Cape Fear Community College

WILMINGTON CAMPUS
411 NORTH FRONT STREET
WILMINGTON, NORTH CAROLINA 28401-3910
(910) 362-7000

NORTH CAMPUS
4500 BLUE CLAY ROAD
CASTLE HAYNE, NORTH CAROLINA 28429-6114
(910) 362-7700

BURGAW CENTER
100 E. INDUSTRIAL DRIVE
BURGAW, NORTH CAROLINA 28425
(910) 362-7900

SURF CITY COMMUNITY CENTER
201 COMMUNITY CENTER DRIVE
SURF CITY, NORTH CAROLINA 28445
(910) 362-7900

Affirmative Action/Equal Opportunity College
www.cfcc.edu

CATALOG
2011-2012

VOLUME XXXXI **MAY 2011**

CAPE FEAR COMMUNITY COLLEGE

NOTE
The catalog and handbook are published for the purpose of providing information about the College and its programs. Announcements contained herein are subject to change without notice and may not be regarded in the nature of binding obligations on the College or the State. Efforts will be made to keep changes to a minim um, but changes in policy by the North Carolina State Legislature, the North Carolina Community College System, or by local conditions may make some alterations in curricula, fees, etc., necessary.

NON-DISCRIMINATION POLICY
Cape Fear Community College, its faculty and staff, and the Board of Trustees are committed to equality of educational opportunity. The College does not discriminate against applicants, students, or employees. Moreover, the College is committed to cultural diversity and actively seeks larger numbers of minorities within the College community. This policy applies to both students and employees at all levels of the Colleges operations.

INSTITUTIONAL ACCREDITATION
"Cape Fear Community College is accredited by the Commission on College of the Southern Association of Colleges and Schools to award associate degrees. Contact the Commission on Colleges at 1866 Southern Lane, Decatur, Georgia 30033-4097 or call (404) 679-4500 for questions about the accreditation of Cape Fear Community College.

Cape Fear Community College (CFCC) provides the above information to enable interested constituents (1) to learn about the accreditation status of CFCC, (2) to file a third-party comment at the time of CFCC's decennial review, or (3) to file a complaint against CFCC for alleged non-compliance with a standard or requirement. The Commission on College's should be contacted only if there is evidence that appears to support Cape Fear Community College's significant non-compliance with a requirement or standard. Otherwise, the Commission on College's website provides membership information and accreditation status of its members at www.sacscoc.org. All other inquiries about Cape Fear Community College should be addressed directly to the college and not to the Commission on College's office."ard.

MEMBER OF
Cape Fear Community College is a member institution of the North Carolina Community College System, the League for Innovation in Community Colleges, and the American Association of Community Colleges.

ACCREDITATIONS AND CERTIFICATIONS OF SELECT PROGRAMS
Associate Degree Nursing: The National League for Nursing Accrediting Commission, Inc. The address and telephone number of the National League for Nursing Accrediting Commission, Inc. is 3343 Peachtree Road NE, Suite 500, Atlanta, Georgia 30326, (404) 975-5000.

Criminal Justice Technology: The North Carolina Criminal Justice Education and Training Standards Commission. The address and telephone number of the North Carolina Criminal Justice Education and Training Standards Commission is NC Criminal Justice Standards Division, NC Department of Justice, 114 West Edenton Street, PO Drawer 149 Raleigh, NC 27602, (910) 716-6470.

Dental Assisting: The Commission on Dental Accreditation of the American Dental Association. The address and telephone number of the Commission on Dental Accreditation of the American Dental Association is 211 East Chicago Avenue, Chicago, IL 60611-2678, (312) 440-4653.

Dental Hygiene: The Commission on Dental Accreditation of the American Dental Association. The address and telephone number of the Commission on Dental Accreditation of the American Dental Association is 211 East Chicago Avenue, Chicago, IL 60611-2678, (312) 440-4653. The dental hygiene program is accredited without reporting requirements.

Medical Sonography: The Medical Sonography Program is accredited by the Commission on Accreditation of Allied Health Education Programs (CAAHEP) in cooperation with the Joint Review Committee on Education in Diagnostic Medical Sonography (JRC-DMS). The address and telephone number of CAAHEP is 1361 Park St. Clearwater, FL 33756, 727-210-2350. The address and telephone number of the JRC-DMS is 2025 Woodlane Dr. St. Paul, MN 55125-2998, 651-731-1582.

Occupational Therapy Assistant: The Accreditation Council for Occupational Therapy Education (ACOTE of the American Occupational Therapy Association (AOTA), located at 5720 Montgomery Lane, PO Box 3220, Bethesda, MD 20824-1220, (301) 652-AOTA.

Pharmacy Technology: The American Society of Health System Pharmacists (ASHP), 7272 Wisconsin Avenue, Bethesda, Maryland, 20814, (301) 657-3000, www.ashp.org.

Phlebotomy: The National Accreditation Agency for Clinical Laboratory Sciences, 8710 W. Bryn Marr Avenue, Suite 670, Chicago, IL 60631-3415, (773) 714-8880.

Practical Nursing: The North Carolina Board of Nursing, PO Box 2129 Raleigh, NC 27602, (919) 782-3211, www.ncbon.org.

Radiography: Joint Review Committee on Education in Radiologic Technology, 20 N. Wacker Drive, Suite 2850, Chicago, IL 60606-3182, (312) 704-5300, www.jrcert.org.

Surgical Technology: Commission on Accreditation of Allied Health Programs (CAAHEP), 1361 Park Street, Clearwater, FL 33756, (727) 210-2350

ADMISSION TO ANY AND ALL EDUCATIONAL PROGRAMS OFFERED BY CAPE FEAR COMMUNITY COLLEGE IS MADE WITHOUT REGARD TO RACE, COLOR, SEX, RELIGION, NATIONAL ORIGIN, PHYSICAL HANDICAP OR OTHER NON-RELEVANT FACTORS.

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Performance Measures and Standards

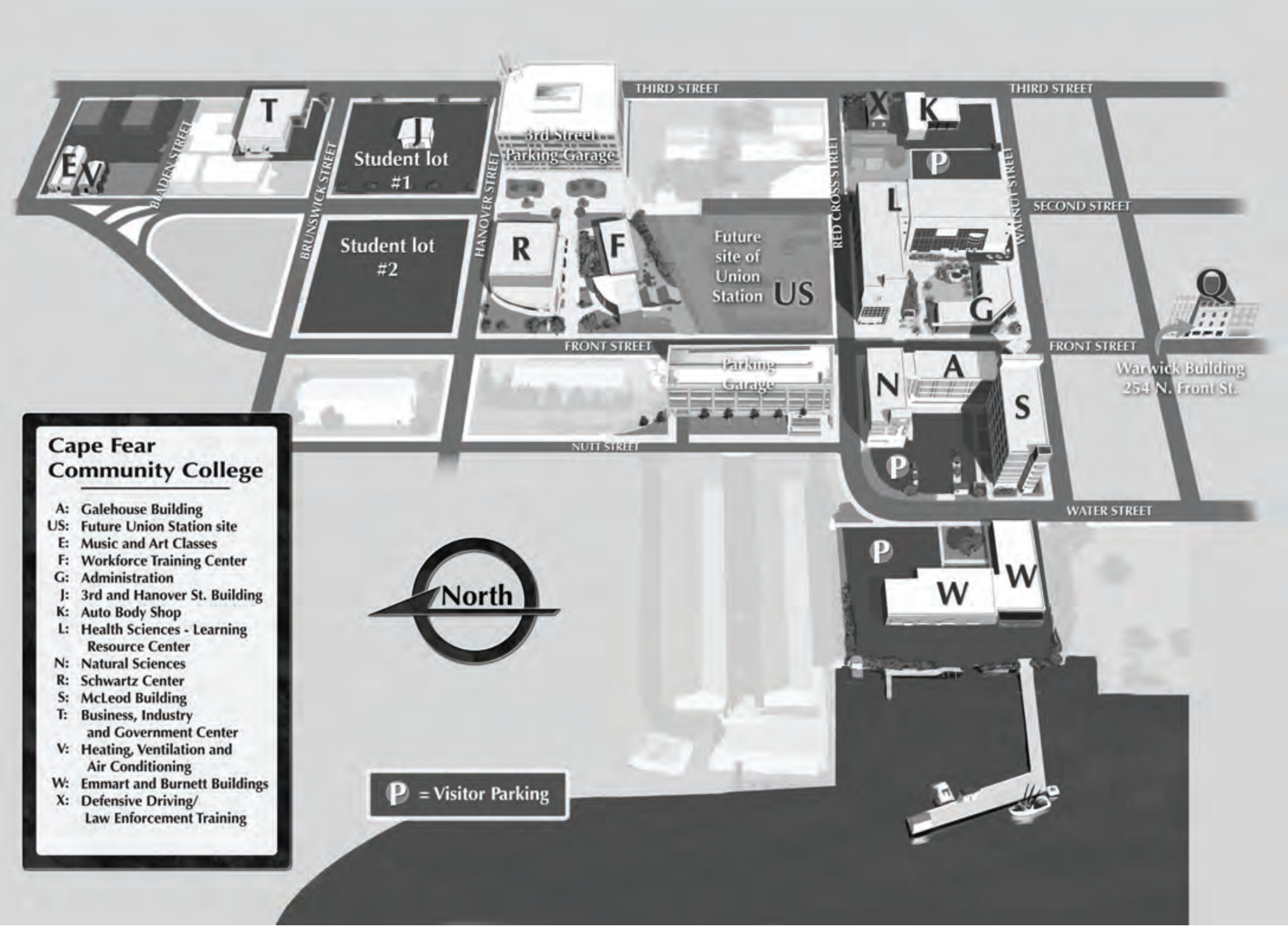
In February 1999, in response to a mandate from the NC General Assembly to review past performance and define standards of performance to ensure the quality and effectiveness of programs and services, the NC State Board of Community Colleges adopted 12 performance measures for all 58 community colleges as the core indicators of student success for public accountability purposes.

In 2007, the NC General Assembly approved modifications to the NC Community College Performance Measures and Standards as recommended by the NC State Board of Community Colleges. The modifications, effective immediately, reduced the number of measures from 12 to 8, but require colleges to meet all standards plus †additional criteria for measures 2 and 3 below to qualify for the Exceptional Institutional Performance funding. CFCC's performance results for 2008-2009 are as follows:

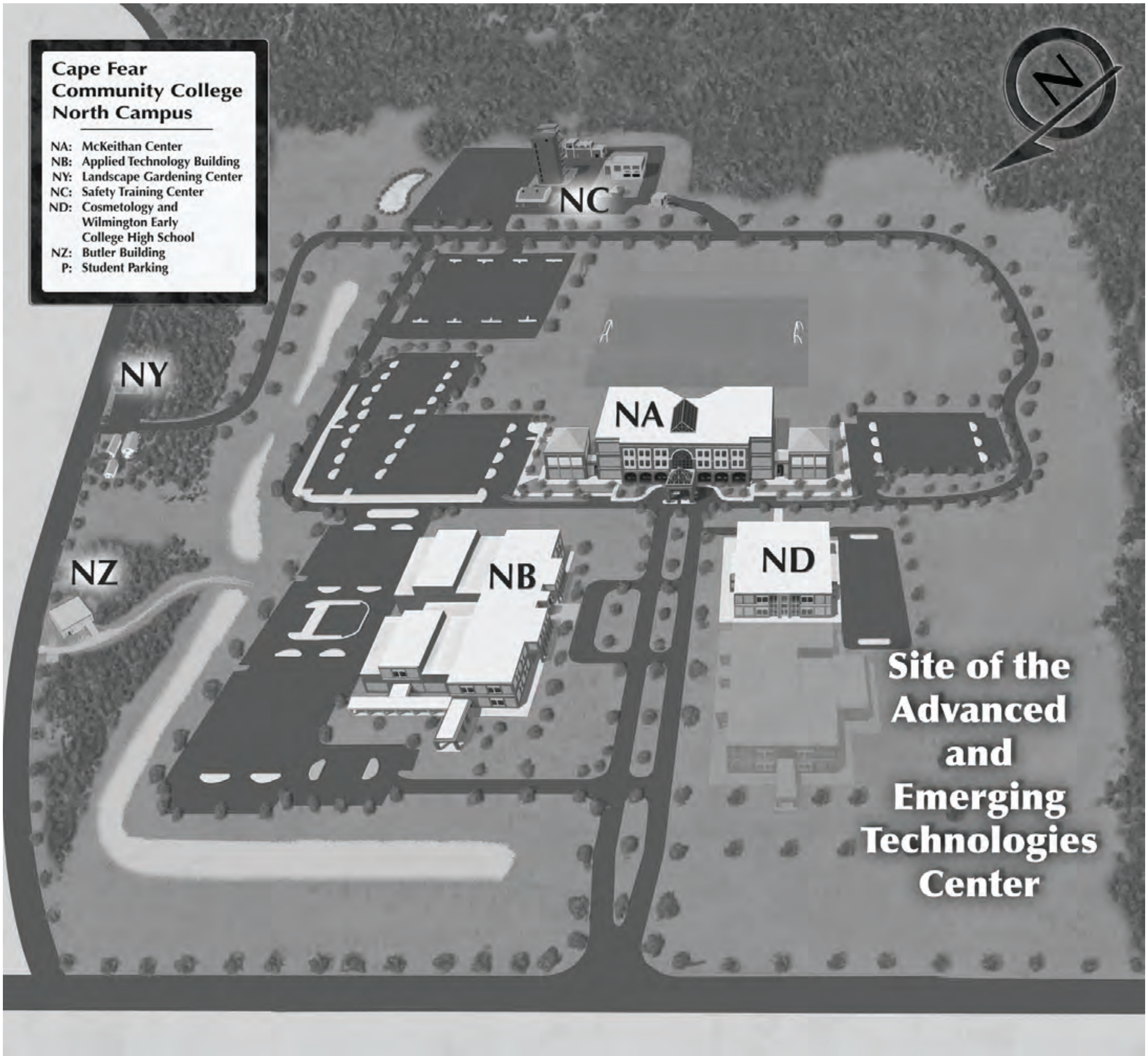
Performance Measure	Standard	CFCC Performance
1. Progress of Basic Skills Students	75% of all adult literacy students are expected to progress within a level, complete a level entered or a predetermined goal, complete the level entered and advance to a higher level.	80% progressed (3,619 literacy students served by CFCC
2. Passing Rates on Licensure and Certification Examinations by First Time Test Takers	80% aggregate institutional passing rate for first-time test takers. †Additional criteria to qualify for the Exceptional Institutional Performance rating—The passing rate on all reported licensure/certification exams for which the colleges have authority over who sits for the exam must meet or exceed 70% for first-time test takers.	1. Aggregate score: 95% 2. Individual scores: Cosmetology-100% (11 tested) Cosmetology Apprentice-100% (27 tested) Manicurist- * Esthetics-* Dental Hygiene-100% (12 tested) Radiography – 93% (27 tested) PN-100% (14 tested) ADN-100% (54 tested) EMT-94% (121 tested) EMT-P-89% (18 tested) EMT-I-* BLET-85% (52 tested) Real Estate Sales-* * = number too small to report without violating privacy laws †CFCC met additional criteria for this measure.
3. Performance of College Transfer Students	83% of associate degree recipients and the students who transferred with 24 or more semester hours from CFCC must have a GPA of 2.0 or better after 2 semesters at a university. †Additional criteria to qualify for the Exceptional Institutional Performance rating—performance of CFCC transfer students must equal or exceed the performance of native UNC sophomores and juniors: standard is 86% for 2008-09	87%-Associate Degree recipients had a 2.0 GPA or higher 78%- Transfers w/o degree but transferring with 24 or more semester hours had a 2.0 GPA or higher 83% of all qualifying transfer students achieved a GPA of 2.0 or better
4. Passing Rates of Students in Developmental Courses	75% of students completing a developmental course in English, reading or mathematics will earn a grade of "C" or better.	80% (of 3,083) combined, English and Math 78% (of 1,311) completed English with a "C" or better 82% (of 1,772) completed math with a "C" or better
5. Success Rates of Developmental Students in Subsequent College-Level Courses	80% of students who completed a developmental course in 2007-08 and completed subsequent college level course in 2008-09 will have a passing grade for the college level course.	81% (891) combined, English and Math 79% (of 525) completed in subsequent college-level English courses 83% (of 366) completed in subsequent college-level math
6. Satisfaction of Program Completers and Non-Completers	90% of the combined respondents will report to be satisfied with the quality of CFCC's programs and services	98% satisfied
7. Curriculum Student Retention, Graduation and Transfer	65% of fall cohort will complete a curriculum program, still be enrolled, or transfer to another college by the following fall.	75% graduated, still enrolled or transferred
8. Business/Industry Satisfaction with Customized Training	90% of businesses/industries surveyed will report satisfaction with CFCC services.	93% satisfied

For more detailed information about the Performance Measures and Standards, visit the Cape Fear Community College's Institutional Effectiveness web page at http://www.cfcc.edu/ie/measures.htm.

Wilmington Campus Map


THIRD STREET
THIRD STREET
SECOND STREET
FRONT STREET
FRONT STREET
NUTT STREET
WATER STREET
BLADEN STREET
BRUNSWICK STREET
HANOVER STREET
RED CROSS STREET
WALNUT STREET
T
J
E
V
Student lot #1
Student lot #2
3rd Street Parking Garage
R
F
Future site of Union Station
US
X
K
P
L
I
G
Q
Warwick Building 254 N. Front St.
Parking Garage
N
A
S
P
P
W
W
North
Cape Fear Community College
A: Galehouse Building
US: Future Union Station site
E: Music and Art Classes
F: Workforce Training Center
G: Administration
J: 3rd and Hanover St. Building
K: Auto Body Shop
L: Health Sciences - Learning Resource Center
N: Natural Sciences
R: Schwartz Center
S: McLeod Building
T: Business, Industry and Government Center
V: Heating, Ventilation and Air Conditioning
W: Emmart and Burnett Buildings
X: Defensive Driving/ Law Enforcement Training
P = Visitor Parking

North Campus Map


Cape Fear
Community College
North Campus
NA: McKeithan Center
NB: Applied Technology Building
NY: Landscape Gardening Center
NC: Safety Training Center
ND: Cosmetology and Wilmington Early College High School
NZ: Butler Building
P: Student Parking
N
NC
NY
NA
NZ
NB
ND
Site of the Advanced and Emerging Technologies Center

President's Welcome

Thank you for considering Cape Fear Community College as you make decisions about education and training—decisions that are critical to your future. The entire College family—fellow students, faculty and staff, trustees, and CFCC friends and supporters—joins me in inviting your review of this catalog. Then call and arrange to visit the campus. It would be our pleasure to show you around and to answer any questions.

CFCC offers small classes, personable college staff, and lots of individual assistance for students throughout the course of their studies. This support system—in combination with your dedicated efforts—is a winning formula.

Your future begins now—welcome to Cape Fear Community College!

Eric B. McKeithan

Eric B. McKeithan
President, Cape Fear Community College

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President, Student Government Association CFCC

Mission Statement
for the North Carolina Community College System

The mission of the North Carolina Community College System is to open the door to high-quality, accessible educational opportunities that minimize barriers to post-secondary education, maximize student success, and improve the lives and well-being of individuals by providing:

- Education, training and retraining for the workforce, including basic skills and literacy education, occupational and pre-baccalaureate programs.

- Support for economic development through services to and in partnership with business and industry.

- Services to communities and individuals, which improve the quality of life.

Adopted by the State Board of Community Colleges, October 1993; revised March 1994, April 1994; reaffirmed January 1998; affirmed October 21, 1999 by System Planning Council.

Mission Statement
for Cape Fear Community College

Cape Fear Community College is an open door, multi-campus, comprehensive community college that strengthens the academic, economic, social and cultural life of the citizens of New Hanover and Pender counties.

As a member of the North Carolina Community College System, Cape Fear Community College fully supports the system mission and fulfills its purposes by:

- Focusing on vocational, technical, pre-baccalaureate, literacy education, and continuing education programs and services;
- Recruiting, enrolling, advising and retaining a diverse student body;
- Recruiting, retaining and developing a highly qualified and diverse faculty and staff who are dedicated to quality education and service to the College and the community;
- Evaluating existing programs and implementing new curricula and instructional strategies to serve the changing needs of the service area;
- Providing support services that help students succeed;
- Enhancing student life through clubs, cultural activities, leadership opportunities, and athletics; and
- Interacting and cooperating with others to encourage, promote and facilitate economic and community development.

Approved by the CFCC Board of Trustees, March 23, 1995; revised January 18, 1996; revised November 19, 2003; reaffirmed January 26, 2006; reaffirmed September 10, 2010.

Cape Fear Community College
Vision Statement

"Cape Fear Community College: Building a future-oriented world-class workforce and a community of lifelong learners in partnership with regional businesses and agencies. Imagine the possibilities!"

Approved by the CFCC Board of Trustees, March 26, 1998.

The College

Cape Fear Community College is a comprehensive community college that offers education and training services through numerous (1) **TECHNICAL/VOCATIONAL CURRICULA** in such broad areas as health care, business, engineering technologies, computer sciences, architecture/construction/interior design, law enforcement and numerous other fields, (2) **COLLEGE TRANSFER/UNIVERSITY PARALLEL** studies in the freshman and sophomore years of baccalaureate programs, and (3) a host of **CONTINUING EDUCATION** programs that can be broadly clustered into such categories as Basic Skills (including Adult High School and GED, among other programs), Occupational Extension (custom-designed training related directly to the in-service training needs of various professions), and Community Services/Self-Supporting classes that may include a wide range of avocational interests.

The core of the College's mission is world-class workforce development.

CFCC is one of fifty-eight institutions comprising the North Carolina Community College System. The North Carolina Community College System and its constituent institutions operate in accord with legislation enacted by the North Carolina General Assembly and as contained in Chapter 115D of the North Carolina General Statutes. Governance of Cape Fear Community College is further defined by policies, rules, and procedures as promulgated in accord with state and federal laws by the North Carolina State Board of Community Colleges, the Cape Fear Community College Board of Trustees, and College officials.

Cape Fear Community College's official service area includes New Hanover and Pender counties. CFCC's Wilmington campus is located in downtown Wilmington and the North Campus is located in Castle Hayne. CFCC offers classes at the Burgaw Center and at the Surf City Community Center in Pender County. Several CFCC technical and vocational programs are unique to southeastern North Carolina and to the state as a whole, and the College therefore serves as a regional provider of workforce training. The number of different students annually enrolling at the College typically exceeds 27,000.

Calendar 2011-2012

FALL 2011

New Student Orientation	August 9, 2011
Final Registration 8:00 am-7:00 pm	August 10, 2011
Fall In-Service	August 11, 2011
Final Adjustment Day 8:00 am-6:00 pm, Drop/Add, Concurrent Enrollment	August 12, 2011
Classes Begin	August 15, 2011
Last day for tuition refund (75%)	August 24, 2011
Labor Day - College Closed	Sept 5, 2011
Grade of “W” begins All Classes (Instructor Signature Required)	August 25, 2011-Sept 16, 2011
Grade of “WP/WF” begins (Instructor signature required)	Sept 19, 2011-Nov 14, 2011
Fall Break (No classes - Faculty/students)	October 7-8, 2011
Advisement Period for Spring 2012 (currently enrolled students only)	October 24-Nov 7, 2011
WEB Registration for Spring 2012 (currently enrolled students only)	October 24-Dec 8, 2011
No Course Withdrawal Permitted	Nov 15-Dec 9, 2011
Last Day to file an “Intent to Graduate” for Fall	Nov 11, 2011
Thanksgiving Break-No Classes	Nov 23-26, 2011
Thanksgiving Holiday-College Closed	Nov 24-26, 2011
Classes Resume	Nov 28, 2011
Last day of Class	December 9, 2011
Holiday-College Closed	Dec 26-January 2, 2011

Refund of Tuition
100% through August 12
75% through August 24
None thereafter

Fall 2011

First Mini Session (August 15 - October 11)

Registration	August 10, 2011
Classes Begin	August 15, 2011
Last day to request 75% refund	August 18, 2011
Grade of “W” begins (Instructor Signature Required)	August 19-August 30, 2011
Labor Day - College Closed	Sept 5, 2011
Grade of “WP/WF” begins (Instructor Signature Required)	August 31-Sept 28, 2011
No course withdrawal	Sept 29-October 11, 2011
Last day of Class	October 11, 2011
Last day to file Intent to Graduate for Fall	Nov 11, 2011

Refund of Tuition
100% through August 12
75% through August 18
None thereafter

Fall 2011

Second Mini Session (October 12 - Dec 9)

Registration	August 10, 2011
Classes Begin	October 12, 2011
Last day to request 75% refund	October 17, 2011
Last day to file Intent to Graduate for Fall	Nov 11, 2011
Grade of “W” begins (Instructor Signature Required)	October 18-October 27, 2011
Grade of “WP/WF” begins (Instructor Signature Required)	October 28-Nov 30, 2011
Thanksgiving Break	Nov 23-26, 2011
No course withdrawal	Dec 1-Dec 9, 2011
Last day of Class	Dec 9, 2011

Refund of Tuition
100% through October 11
75% through October 17
None thereafter

Spring 2012

Registration 8:00 am-7:00 pm, Concurrent Registration	January 3, 2012
Final Schedule Adjustment Day, Concurrent Registration, Spring In-Service	January 4, 2012
Classes Begin	January 5, 2012
Last day for tuition refund (75%)	January 17, 2012
Martin Luther King Holiday-College Closed	January 16, 2012
Grade of “W” begins (Instructor Signature Required)	January 18-February 8, 2012
Grade of “WP/WF” begins (Instructor signature required)	February 9-April 2, 2012
Last Day to file an “Intent to Graduate” for Spring	March 19, 2012
Spring Break (No classes-Faculty/students)	March 12-March 17, 2012
Classes Resume	March 19, 2012
Easter Holiday-College Closed	April 6, 2012
Azalea Festival-College Closed	April 14, 2012
Advisement Period for Summer/Fall 2012 (currently enrolled students only)	April 9-April 27, 2012
WEB Registration for Summer/Fall 2012 (currently enrolled students only)	April 9-May 15, 2012
No Course Withdrawal Permitted	April 13-May 4, 2012
Classes End	May 4, 2012
Commencement	May 5, 2012

Refund of Tuition
100% through January 4
75% through January 17
None thereafter

Spring 2012

First Spring Mini Session 2012 (January 5-March 1, 2012)

Final Registration Day, Schedule Adjustments	January 4, 2012
Classes Begin	January 5, 2012
Last Day for Tuition Refund (75%)	January 10, 2012
Grade of “W” begins (Instructor signature required)	January 11-January 23, 2012
Martin Luther King Holiday- College Closed	January 16, 2012
Grade of “WP/WF” begins (Instructor signature required)	January 24-February 20, 2012
No Course Withdrawal	February 21-March 1, 2012
Classes End	March 1, 2012
Commencement	May 5, 2012

Refund of Tuition
100% through January 4
75% through January 10
None thereafter

Spring 2012

Second Spring Mini Session 2011 (March 2 – May 4, 2012)

Final Registration Day, Schedule Adjustments	March 1, 2012
Classes Begin	March 2, 2012
Last Day for Tuition Refund (75%)	March 7, 2012
Grade of “W” begins (Instructor signature required)	March 8-March 26, 2012
Grade of “WP/WF” begins (Instructor signature required)	March 27-April 25, 2012
No Course Withdrawal	April 26-May 4, 2012
Classes End	May 4, 2012
Commencement	May 5, 2012

Refund of Tuition
100% through March 1
75% through March 7
None thereafter

Summer 2012

10 week session (May 16 – July 26)

Final Registration Day, Schedule Adjustments Concurrent registration	May 15, 2012
Classes Begin	May 16, 2012
Last Day for Tuition Refund (75%)	May 22, 2012
Memorial Day-College Closed	May 28, 2012
Grade of “W” begins (Instructor signature required)	May 23-June 6, 2012
Grade of “WP/WF” begins (Instructor signature required)	June 7-July 12, 2012
Last day to file an “Intent to Graduate” for Summer	June 25, 2012
July 4th Holiday-College Closed	July 4, 2012
No Course Withdrawal	July 13-July 26, 2012
Classes End	July 26, 2012
Commencement	July 27, 2012

Refund of Tuition
100% through May 15
75% through May 22
None thereafter

Summer 2012

1ST SUMMER MINI SESSION 2012 (May 16-June 20)

Final Registration Day, Schedule Adjustments Concurrent Registration	May 15, 2012
Classes Begin	May 16, 2012
Last Day for Tuition Refund (75%)	May 18, 2012
Grade of “W” begins (Instructor signature required)	May 21-May 25, 2012
Memorial Day-College Closed	May 28, 2012
Grade of “WP/WF” begins (Instructor signature required)	May 29-June 13, 2012
Last day to file an “Intent to Graduate” for Summer	June 25, 2012
No Course Withdrawal	June 14-June 20, 2012
Classes End	June 20, 2012
Commencement	July 27, 2012

Refund of Tuition
100% through May 15
75% through May 18
None thereafter

Summer 2012

2nd SUMMER MINI SESSION 2012 (June 21-July 26)

Final Registration Day – Schedule Adjustments Concurrent registration	May 15, 2012
Classes Begin	June 21, 2012
Last Day for Tuition Refund (75%)	June 25, 2012
Grade of “W” begins (Instructor signature required)	June 26-July 2, 2012
4th of July Holiday – College Closed	July 4, 2012
Grade of “WP/WF” begins (Instructor signature required)	July 3-July 20, 2012
No Course Withdrawal	July 23-July 26, 2012
Classes End	July 26, 2012
Commencement	July 27, 2012

Refund of Tuition
100% through June 20
75% through June 25
None thereafter

Admissions

CFCC operates under an "open door" policy. This means that the College offers instruction to all adults. So if you are 18 years of age or older, or if you have a high school diploma or equivalent, and can benefit from courses and programs offered by our College, WE WELCOME YOU. While CFCC advises all students to seek a high school of diploma or equivalent, admission to certain certificate programs may be granted without prior completion of a diploma or GED. In addition, admission to the college does not mean that students will be admitted immediately to a program with specified admissions requirements.

Admission to degree, diploma, and certain certificate programs has additional requirements including high school graduation, official transcripts, placement testing, and medical examinations. Contact the Admissions Office for specific program requirements.

The College reserves the right to refuse admission or readmission to any applicant during any period of time that the student is suspended or expelled from any other educational entity. *North Carolina Administrative Code 23 NCAC 2C.0301(c).*

Admission as a Non-Degree Seeking Student Special Credit

Students who are 18 years of age or older or have a high school diploma or equivalent but do not wish to enter degree or diploma programs may enter CFCC as "Special Credit" students. Students admitted as Special Credit students may carry only a part-time course load and must have their registration card approved by a counselor. Special Credit students must satisfy course requirements with placement testing or official post-secondary transcripts. Official post-secondary transcripts are required; faxed transcripts are not acceptable. Admission as a Special Credit student does not constitute admission to any curriculum program. Special Credit students may register part-time (no more than eleven (11) credit hours) in any given semester and no more than eight (8) credit hours during the Summer Session. Special Credit students may accumulate a total of eighteen (18) credit hours before being required to meet all admission requirements. Special Credit students are not eligible to receive financial aid or Veteran's benefits.

Selective Admission/Health Science Programs

Students applying for admission to health science programs must meet general college admission requirements as well as specific program requirements. Each of the selective admission programs requires that applicants be a high school graduate or have a GED, meet the minimum placement test scores required for the specific curriculum program and complete the program application process by the deadline established for that particular program. Prior college course completion with a grade of "C" or better in English and math could eliminate the placement test requirement. Students will need to consult with counselors.

Certain CFCC academic programs have additional entrance requirements beyond general admissions to the College. Selective admission programs at the College include: Associate Degree Nursing, Dental Assisting, Dental Hygiene, Nursing Transition, Occupational Therapy Assistant, Pharmacy Technology, Phlebotomy, Practical Nursing, Radiography, Sonography, and Surgical Technology.

Students may visit the Counseling Office for specific program requirements and applications or visit our website at http://www.cfcc.edu/healthsciences.

Admission of Transfer Students

1. Transfer students must complete CFCC's admission requirements (see General Admission Process).

2. Only courses with a grade of "C" or better can be transferred from other institutions to CFCC.

  a. CFCC will accept all courses completed with a grade of "C" or above from other North Carolina Community Colleges that apply to the student's program of study.

  b. Credits are transferable from regionally accredited two and four year institutions within the United States. Courses are transferred that compare in content, quality and credit hours to those offered at CFCC.

  c. Transcripts of course work completed at a college or university located outside of the United States must be accompanied by (1) a certified English translation and course evaluation (2) course descriptions if transfer credit is needed. Contact the Director of Enrollment Management for acceptable translation and evaluation agencies.

3. Some courses that depend heavily on technology, speed and accuracy, physical skills, and/or language skills will be subject to review after five years unless the student has been continuously enrolled. Courses subject to review may include, but not limited to, keyboarding, computer, foreign languages, developmental, and trades courses.

4. Credits transferred from other institutions will be noted on the student's CFCC transcript. Grades achieved at other institutions will not be used in the grade point average computation at CFCC.

5. Credit gained through advanced placement testing will require official transcripts from the testing agency.

6. Experiential learning or proficiency testing will not be transferred directly as course work to CFCC.

7. Students should submit official copies of all transcripts two weeks prior to registration so that evaluation of transfer credit can be completed. Transfer credit for those transcripts received during the registration process will be completed by the end of the first academic session of enrollment. Faxed transcripts are not acceptable.

8. To receive a degree, diploma or certificate from CFCC, transfer students must complete at least 25 percent of program requirements at CFCC.

Re-Admission of Curriculum Students

Students (including CFCC graduates) returning to CFCC who have not been enrolled for a minimum of 3 years must submit a new Admissions Application. Students must also meet the admissions requirements for the current program of study including evaluation of all coursework earned at CFCC and other institutions.

Some courses that depend heavily on technology, speed and accuracy, physical skills, and language skills will be subject to review after five years unless the student has been continuously enrolled. Courses subject to review may include, but not limited to, keyboarding, computer, foreign languages, developmental, and trades courses.

Admission of Transient Students

Transient students are those who are admitted and enrolled in another college or university and wish to enroll in CFCC as a full-time student for one academic session.

Transient students must:

1. Submit a completed CFCC Admission Application.

2. Submit written permission from their home institution to enroll in CFCC.

3. Provide verification of completion of applicable prerequisites prior to enrolling in CFCC courses.

Provisional Admission

Provisional admittance is granted during Final Schedule Adjustment Day only. Students whose official high school transcripts have not been received by the Admissions and Records Office at the time of registration may be admitted provisionally. All admissions requirements must be met within thirty (30) calendar days from the first day of the academic session. Those students who do not meet admissions requirements within thirty (30) calendar days may be dropped from courses, and financial aid benefits may also be jeopardized. Students will not be allowed to register for upcoming semesters until all admission requirements are met. Students must take the placement test prior to registration to meet course prerequisites.

NOTE: Official post-secondary transcripts are required; faxed transcripts are not acceptable.

NEW YORK STATE SUMMER SCHOOL OF THE ARTS
NYSSSA

Special Credit - Lifelong Learners

Students who have no desire or intention to work toward a degree, diploma, or certificate and wish to take classes for personal development, enrichment, or simply for the joy of learning may enroll as a Lifelong Learner. To be admitted as a Lifelong Learner, the student need only submit a completed college application for admission. Students admitted as Lifelong Learners may carry only a part-time course load and must have their registration approved by a counselor. Lifelong Learners must meet and verify course prerequisites including placement testing. Official post-secondary transcripts are required; faxed transcripts are not acceptable. Admission as a Lifelong Learner does not constitute admission to any curriculum program. A Lifelong Learner who wishes to be reclassified as a regular student must complete admission requirements as outlined in the General Admissions Process in this catalog. Lifelong Learners are not eligible to receive financial aid or Veteran's benefits.

High School Students Enrolling in CFCC Classes-Gateway Program

The Gateway Program offers high school students the opportunity to enroll in college classes in order to earn both high school and college credit upon successful completion of CFCC courses.

Concurrent Enrollment, Huskins, and Learn and Earn Online: Huskins classes are approved CFCC courses offered primarily to high school students. These classes may be offered at a high school or on a CFCC campus and are open to qualifying high school students who are at least a junior in high school or 16 years old. Concurrent enrollment allows high school students the opportunity to enroll in approved college courses offered in CFCC's regular course schedule. This program is open to qualifying high school students who are at least 16 years old. Learn and Earn Online courses are approved online courses that may be offered to qualifying North Carolina high school students (grades 9-12).

Approved Courses: Concurrent Enrollment, Huskins, and Learn and Earn Online students are eligible to enroll in the following types of courses: courses numbered 100 or higher; vocational and technical major courses; and college transfer courses classified as a science, math, or technology course, including the following subjects: biology, chemistry, computer information, computer science, criminal justice, geology, math, and physics.

Admission Guidelines: The public, private, or home school administrator must initiate enrollment action for any high school student wishing to enroll in this program. Each semester, the high school administrator must approve a student's enrollment by certifying that the student is making satisfactory progress toward graduation and is enrolled at least half-time in high school courses.

A high school student who wishes to enroll in a CFCC course must demonstrate the academic skills and maturity level necessary to perform at the college level. Students must meet the same prerequisite, corequisite, and course admission requirements as adult degree-seeking students. Students are required to meet established minimum requirements on the placement test (Accuplacer or ASSET). Placement testing may be waived upon receipt of official SAT or ACT transcripts that demonstrate established cutoff scores. Students who are accepted to this program must follow all CFCC rules and policies as outlined in this handbook.

Registration Process: Huskins and concurrent enrollment students may enroll in CFCC classes on a space-available basis. Huskins enrolling in classes that meet on a high school campus will register during the first class meeting. Concurrent enrollment and Huskins students enrolling in classes that meet at CFCC register on Final Schedule Adjustment day. See the CFCC Academic Calendar for the schedule adjustment days for each semester.

Program Costs: The State of North Carolina establishes tuition rates and charges for high school students enrolling in community college classes. Students should speak to their high school counselor and see the Gateway Web site (http://www.cfcc.edu/gateway) for more information. Students may be responsible for technology, student activity, and parking/security fees as well as applicable insurance fees. Students are responsible for purchasing required course supplies and textbooks.

Early College High School

CFCC partners with New Hanover County Schools and Pender County Schools to host two early college high schools. Pender Early College High School (PECHS) and Wilmington Early College High School (WECHS) are high schools located on the campuses of CFCC that provide select high school students the opportunity to earn a high school diploma and up to two years of college credit or an associate's degree within four to five years. Both early colleges enroll rising ninth-graders each year. Students must have the desire to attend a smaller school with high expectations for academics and behavior.

For more information on college courses available to qualifying high school students, refer to the "Educational Partnerships" section of this catalog and visit the Gateway Program Website at http://www.cfcc.edu/gateway.

Admission of Out-of-State Students

Out-of-state students are admitted under the same admissions requirements as residents of North Carolina. Residency classification for out-of-state students will be determined at the time of admissions according to the laws of the State of North Carolina. General Statute 116-143.1 specifically states that to qualify as a resident for tuition purposes, a person must have established legal residence (domicile) in North Carolina and maintained that legal residence for at least 12 months immediately prior to his or her classification as a resident for tuition purposes. Furthermore, a person must establish that his or her presence in the state currently is, and during the requisite 12-month qualifying period was, for purposes of maintaining a bona fide domicile rather than of maintaining a mere temporary residence or abode incident to enrollment in an institution of higher education. Consequently, the fact that a person has resided in the state for 12 months does not in itself constitute in-state residency. Special rules and circumstances may affect the assessment of domicile for minors, married persons, active members of the armed forces and their dependents, aliens, federal personnel and prisoners. Exceptions are also made for families transferred by business within the past 12 months (up to 1% of total out-of-state students), students with employer-paid tuition, lawfully admitted public high school graduates, non-profit corporation sponsorships, teacher certifications, emergency workers and persons 65 years or older.

Applicants wishing additional information about the laws of North Carolina governing residency classification for students should contact the Director of Enrollment Management's office where copies of the law are maintained or log on to www.ncleg.net for NC General Statutes.

It is the student's responsibility to provide the College with the necessary information to prove in-state status. If a student wishes to apply for a change of status consideration, he/she must submit a Resident and Tuition Status Application (available in the Student Development Offices and the College's website) to the Director of Enrollment Management. Applications must be submitted within the first ten (10) days of the semester in which the student is requesting the in-state status. Legal documentation supporting a student's claim for in-state status must be attached at the time the application is submitted. Examples include NC State tax return, voter registration, vehicle registration, personal property taxes, driver's license/State I.D. etc. If the student chooses to appeal the classification assigned by the Director of Enrollment Management, he/she must file a written appeal to the Director of Enrollment Management within ten (10) days following the director's notification of residency status (electronic submissions are not acceptable). The appeal will then be forwarded to the Residency Status Subcommittee of the Judicial Board of CFCC who will review the appeal and make a determination to either uphold or reverse the applicant's residency classification. Should the student choose to appeal the determination of the Appeals' Committee, he/she may appeal to the State level by filing a written appeal to the Director of Enrollment Management within ten (10) days following the Appeals Committee's decision (electronic submissions are not acceptable). This appeal must include a statement of intent and grounds for appeal. The decision of the State Appeals' Committee is final.

Admission of International Students

Cape Fear Community College does not issue the necessary documents to obtain the F, J, or M student visas. Other visas may be acceptable for admission. Contact the Director of Enrollment Management for further information.

General Admissions Process

New students should complete all admission requirements at least two weeks prior to registration.

1. **APPLICATION** An application for admission must be submitted prior to placement testing and registration. Applications may be submitted online at www.cfcc.edu. Valid email addresses are required for electronic applications.

2. OFFICIAL HIGH SCHOOL OR GENERAL EDUCATIONAL DEVELOPMENT (GED) TRANSCRIPT
An official high school or GED transcript from an accredited institution recognized by the Department of Education which indicates the date of graduation must be submitted to CFCC. Official transcripts are those received either by mail or by hand-delivery to CFCC in the original, sealed envelope from the awarding institution or agency. Home schooled students must submit a copy of the home school's approved registration from the state in which they are registered.

3. OFFICIAL COLLEGE TRANSCRIPT(S) Official college transcripts from all accredited institutions of higher education previously attended must be submitted to CFCC.

4. PLACEMENT TESTING All applicants to degree, diploma and certain certificate programs are required to have valid placement test scores on file prior to acceptance at CFCC. (There is no charge for the placement assessment). All or parts of the placement assessment requirement may be waived upon receipt of official transcripts if the applicant:

- has satisfactorily completed college level English and/or Mathematics course above the developmental level.
- has made the following minimum scores within the last five years on the Scholastic Aptitude Test(SAT): Verbal/Writing/Critical Reading-470; Math-500; ACT Verbal-19; Math-20 and has submitted official SAT or ACT transcripts to the Admissions Office.
- has achieved CFCC's cut-off scores for desired curriculum program by submitting official ASSET, COMPASS or Accuplacer scores taken within the last five years.
- has earned developmental course credit, with a "C" or better, at a school in the North Carolina Community College System. Students will need to consult with counselors. Students and prospective students may take the placement test twice (2 times) in twelve (12) consecutive months (one initial test and one retest).

5. MEDICAL EXAMINATIONS A medical history is required for specific program admission or completion. Students are notified of this requirement as applicable to their programs of study. Selected programs within the college may require drug screening prior to final acceptance into the program. Contact Counseling for further information.

Services To Students

Where to Go for What

Absences	Instructor
Academic Advising	Assigned Faculty Advisor
Academic Honors	Catalog/Registrar
Academic Probation	Catalog/Counselors
Admissions	Student Development
Address Change	Student Development
Advanced Placement	Counseling
Attendance	Instructor
Books/Supplies	Campus Bookstore
Bulletin Boards	Student Development
CFCC online Portal/WebAdvisor	Student Help Desk
Career Counseling	Career and Testing
Change Program/Major	Counseling
Clubs and Organizations	Student Activities
Course Selection	Advisor/Counselor
Drop a Course	Instructor/Student Development
Emergencies	Student Development
Fees	Business Office
Financial Aid	Financial Aid Office
First Aid	Labs/Student Development
General Interest Courses	Continuing Education
Grading System	Catalog/ Registrar
Insurance	Business Office
Job Placement	Career and Testing
Lost & Found	Switchboard Operator
Parking Permits/Regulations	Business Office
Personal Counseling	Counseling
Registration	Student Development
Student I.D. Card	Library
Testing	Career and Testing
Transcripts	Student Development
Transfer Counseling	Advisors/Counseling
Tutoring	Learning Lab
Veterans	Financial Aid/Veteran's Center
Withdrawal from a Course	Registrar

Campus Visits

Cape Fear Community College encourages prospective students and parents to visit the campus and tour our facilities. Guided tours may be scheduled Monday through Friday when classes are in session by contacting the office of the Director of Enrollment Management. Appointments are necessary to ensure that appropriate staff will be available to answer questions. Information pertaining to academic programs, student services, and the admissions/registration processes will be presented during the tour. Tour dates and times are available on the College's website at www.cfcc.edu.

Orientation

The Student Development Department offers orientation programs prior to the start of the Spring and Fall semesters to acquaint new students to the College, its facilities, resources, services, activities, organizations and policies. Students accepted to the College will be invited to attend orientation. An online orientation program is also available on the College's website at www.cfcc.edu for distance learners and summer sessions. All new students are encouraged to take advantage of these programs to maximize their opportunities at CFCC

myCFCC

myCFCC is a web-based portal that links all aspects of campus life to create a community environment. It provides services such as e-mail, campus announcements, message boards, calendars, and discussion groups. Accounts are created upon acceptance to the College. Students are encouraged to check myCFCC on a regular basis to receive important college information. A link to myCFCC is on the College's website at www.cfcc.edu.

WebAdvisor

WebAdvisor is another web-based portal that gives students access to class schedules, on-line registration, grades, address changes, and graduation progress. A link to WebAdvisor is on the College's website at www.cfcc.edu

Counseling

Confidential academic, personal, and career counseling services are provided on an ongoing basis to all students. The counseling staff is available Monday through Friday on both campuses. Please refer to our website for specific hours based on campus location. Summer hours may vary. Students are seen on a walk-in basis or appointments may be made by calling (910) 362-7017 (Downtown Campus) or (910) 362-7523 (North Campus).

The professional counseling staff is experienced in assisting students in developing skills and attitudes needed to deal effectively with their academic environment.

Students who are uncertain in selecting their major course of study or who are experiencing academic difficulty are encouraged to seek the assistance of a counselor. Students with personal concerns that may interfere with their academic success are also urged to seek guidance from the counseling staff.

When appropriate, the counseling staff may make (with the student's permission) referrals to community resources/agencies.

Disability Support Services

Cape Fear Community College and all employees shall operate programs, activities, and services to ensure that no otherwise qualified individuals with disabilities shall be excluded from participating in, be denied the benefit of, or be subjected to discrimination under any such program, activity, or service solely by reason of their disabilities. Disability Support Services provides numerous services that assist students in reaching their academic goals. Assistance may include services such as registration assistance, academic counseling, student advocacy, interpreters for the deaf or hard-of-hearing, academic aides, assistive technology and other reasonable accommodations. To be eligible for Disability Support Services, students must provide professional medical, psychological, and/or educational documentation of their disabilities, including associated functional limitations, to the Disability Support Services' staff. If classroom adaptations, interpreters, or academic aides are necessary to participate in class, advanced notice of 4 weeks is required to coordinate such services.

Placement Test Advising Guide

Applicants entering vocational/technical and college transfer courses must begin their English sequence with the course corresponding to their score levels on the following placement tests. When using placement scores for English, you must look at both Writing and Reading scores and use whichever is lower — Writing or Reading — for initial placement. For Mathematics, you must be proficient in Arithmetic/Numerical Skills before placement into any higher level math course.

WRITING PLACEMENT GUIDE

Testing not required with SAT Verbal/Writing 470, ACT English 19, or ENG 111 or equivalent with "C" or better.

Score Ranges			**Placement**
Accuplacer (CPT)	**ASSET**	**COMPASS**	
20-35	23-28	0-15	English Foundations (Adult Basic Education)
36-40	29-34	16-19	ENG 075: Reading & Language Essentials
41-65	35-38	20-37	ENG 085: Reading & Writing Foundations
66-85	39-40	38-69	ENG 095: Reading & Comp. Strategies
86-120	41-55	70-100	Proficient in Writing Skills. Can take ENG 111 if proficient in Reading Skills.

READING PLACEMENT GUIDE

Testing not required with SAT Verbal/Critical Reading 470, ACT Reading 19, ENG 111 or equivalent with "C" or better.

Score Ranges			**Placement**
Accuplacer CPT	**ASSET**	**COMPASS**	
20-33	23-27	0-13	English Foundations (Adult Basic Education)
34-38	28-34	14-41	ENG 075: Reading & Language Essentials
39-56	35-38	42-60	ENG 085: Reading & Writing Foundations
57-79	39-40	61-80	ENG 095: Reading & Comp. Strategies
80-120	41-55	81-100	Proficient in Reading Skills. Can take ENG 111 if proficient in Writing Skills.

MATHEMATICS PLACEMENT GUIDE

Testing not required with SAT Math 500, ACT Math 20 or credit for the appropriate college math required for your major.

ARITHMETIC/NUMERICAL SKILLS

You must be proficient in Arithmetic/Numerical Skills before placement into any higher level math course.

Score Ranges			**Placement**
Accuplacer CPT Arith.	**ASSET Num. Skills**	**COMPASS Pre-Algebra**	
20-28	23-26	01-08	Math Foundations (Adult Basic Education)
29-54	27-40	09-46	MAT 060: Essential Mathematics (Required for any higher level math.)
55-120	41-55	47-100	Proficient in Arithmetic/Numerical Skills. Can take MAT 101 or higher.

ALGEBRA

Score Ranges			**Placement**
Elem. Alg.	**Elem. Alg.**	**Algebra**	
20-54	23-40	0-45	MAT 070: Introductory Algebra
55-74	41-55	46-65	MAT 080: Intermediate Algebra or MAT 115, 120, 121, 140; CHM 131

Elem. Alg.	**Interm. Alg.**	**Algebra**	
20-54	23-29	0-45	MAT 070: Introductory Algebra
55-74	30-40	46-65	MAT 080: Intermediate Algebra or MAT 115, 120, 121, 140; CHM 131
75-120	41-55	66-100	MAT 141, 155, 171, or MAT 175

All placement scores are valid for 5 years.

Career and Testing Services

Career counseling is available through the Office of Career and Testing Services. Students are assisted with career decision-making, employment trends, and educational requirements.

Job placement assistance is also available to students and graduates. Career Services provides on-line job listings through CFCC Career Connection. This on-line job bank gives students, graduates, and employers an opportunity to connect. The Employment Security Commission's (ESC) on-line job listing is also available to students and graduates.

Placement Testing

All applicants to degree, diploma, and certain certificate programs are required to have valid placement test scores on file prior to being accepted at CFCC. The assessment is not an entrance examination. The primary purpose of placement examinations is to determine the individual's skill level and readiness. Assessment results will be used to determine the need, if any, for developmental placement. Faculty advisors will also use the results in planning students' programs and classes.

Placement assessments are administered in the following areas: Writing, Reading and Mathematical skills. All placement scores are valid for five years from date of examination. An admission application must be submitted prior to testing to ensure that results are properly posted.

Placement Testing Options

CFCC will accept official copies of assessment tests taken at other colleges (ASSET, COMPASS, Accuplacer (CPT), SAT or ACT). All students are required to have assessment test scores on file prior to being accepted at CFCC.

Assessment scores will be used to place students in classes according to CFCC's placement guide on page 10. All scores are valid for a period of five (5) years. Students submitting official SAT or ACT scores must meet the minimum scores listed on page 10.

All or parts of the placement assessment requirement may be waived upon receipt of official transcripts if the applicant has satisfactorily completed, with a grade of "C" or better, a college level English Composition and/or Mathematics course above the developmental level at an accredited college or university.

All or parts of the placement assessment requirements may be waived for developmental course credit earned, with a "C" or better, at a school in the North Carolina System.

Accuplacer Test

The Accuplacer is an un-timed computer-based type assessment. The test is divided into four sections: sentence skills (writing), reading comprehension, arithmetic (numerical skills) and algebra. Currently there is no fee for the test.

Applicants/students need to bring a #2 pencil, a picture ID, and know their social security number and CFCC's program of study. The testing room opens fifteen (15) minutes prior to testing. Parking for testers at the downtown campus is available in the student parking lot located next to the Schwartz Center on North Front Street.

If alternative accommodations are necessary because of a diagnosed disability, requests for approval, assistance, and scheduling must be arranged through CFCC's Coordinator of Disability Services.

A schedule of dates/times of the Placement Tests can be obtained from CFCC's website: www.cfcc.edu (Go to Student Support Services, Testing Services, and Placement Testing Schedule).

Retest Policy

Applicants/students can take the placement test only twice in (12) twelve consecutive months. Prior to taking a placement test the second time, it is recommended that you visit CFCC's Learning Lab for tutoring services. It is also recommended that a student retest after successfully completing a developmental course in the subject area.

GED Testing

The General Education Development (GED) diploma is administered at CFCC. Successful completion of the *pre*-GED is required before applying to take the GED test. See Basic Skills Division, page 51.

Retention and Graduation Rate Information

Anyone wishing to obtain information about first-time students' rate of persistence and/or graduation rates should contact the Office of the Director of Enrollment Management.

Cape Fear Community College measures and reports retention, graduation and transfer rates, along with seven other institutional performance standards, on an annual basis and in accordance with definitions and standards established by the North Carolina State Board of Community Colleges. Establishment of these common performance measures of institutional effectiveness, along with definitions and standards for each, are the result of a mandate by the N.C. General Assembly to review past performance and define standards of performance to ensure quality and effectiveness of programs and services in all of the 58 community colleges. Please refer to page ? of this catalog for CFCC's performance report on these measures. Historical data and additional details may be viewed at http://cfcc.edu/ie/measures.htm**.**

Developmental Studies

To help insure student success, the college offers developmental courses to students who need help in the basic skills: mathematics, reading, and writing. These courses are required for those students who have been identified by the Admissions and Records Office as needing enhancement in these skills.

Developmental courses earn institutional credit; however, such credit does not apply toward the required hours for receiving a degree or in the calculation of grade-point averages.

The college-wide grading scale applies to grades assigned in developmental courses. Exception: While a grade of "D" is considered passing in curriculum classes, a grade of "C" or better is considered passing in developmental courses. The grade of "D" is not given in developmental courses.

CFCC will recognize developmental courses completed with a grade of "C" or above at other North Carolina accredited institutions. Counselors will mail students a transfer credit slip following an evaluation of the coursework. The transfer evaluation will be used for class placement by the advisor.

Below is a selected list of transferable courses for students who are deficient in reading (a CPT score less than 80). Some courses have additional prerequisites and corequisites (listed within parentheses), and students must comply with them. Reminder: Students may also take math courses if they (students) comply with the prerequisites and the corequisites. A student's placement in the entry-level math courses may be based on the math placement test only or on the math placement test and the reading placement tests. For example, RED 080 (not taught at CFCC) or ENG 085 is a corequisite for MAT 070 and MAT 080.

2011--2012 List of Transfer Courses for Students Who Are Not Proficient in Reading

(CPT scores in Reading less than 80)

Course Prefix & Number (Pre-/Co-requisites)	Course Title	Credit Hours
ACA 122 (transferable and may count as the 64th or 65th hour)	College Transfer Success	1
ART 111	Art Appreciation	3
ART 121	Design I	3
ART 122 (Prerequisite: ART 121)	Drawing II	3
ART 131	Drawing I	3
ART 132 (Prerequisite: ART 131)	Drawing II	3
ART 171 (Prerequisite: ART 131)	Computer Art I	3
ART 212	Gallery Assistantship I	1
ART 214	Portfolio and Resume	1
ART 231	Printmaking I	3
ART 232 (Prerequisite: ART 231)	Printmaking II	3
ART 240 (Prerequisite: ART 131)	Painting I	3
ART 241 (Prerequisite: ART 240)	Painting II	3
ART 245	Metals I	3
ART 246 (Prerequisite: ART 245)	Metals II	3
ART 247	Jewelry I	3
ART 248 (Prerequisite: ART 247)	Jewelry II	3
ART 250	Surface Design: Textiles	3
ART 251	Weaving I	3
ART 252 (Prerequisite: ART 251)	Weaving II	3
ART 261	Photography I	3
ART 262 (Prerequisite: ART 261)	Photography II	3
ART 264	Digital Photography I	3
ART 265 (Prerequisite: ART 264)	Digital Photography II	3
ART 266	Videography I	3
ART 267 (Prerequisite: ART 266)	Videography II	3
ART 271 (Prerequisite: ART 171)	Computer Art II	3
ART 281	Sculpture I	3
ART 282 (Prerequisite: ART 281)	Sculpture II	3
ART 283	Ceramics I	3
ART 284 (Prerequisite: ART 283)	Ceramics II	3
ART 285 (Prerequisites: ART 284)	Ceramics III	3
ART 286 (Prerequisites: ART 285)	Ceramics IV	3
ART 288	Studio	3
BIO 140 (Corequisite: BIO 140A)	Environmental Biology	3
BIO 140A (Corequisite: BIO 140)	Environmental Biology Lab	1
COM 111	Voice and Diction I	3
COM 160	Small Group Communication	3
COM 251	Debate I	3
COM 252 (Prerequisite: COM 251)	Debate II	3
CTS 115	Info Sys Business Concept	3
DRA 111	Theatre Appreciation	3
DRA 120	Voice for Performance	3
DRA 126	Storytelling	3
DRA 128	Children's Theatre	3
DRA 130	Acting I	3
DRA 131 (Prerequisite: DRA 130)	Acting II	3

DRA 135	Acting for the Camera I	3
DRA 136 (Prerequisite: DRA 135)	Acting for the Camera II	3
DRA 140	Stagecraft I	3
DRA 141 (Prerequisite: DRA 140)	Stagecraft II	3
DRA 142	Costuming	3
DRA 145	Stage Make-up	2
DRA 147 (Prerequisite: DRA 140)	Sound Technology	3
DRA 170	Play Production I	3
DRA 171 (Prerequisite: DRA 170)	Play Production II	3
DRA 175	Teleplay Production I	3
DRA 176 (Prerequisite: DRA 175)	Teleplay Production II	3
DRA 230 (Prerequisite: DRA 131)	Acting III	3
DRA 231 (Prerequisite: DRA 230)	Acting IV	3
DRA 240	Lighting for the Theatre	3
DRA 260 (Prerequisite: DRA 130; Corequisite: DRA 140)	Directing	3
DRA 270 (Prerequisite: DRA 171)	Play Production III	3
DRA 271 (Prerequisite: DRA 270)	Play Production IV	3
DRA 275 (Prerequisite: DRA 176)	Teleplay Production III	3
DRA 276 (Prerequisite: DRA 176)	Teleplay Production IV	3
GEL 113 (Prerequisite: GEL 111 or GEL 120)	Historical Geology	4
GEL 120	Physical Geology	4
HUM 120	Cultural Studies	3
HUM 121	The Nature of America	3
HUM 122	Southern Culture	3
HUM 140	History of Architecture	3
HUM 150	American Women’s Studies	3
HUM 170	The Holocaust	3
MUS 110	Music Appreciation	3
MUS 111	Fundamentals of Music	3
MUS 112	Intro to Jazz	3
MUS 113	American Music	3
MUS 114	Non-Western Music	3
MUS 121 (Prerequisite: Music 111)	Music Theory I	4
MUS 122 (Prerequisite: MUS 121)	Music Theory II	4
MUS 123 (Prerequisite: MUS 111 or MUS 121)	Music Composition	1
MUS 131	Chorus I	1
MUS 132 (Prerequisite: MUS 131)	Chorus II	1
MUS 135	Jazz Ensemble I	1
MUS 136 (Prerequisite: MUS 135)	Jazz Ensemble II	1
MUS 137	Orchestra I	1
MUS 138 (Prerequisite: MUS 137)	Orchestra II	1
MUS 141	Ensemble I	1
MUS 142 (Prerequisite: MUS 141)	Ensemble II	1
MUS 151	Class Music I	1
MUS 152 (Prerequisite: MUS 151)	Class Music II	1
MUS 161	Applied Music I	2
MUS 162 (Prerequisite: MUS 161)	Applied Music II	2
MUS 175	Recording Techniques I	2
MUS 176 (Prerequisite: MUS 175)	Recording Techniques	2
MUS 210	History of Rock Music	3
MUS 211	History of Country Music	3
MUS 212	American Musical Theatre	3
MUS 214 (Prerequisite: MUS 111)	Electronic Music I	2
MUS 215 (Prerequisite: MUS 214)	Electronic Music II	2
MUS 221 (Prerequisite: MUS 122)	Music Theory III	4
MUS 222 (Prerequisite: MUS 221)	Music Theory IV	4
MUS 231 (Prerequisite: MUS 132)	Chorus III	1
MUS 232 (Prerequisite: MUS 231)	Chorus IV	1
MUS 235 (Prerequisite: MUS 136)	Jazz Ensemble III	1
MUS 236 (Prerequisite: MUS 235)	Jazz Ensemble IV	1
MUS 237 (Prerequisite: MUS 138)	Orchestra III	1
MUS 238 (Prerequisite: MUS 237)	Orchestra IV	1
MUS 241 (Prerequisite: MUS 142)	Ensemble III	1
MUS 242 (Prerequisite: MUS 241)	Ensemble IV	1
MUS 251 (Prerequisite: MUS 152)	Class Music III	1
MUS 252 (Prerequisite: MUS 251)	Class Music IV	1
MUS 253	Big Band	1

MUS 261 (Prerequisite: MUS 162)	Applied Music III	2
MUS 262 (Prerequisite: MUS 261)	Applied Music IV	2
MUS 271 (Prerequisite: MUS 122)	Music History I	3
MUS 272 (Prerequisite: MUS 271)	Music History II	3
PED 113	Aerobics I	1
PED 120	Walking for Fitness	1
PED 125	Self-Defense Beginning	1
PED 128	Golf-Beginning	1
PED 130	Tennis-Beginning	1
PED 143	Volleyball-Beginning	1
PED 145	Basketball-Beginning	1
PED 147	Soccer	1
PED 148	Softball	1
PED 149	Flag Football	1
PED 170	Backpacking	1
PED 210	Team Sports	1
SPA 141	Culture and Civilization	3

Students proficient in reading (a CPT Reading score of 80 or above) may take the selected list of transfer courses on pages 12 - 13 and the transfer courses listed below. Some courses have additional prerequisites and corequisites (listed within parentheses), and students must comply with them. Reminder: Students may also take math courses if they (students) comply with the prerequisites and the corequisites.

2011-2012 List of Transfer Courses for Students Who Are Proficient in Reading

(Note: In addition, students may take the courses on pages 12 – 13.)

Course Prefix & Number (Pre-/Co-requisites)	Course Title	Credit Hours
ACC 120	Princip of Financial Accounting	4
ACC 121 (Prerequisite: A grade of "C" or better in ACC 120)	Princip of Managerial Accounting	4
ANT 210	General Anthropology	3
ANT 220	Cultural Anthropology	3
ART 114	Art History Survey I	3
ART 115	Art History Survey II	3
ART 116	Survey of American Art	3
ART 117	Non-Western Art History	3
BIO 110	Principles of Biology	4
BIO 111	General Biology I	4
BIO 112 (Prerequisite: BIO 111)	General Biology II	4
BIO 130 (Prerequisite: BIO 110 or BIO 111)	Introductory Zoology	4
BIO 150 (Prerequisite: BIO 110 or BIO 111)	Genetics in Human Affairs	3
BIO 168	Anatomy and Physiology I	4
BIO 169 (Prerequisite: BIO 168)	Anatomy and Physiology II	4
BIO 173 (Prerequisites: BIO 110 or BIO 111)	Microbes in World Affairs	3
BIO 175 (Prerequisites: BIO 110, 111, 163, 165, or 168)	General Microbiology	3
BUS 115	Business Law I	3
CJC 111	Intro to Criminal Justice	3
CJC 121	Law Enforcement Operation	3
CJC 141	Corrections	3
COM 110	Intro to Communication	3
COM 120	Interpersonal Communication	3
COM 140	Intercultural Communication	3
COM 231	Public Speaking	3
COM 232	Election Rhetoric	3
DRA 122	Voice Performance	3
DRA 211	Theatre History I	3
DRA 212	Theatre History II	3
ECO 151	Survey of Economics	3
ECO 251	Principles of Microeconomics	3

ECO 252		Principles of Macroeconomics	3
EDU 216	(Prerequisite: Proficiency in Numerical/Arithmetic Skills and in Intermediate Algebra. Corequisite: Enrollment in ENG 111 or previous successful completion of the same.)	Foundations in Education	4
FRE 111	(Corequisite: FRE 181)	Elementary French I	3
FRE 112	(Prerequisite: FRE 111; Corequisite: FRE 182)	Elementary French II	3
FRE 181	(Corequisite: FRE 111)	Elementary French Lab I	1
FRE 182	(Prerequisite: FRE 181, Corequisite: FRE 112)	Elementary French Lab II	1
FRE 211	(Prerequisite: FRE 112)	Intermediate French I	1
FRE 212	(Prerequisite: FRE 211	Intermediate French II	1
GER 111	(Corequisite: GER 181)	Elementary German I	3
GER 112	(Prerequisite: GER 111; Corequisite: GER 182)	Elementary German II	3
GER 181	(Corequisite: GER 111)	Elementary German Lab I	1
GER 182	(Prerequisite: GER 181; Corequisite: GER 112)	Elementary German Lab II	1
GER 211	(Prerequisite: GER 112)	Intermediate German I	3
GER 212	(Prerequisite: GER 211)	Intermediate German II	3
HIS 115		Intro to Global History	3
HIS 116		Current World Problems	3
HIS 121		Western Civilization I	3
HIS 122		Western Civilization II	3
HIS 131		American History I	3
HIS 132		American History II	3
HIS 221		African-American History	3
HIS 227		Native-American History	3
HIS 228		History of the South	3
HIS 229		History of the Old South	3
HUM 110		Technology and Society	3
HUM 130		Myth in Human Culture	3
HUM 160		Introduction to Film	3
HUM 161	(Prerequisite: HUM 160)	Advanced Film Studies	3
PHY 110	(Corequisite: PHY 110A)	Conceptual Physics	3
PHY 110A	(Corequisite: PHY 110)	Conceptual Physics Lab	1
POL 110		Intro to Political Science	3
POL 120		American Government	3
POL 210		Comparative Government	3
POL 220		International Relations	3
PSY 150		General Psychology	3
PSY 211	(Prerequisite: PSY 150)	Psychology of Adjustment	3
PSY 241	(Prerequisite: PSY 150)	Developmental Psychology	3
PSY 259	(Prerequisite: PSY 150)	Human Sexuality	3
PSY 263	(Prerequisite: PSY 150)	Educational Psychology	3
PSY 281	(Prerequisite: PSY 150)	Abnormal Psychology	3
REL 110		World Religions	3
REL 111		Eastern Religions	3
REL 112		Western Religions	3
REL 211		Intro to the Old Testament	3
REL 212		Intro to the New Testament	3
REL 221		Religion in America	3
SOC 210		Introduction to Sociology	3
SOC 213		Sociology of the Family	3
SOC 220		Social Problems	3
SOC 230		Race and Ethnic Relations	3
SOC 232		Social Context of Aging	3

SOC 234	(Prerequisite: SOC 210)	Sociology of Gender	3
SOC 240		Social Psychology	3
SOC 242	(Prerequisite: SOC 210)	Sociology of Deviance	3
SPA 111	(Corequisite: SPA 181)	Elementary Spanish I	3
SPA 112	(Prerequisite: SPA 111; Corequisite: SPA 182)	Elementary Spanish II	3
SPA 161	(Prerequisite: SPA 111)	Cultural Immersion	3
SPA 181	(Corequisite: SPA 111)	Elementary Spanish Lab I	1
SPA 182	(Prerequisite: SPA 181; Corequisite: SPA 112)	Elementary Spanish Lab II	1
SPA 211	(Prerequisite: SPA 112)	Intermediate Spanish I	3
SPA 212	(Prerequisite: SPA 211)	Intermediate Spanish II	3
SPA 221	(Prerequisite: SPA 212)	Spanish Conversation	3
SPA 231	(Prerequisite: SPA 212)	Reading and Composition	3

The Learning Lab

The Learning Lab provides free access to computers and educational support to promote student success and academic independence.

Masters-level facilitators and experienced student tutors cater to individual learning styles to help students develop self-reliance and build self-esteem.

The Lab provides the following:

1. Free tutorial assistance for...
   - CFCC academic, curriculum, and online courses, ESL, Accuplacer, and PSB test preparation, Adult Basic Skills, and GED/Adult High School readiness.
   - basic skills in reading, writing, and grammar.
   - all math classes from the basics to advanced calculus.
   - courses such as anatomy & physiology, biology, chemistry, physics, and all languages.
2. Free access to over 100 computers for students to complete assignments and type papers.
3. Supplemental Instruction that assists students in traditionally challenging courses through facilitated group sessions. These courses may include BIO, CHM, PHY, MSC, and other courses as needed.
4. Assistance that helps students develop computer skills applicable to schoolwork and their future career.
5. Academic skills workshops on Time Management/Study Skills, Note and Test Taking Skills, Plagiarism, and Resume and Cover Letter Writing.

Learning Lab - Wilmington Campus
Room L218 • Health Sciences/Learning Resources Center

Hours: Monday-Thursday from 8:00 a.m. to 9:00 p.m.
Friday from 8:00 a.m. to 5:00 p.m.
Saturday from 10:00 a.m. to 2:00 p.m.
(Hours are subject to change)

Learning Lab - North Campus
Room NA-113I • Learning Resource Center

Hours: Monday-Thursday from 8:00 a.m.to 6:00 p.m.
Friday from 8:00 a.m.to 3:00 p.m.
Saturday-Closed
(Hours are subject to change)

To request more information about the Learning Lab and special summer hours, students may call (910) 362-7663 or (910) 362-7476.

Health Services

Cape Fear Community College does not maintain health facilities or medical services. The responsibility for medical services rests with the student. In the case of illness or injury on campus, Emergency Medical Services may be called to assist individuals.

First aid kits are available in labs and the Student Development office.

If a student is injured or becomes ill while on campus, the Student Development office should be contacted. Should illness or injury occur after 5:00 p.m., the Evening Coordinator should be contacted at 362-7100.

Learning Resource Centers (LRC)

The Learning Resource Centers provide library and media services and an environment conducive to research and study. The Wilmington Campus LRC is located on the second floor of the Health Sciences/LRC building and is open from 7:30 a.m. to 9:00 p.m. Monday – Thursday, 7:30 a.m. to 5:00 p.m. Friday, and 10:00 a.m. to 2:00 p.m. Saturday. The North Campus LRC is located on the first floor of the McKeithan Center and is open from 7:30 a.m. to 8:00 p.m. Monday – Thursday and 7:30 a.m. to 3:00 p.m. Friday. Hours during the summer, holidays, and breaks vary and are posted. LRC staff and resources will help you meet your course objectives, supplement your daily classroom assignments, assist you with reference questions, and enable you to pursue subjects of interest. Additional information about the LRC is available at our website: http://cfcc.edu/lrc/.

Library
The Wilmington and North Campus libraries have approximately 47,000 books, 585 current periodical subscriptions, and over 6,500 audiovisual items. The library is a member of NC LIVE, providing online access to 100+ electronic databases including complete articles from more than 16,000 newspapers, journals, magazines, and encyclopedias and access to 25,000+ online books. Students may use the libraries' 53 computers to access these electronic resources via the Internet. Students may also access the CFCC wireless network from the libraries. A CFCC ID is required to check out LRC materials. For individual reference or research assistance or to schedule an instruction session or tour for a class, contact the Reference Desk at 910-362-7034 or via email: lrcref@cfcc.edu.

Media Center
The Media Center, located in the LRC, has equipment and personnel available to assist students, faculty, and staff in the creation of classroom aids, including media production, signage, dubbing, and color copies. Media center staff are also available to assist faculty with the operation of classroom multimedia equipment.

Continuing Education Services

Continuing Education Department promotes the concept of lifelong learning by providing meaningful educational experiences that will help adults meet occupational and professional goals and fulfill social and personal needs. Non-credit classes and seminars offered will allow adults to achieve their full potential in our ever-changing world of knowledge and skills by preparing for employment to upgrade their skills or learn a new skill.

Human Resources Development Program

The Human Resources Development (HRD) program is designed for unemployed or underemployed individuals who wish to become more marketable by upgrading their employability skills. Classes are year round and are free for those who qualify. See Corporate and Continuing Education Division for further details.

Basic Skills Division

The Basic Skills Division offers literacy classes for adults 16 years of age or older, who wish to begin, continue, or expand their educational skills: All classes are free and are offered at convenient times and locations. Anyone under 18 years of age must have school and parental release forms. See Extended Services-Continuing Education Department for further details.

Registration Information

Registration is the term used for enrolling in classes. Advisors and counselors provide information which will assist students in choosing required classes, completing the registration form, securing a space in class and paying tuition fees.

Semester System

The academic year is divided into two semesters and summer sessions. The Fall and Spring semester offers sixteen (16) weeks of instruction. The Summer terms are provided either in a ten (10) week session or two five (5) week sessions. Consult the Schedule of Classes for specific scheduling information.

Semester Hour Credit

Each course listed in the catalog and class schedule is followed by a notation on the number of semester hours it earns. Normally, the number of semester hours earned is based on the number of class, laboratory or shop hours spent under the supervision of the course instructor per week for the semester. Usually one semester hour credit is given for each lecture hour of class per week, for each two hours of laboratory work per week, or for each three hours of shop or manipulative laboratory per week. (A class hour is usually defined as 50 minutes of instruction.) Exceptions may be made in cases where specific classification is not feasible.

Course Load

Students enrolled in the fall and spring semesters for 12 or more credit hours are designated as full-time students. Students taking 11 or fewer credits during a semester are considered part-time. Students enrolled in the Summer Session for 9 credit hours or more are designated as full-time students for insurance purposes. Students receiving Financial Aid and Veteran's benefits must be enrolled for 12 or more credit hours each semester to receive full benefits. Students who are placed on academic probation or suspension may be required to take a reduced course load.

Maximum course loads for which students may enroll are as follows:

- Fall and/or Spring Semester(s) - Eighteen (18) credit hours except when program requirements determine otherwise.
- Summer Term - Thirteen (13) credit hours except when program requirements determine otherwise.

Any exception must be approved by the Vice President of Student Development.

Procedures for Registering for Classes

(General Registration)

Step 1. Advisement & Scheduling - Faculty advise students concerning course schedule and sign registration cards.

Step 2. Schedule Input - Students' schedules will be entered into the computer.

Step 3. Registration Receipt Form - Students must pick up their schedule/receipt form.

Step 4. Payment of Tuition Fees - Business Office - All students pay tuition and fees.

Note: Students receiving Financial Aid, Veterans benefits or financial sponsorship must complete steps 1-4.

WebAdvisor
(Online Registration at Cape Fear)

WebAdvisor is online registration for currently enrolled students to select and early register for classes for the following semester. Currently enrolled students are assigned registration priorities based on their major and number of completed credit hours. Registration information is emailed to students' CFCC email account.

Auditing Courses

Students who wish to audit courses must register for the audit by following the regular registration procedures and indicating in writing on an audit form which course(s) they are auditing. Auditing students must meet all course pre-requisites. The audit form must be signed by the instructor and turned into the Registrar's office during the first week of the semester. Auditing students receive no credit and are not required to participate in class discussion or take tests. Fees for audit courses are the same as those taken for credit. Changes from audit to credit or credit to audit may only be done during registration and Final Schedule Adjustment Day. Students should be aware that Financial Aid and Veteran benefits do not pay for audit courses. Audit courses do not transfer.

Withdrawal

Students desiring to withdraw from classes must contact the Admissions and Records Office to obtain the necessary forms and procedures for official withdrawal. Distance Learning students may go to http://cfcc.edu/dl/ for more information. Students who have not attended at least once by the 10 percent date of the class will be dropped by the instructor as "never attended" and assigned a non-punitive transcript grade of "NS." No tuition and fee adjustments will be made.

Curriculum Courses

Students who officially withdraw from a course(s) within the first 30 percent of class hours will receive a grade of "W," which will not be computed in the grade-point average (GPA). Students who withdraw from a course(s) based on course performance between the 30 and 80 percent point of class hours must receive a grade of "WP" (Withdraw Passing) or "WF" (Withdraw Failing) as determined by the course instructor. A "WP" will not be computed in the GPA whereas a "WF" will be computed as a failing grade.

Students who stop attending a class without officially withdrawing will receive a grade of "F," which is computed as a failing grade.

Students who withdraw after the 80 percent of class hours must obtain permission in writing from their instructor and the Department Chair. Permission will be granted for extenuating circumstances only. Documentation is required. No withdrawals may be requested during the last week of the semester.

Developmental Courses (Courses with numbers less than 100: ENG 075, ENG 085, ENG 095, MAT 060, MAT 070, MAT 080) Students who withdraw from a developmental course(s) within the 80 percent date of the semester will receive a grade of "W." Students will not be allowed to withdraw from a course(s) after the 80 percent date of the semester. After the 80 percent date, final grades will be assigned based on the grade earned. Grades in developmental classes are not computed in the grade-point average.

While students are expected to initiate all withdrawals, instructors will withdraw a student and assign a grade of "W" when the student has exceeded the allowable absences for that course through the 80 percent date of the semester. Instructors may not initiate withdrawals for any other reasons.

Notes:

- Please refer to the Academic Calendar for the withdrawal deadlines for each semester.
- Financial Aid students who stop attending class and receive a grade of "WP," "WF," or "W" may be required to repay a percentage of their Federal Aid back to the Department of Education. Go to http://cfcc.edu/finaid/ for more information about financial rules and policies.

Academic Information

Student Advisement

Cape Fear Community College views student advisement as an important, on-going process. Each degree/certificate seeking student is assigned a faculty advisor who assists the student in selecting and scheduling appropriate classes to fulfill his/her educational requirements. Non-degree students are assigned a counselor as their advisor who assist in selecting and scheduling appropriate classes.

Students are strongly encouraged to meet with their assigned advisor each semester/session for assistance in scheduling classes and completing the registration form. Advisors' office hours are posted on their office doors.

Students must accept the responsibility of familiarizing themselves with specific course, prerequisite, corequisite, and program requirements.

While advising is an on-going process, specific times are designated prior to each registration period for advising.

Grading and Grade Point Averages

Grading is done by the traditional method of "A" through "D" along with negative categories such as "F" (Failure), and "WF" (Withdraw Failing). Grades are assigned a numerical value when determining a students Grade Point Average (GPA).

Grading System

Quality Points

Grade	Significance	Per Semester Hour
A	Superior	4
B	Good	3
C	Average	2
D	Poor	1
F	Failure	0
I	Incomplete	0
W	Official Withdrawal	0
AU	Audit	0
WP	Withdraw Passing	0
WF	Withdraw Failing	0
CR	Credit by Proficiency Exam	0
CT	Credit by Transfer	0
NS	No Show	0

Grading Scale

The College grading scale is:

A = 92 - 100
B = 84 - 91
C = 76 - 83
*D = 68 - 75
F = 0 - 67

*Students must make a grade of "C" or better to pass a developmental studies course (the grade of "D" is not given).

Translating Course Grades into GPA

By taking the number of semester hours assigned to a course and multiplying them by the value of the grade, you determine the grade points for each course attempted. Example: If you take five courses that are assigned a total of 18 semester hours, you may determine your GPA in the following manner:

Course	Grade	Semester Hours Attempted		Times Grade Value		Equals Quality Points
1	B	2	X	3	=	6
2	A	6	X	4	=	24
3	C	4	X	2	=	8
4	B	3	X	3	=	9
5	F	3	X	0	=	0
6	WP	0	X	0	=	0
TOTALS		**18**				**47**

Divide the total number of hours attempted into the total quality points and that will give you your GPA; in this case 2.61 is the GPA.

Attendance

Absences seriously disrupt students' progress in a class and diminish the quality of group interaction. Students are expected to punctually attend all lecture and laboratory sessions in the courses for which they are registered. Late arrivals and/or early departures may count toward total absences in classes.

Students must be in attendance at least eighty (80%) percent of the clock hours of a course to receive credit for the course. Those who do not meet minimum attendance requirements will be given the grade of "F," which will be computed in the students' grade point average as a failing grade.

Students who have not attended at least once by the 10 percent date of the class will be dropped by the instructor as a "No Show" and assigned a non-punitive transcript grade of "NS." No tuition and fee adjustments will be made. For example: A student enrolls in a three credit hour class totaling three meeting hours per week. The class meets 16 weeks for a total of 48 hours during the semester. The 10 percent of this class would be 4.8 hours rounded to 5. Therefore, the fifth class meeting would be the 10 percent point of the class.

Attendance requirements for each class are printed in the course syllabus distributed by the instructor. Because of the nature of some courses, some instructors may have a more restrictive attendance requirement.

Attendance in online (Internet) courses is measured not only by initial log-in (first 8 days of the semester) but also by completion of 80% of the required course work. Telecourse, Hybrid and Teleweb students MUST meet on the published meeting dates (orientation or first class meeting). See www.cfcc.edu/dl for course information.

Special note to Marine Technology students: Students in the Marine Technology curriculum are at times involved in cruises on the ship that might take place during a holiday or semester break during which time students are normally off. When such occurs, students must participate in the cruise.

College Closings or Delays

In the event of inclement weather, Cape Fear Community College may close or delay classes depending on the weather forecast and local conditions. All official college closings and delays will be posted on the college web site at www.cfcc.edu, myCFCC online portal, the CFCC Emergency Information Hotline (877) 799-2322, and through the local news media. Students who subscribe to the text messaging alert system through CFCC online portal will be notified of closings and delays through text messages. Students are encouraged to familiarize themselves with these resources as soon as possible.

Inclement Weather

While the College makes every effort to provide a safe environment on campus, the College does not take responsibility for student safety while traveling to and from campus. During periods of inclement or hazardous weather, students must use their best judgment when deciding to come to class. College officials do not expect students to take extreme risks to their personal safety to attend class. However, if a student chooses not to come to class due to inclement weather when the college is open, the student will be counted as absent in accordance with the course syllabus (see the Attendance Policy on page 19).

On-Campus Groups and Individuals

On-campus groups and individuals may reserve designated outdoor space for use in support of their activities. Arrangements for the use of outdoor space shall comply with College procedures and CFCC Club and Organizations procedures.

Off-Campus Groups and Individuals

General Provisions

Individual and/or groups will be granted access to designated areas when notice has been provided consistent with the CFCC Space Request Form.

Access for the requested event will not be granted if the event conflicts with a previously scheduled event or if the designated area is temporarily inaccessible or unsafe due to construction, act of God, or similar cause.

Access is granted on a first-come, first-served, space-available basis.

Gross, multiple, or continued violation of this solicitation procedure will result in the soliciting party's loss or suspension of future solicitation privileges on property which is owned, leased, or operated under the jurisdiction of the College.

Notice Requirement

The requesting individual, organization, agency or group must complete the CFCC Space Request Form and obtain the approval of the Vice President of Student Development at least ten (10) business days in advance of the event.

Approved individual/groups must check in with the Vice President of Student Development and/or designee upon arriving on the campus on the day of the event.

Information Requirement

When completing the Space Request Form, all individuals or groups must provide the names of the per-sons who intend to speak on campus, the anticipated size of the group that will visit campus, and the name, address and phone number of a responsible contact person who will be present on campus during the event.

Disclosure of this information is required in order to allow proper planning and will not be grounds for denying or abridging the right to engage in expressive activities in the designated area.

Designated Areas

The following areas are designated for expressive activities by off-campus groups and individuals:

> **Wilmington Campus:** The grassy area in front of the Burnett (W) Building on Water Street.
>
> **North Campus:** The covered brick patio between the Eric B. McKeithan Center and the soccer field.

Scheduling Limitations

At the beginning of the academic year, the Vice President of Student Development shall establish a schedule of one day per week for expressive activities by off-campus groups and individuals. These areas will be made available to any off-campus group or individual for up to four hours per day between 11:00 a.m. and 3:00 p.m.

In order to promote opportunities for diverse speakers, an individual and/or group may not reserve or submit an application more than twice per academic year.

Noise Restrictions

Sound amplification is not permitted. Noise levels that cause, or are likely to cause, a disruption to the learning environment or the normal administration or operation of the College are prohibited.

Grounds for Denial of Access or Removal from CFCC Property

- Failing to comply with the procedures set forth.
- Communicating "fighting words" as defined in case law.
- Advocating illegal conduct that is directed to inciting or producing imminent lawless action and is likely to incite or produce such action.

- Touching, striking, or impeding the progress of pedestrians, except for incidental or accidental contact, or contact initiated by a pedestrian.
- Photographing, audio recording, or videotaping any faculty, staff or student without first obtaining written permission from the person to be photographed, audio recorded or videotaped.
- Engaging in disruptive or disorderly conduct that is reasonably likely to cause a material disruption to the learning environment or the normal administration or operation of the College.
- Damaging, destroying or stealing College or private property on campus.
- Possessing or using firearms, explosives, or dangerous weapons or substances.
- Obstructing the free flow of pedestrian or vehicular traffic.

Student Participation in CFCC Activities

Student success at Cape Fear Community College is based upon academic excellence. Accordingly, students should attempt to attend all scheduled class and laboratory sessions. Participation in extra-curricular activities is also important to the total education and personal development of CFCC students. Occasionally, a student may be required to miss a class session in order to participate in college-sponsored activities such as athletics, Phi Theta Kappa Honor Society, CFCC Ambassadors, Student Government Association, program conferences and competitions, and other activities approved by the Director of Athletics/Student Activities.

College officials sponsoring such approved student activities are expected to provide advance notice to faculty of anticipated absences and the list of students who will be participating. In addition, participating students must also inform their instructors in advance of such anticipated absences and are expected to make advance arrangements for making up all missed assignments. In such cases, class time missed will not usually be counted as absences provided participating students are otherwise in good academic standing.

If a faculty member believes that missing class due to a student activity is detrimental to the academic success of a specific student, the faculty member may request that the Vice President of Student Development (or his/her designee) review that student's overall academic and attendance records to determine if the student's absence warrants exemption from the College's regular attendance policy.

Students who disagree with the Vice-President's decision may appeal to CFCC's Judicial Board according to the College's Grievance Procedure.

Final Grades

Final grades will be available through WebAdvisor to students after the end of each academic session. Course grades, along with semester and cumulative grade point average (GPA), will be displayed. Grade reports are no longer printed and mailed to students.

Incomplete Grades

An incomplete (I) will be given only when circumstances justify additional time to complete the course. Students must contact the instructor to request an Incomplete Grade. When an incomplete is granted, the course requirements must be completed within six weeks of the beginning date of the next academic session. Incompletes (I) not finalized within the appropriate time frame will convert to an "F". Exceptions may be made by the Vice President of Student Development.

Credit by Proficiency

For selected courses, students may request credit by proficiency examination for previous experience or training. The student must be currently enrolled at CFCC and **must not have enrolled in the course prior to taking the proficiency exam.** The student must make written application to the Registrar and the department chair. Students may challenge a course only once. Students successfully passing a proficiency exam will receive credit for the course as a "CR" (credit for record). Credit by Proficiency does not usually transfer. CLEP and AP exams (see below) may be used in lieu of proficiency exams.

Advanced Placement

An entering first-year student may receive semester hour credits based on Advanced Placement (AP) Examination of the College Board. These examinations are taken prior to the students' high school graduation. Information on this examination program may be obtained from the high school counselor. College Board code for CFCC is 5094

CLEP-College Level Examination Program

The College-Level Examination Program® or CLEP provides students of any age with the opportunity to demonstrate college-level achievement through a program of exams in undergraduate college courses.

CFCC may grant credit in appropriate courses on the basis of CLEP examination results. The following guide describes the cutoff scores and credits that may be earned through the CLEP. Credit may be awarded for other CLEP tests not listed. Students should submit official CLEP scores and meet with a counselor in Student Development prior to registration for possible credit and proper course placement.

Examination	CFCC Course	Hours Credit	Min. Score
Prin. of Accounting	ACC 120	4	50
General Biology	BIO 110	4	50
General Chemistry	CHM 151+lab	4	50
Information Systems & Computer Applications	CIS 110	3	50
Prin. of Marketing	MKT 120	3	50
Intro. Microeconomics	ECO 251	3	50
Intro. Macroeconomics	ECO 252	3	50
English/College Comp.	ENG 111	3	50
Analysis & Interp. Lit.	ENG 131	3	50
English Literature	ENG 241&242	6	50
American Literature	ENG 231&232	6	50
Western Civ. I, Ancient Near East to 1648	HIS 121	3	50
Western Civ. II, 1648 To Present	HIS 122	3	50
American History I Early Col. To 1865	HIS 131	3	50
American History II 1865 to Present	HIS 132	3	50
Intro. to World Religions	REL 110	3	50
History of U.S. I	HIS 131	3	50
History of U.S. II	HIS 132	3	50
College Mathematics	MAT 140	3	50
College Algebra	MAT 171	3	50
College Algebra & Trig	MAT 175	4	50
Calculus	MAT 271	4	50
Precalculus	MAT 175	4	50
American Government	POL 120	3	50
Intro. Psychology	PSY 150	3	50
Educational Psy.	PSY 263	3	50
Introductory Sociology	SOC 210	3	50
Human Growth and Development	PSY 241	3	50
Prin. Of Public Speaking	COM 231	3	50
Humanities	HUM 211 & 212	6	50
Spanish	SPA 111&112	6	50
	SPA 211&212	*12	63
French	FRE 111&112	6	50
	FRE 211&212	*12	59
German	GER 111&112	6	50
	GER 211&212	*12	60

*Students achieving the cutoff score for 211 are also given credit for 111 through 212.

Educational Partnerships

Cape Fear Community College and its partners work together to provide a variety of academic, cultural, and work-based experiences designed to enhance the educational experience of students and improve the quality of life for local residents.
Partnerships with Business and Industry

Cooperative Education
CFCC partners with local business and industry to offer students on-the-job training opportunities through Cooperative Education. Participating students may earn college credit using approved work experience(s) specifically related to their educational program goals. Cooperative Education Work Experience classes include COE 111, COE 112, COE 121, and COE 131.

Employers and organizations interested in having a cooperative education student are urged to contact the educational partnerships coordinator at 910.362.7115 and see our web page: http://www.cfcc.edu/co-op.

Student Enrollment Criteria: To qualify for one of these classes, students must meet the following criteria:

- Meet the age requirement of 18 years old.
- Have a minimum cumulative GPA of 2.0.
- Be enrolled in a program of study that offers cooperative education work experience courses as an option.
- Have completed at least nine (9) semester hours in the appropriate program of study with at least three (3) hours in major courses.

Please Note: Individual programs may have additional requirements for enrolling in a cooperative education work experience course.

Registration Process: To register for a cooperative education work experience course, a student must submit an application directly to the cooperative education instructor or the educational partnerships coordinator (McLeod or S Building, 201C). After the college has approved the application, the student may register using WebAdvisor or through his/her academic advisor during the registration period. A cooperative education application is required each semester the student plans to enroll. The application is available online (http://www.cfcc.edu/co-op) or in the office of the educational partnerships coordinator (McLeod or S Building, room 201C).

Please note: Cooperative education courses may not transfer to four-year institutions. Students should always check with the receiving college or university to verify transferability of any course. The college reserves the right to limit cooperative education work experiences based on the appropriateness, applicability, and location of the position.

For more information, please see the Cooperative Education Web page: http://www.cfcc.edu/co-op or contact the educational partnerships coordinator at 910.362.7115.

Partnerships with Community Agencies

The Gateway Program: College Classes for High School Students
CFCC partners with high schools to offer high school students the opportunity to enroll in college classes early in order to earn both high school and college credit upon successful completion of CFCC courses. For more information, please see “High School Students Enrolling in CFCC Courses” in the Admissions section of this catalog on page 7 and see our web page: http://www.cfcc.edu/gateway.

Service Learning

CFCC partners with local community service-based agencies to provide students enrolled in select classes the opportunity to complete service learning activities to fulfill requirements for a course project. The goal of service learning is to integrate into an assignment meaningful community service activities that help students better understand the course content. These activities should:

- Provide opportunity to apply ideas and theories learned in class to a service-based experience;
- Help students become more aware of their own interconnectedness to their communities;
- Encourage students to develop into civic-minded critical thinkers poised to become productive and active members of the global community.

For more information about service learning projects at CFCC, please see our Web page: http://www.cfcc.edu/ServiceLearning

History Teaching Alliance

The History Teaching Alliance (HTA), a partnership between CFCC, UNC-Wilmington, high schools, and local public historical sites and organizations, coordinates events designed to appeal to the intellectual curiosity of history educators and students. For more information about the HTA, please see our Web page: http://www.cfcc.edu/hta.

Partnerships with Four-Year Institutions:

CFCC partners with public and private North Carolina four-year colleges and universities to provide a clear pathway from associate degree coursework to baccalaureate studies.
Statewide Comprehensive Articulation Agreements: The following transfer articulation agreements between North Carolina community colleges and North Carolina colleges and universities provide qualifying AA, AS, and AFA graduates clear guidelines for transferring from CFCC to a four-year college or university in North Carolina:

The North Carolina Comprehensive Articulation Agreement between North Carolina community colleges and North Carolina public universities.

The Independent Comprehensive Articulation Agreement between North Carolina community colleges and 24 North Carolina independent colleges and universities.

Bilateral Agreements: CFCC and select UNC institutions have bilateral agreements that provide qualifying graduates of AA, AS, and some AAS programs a pathway for transferring coursework into a four-year degree.

- Select AAS programs: Qualifying graduates have the opportunity to transfer to UNC-Pembroke and earn a Bachelor’s of Interdisciplinary Studies through distance learning courses or face-to-face courses that UNC-Pembroke offers on the campus of CFCC.
- Select AAS programs: Qualifying graduates have the opportunity to earn a bachelor's degree at UNC-Greensboro through its 2Plus Program.
- AAS in Early Childhood Education program: Qualifying graduates have the opportunity to transfer into UNC-Wilmington’s Education of Young Children bachelor’s program.
- AA and AS (college transfer) programs: Qualifying graduates have assured acceptance into UNC-Wilmington, provided graduates have completed the UNC-Wilmington application process and met all criteria stipulated in its bilateral agreement with CFCC. Graduates are admitted to UNC-Wilmington on a space-available basis; spring applicants may be deferred to the fall semester if space is not available.

For more information, refer to the “College Transfer General Information and Articulation Agreements” section of this handbook on page 68 and see our Web page: http://cfcc.edu/partnerships/transfer.html.

Independent Study

CFCC provides the opportunity for students to pursue, on an individual basis, subjects in the students’ major area of study. Independent study is not intended, nor will it be allowed, as a substitute for existing courses as listed in the schedule of classes. If the student is preparing to complete the last full semester of study prior to graduation and the college is unable to offer a major course required for a degree, independent study may be considered. In an independent study arrangement, the student first seeks approval from the respective department chair who then works to identify an instructor to supervise the study. The chair will contact the student to let them know if there is an instructor available to supervise the study. The student then meets with the instructor. The instructor provides for a course outline and discusses course requirements and expectations with the student. The instructor then notifies the appropriate chair who authorizes scheduling of the course. The number of credits may vary. Current tuition rates apply, as do standard grading policies. Independent study opportunities are for students who:

- are currently enrolled in classes at CFCC
- have earned a 2.0 or higher cumulative GPA
- have completed 12 credits in their major program of study
- have met the pre-requisites and/or co requisites of the course proposed for independent study

Independent study courses are subject to the consent of the department chair and the availability of qualified instructors. Courses are run by semester and all work must be completed within the semester dates. Only one (1) course taken as independent study may be applied toward an associate degree, diploma, or certificate.

North Carolina High School to Community College Articulation Agreement

Through an agreement between the North Carolina State Department of Public Instruction and the North Carolina Community College System, high school graduates are eligible to receive CFCC credits for certain courses upon presentation and evaluation of a high school transcript. Courses eligible for CFCC credit can be found in the articulation agreement. Copies of the agreement are located in the offices of high school counselors.

Award of credit will only be given for courses that are required in a student's CFCC program of study. Criteria to award college credit:

1. Students must enroll at the community college within two years of their high school graduation date.

2. A grade of "B" or higher is required for the course.

3. A raw score of 80 or higher is required on the standardized VoCATS post-assessment score report.

Any student wishing to receive credit should submit both an official high school transcript and VoCATS post-assessment score report. A CFCC counselor should then be contacted for transcript evaluation.

Experiential Learning

CFCC does not award direct credit for previous experience or training. Proficiency exams or CLEP exams may be used as a means of receiving credit for prior knowledge.

Academic Program of Study

A Program of Study is a specific or specialized academic field. Students seeking a degree, diploma or certificate are enrolled in a program of study. All programs of study/curriculum programs can be found on pages 56-57.

Academic Program Change

Students who desire to change from one academic program to another must see a Counselor to complete a Change of Program form. The counselor will evaluate program requirements and prerequisites and advise the student of any academic deficiencies. Students should also request re-evaluation of their transfer credits including previously earned CFCC credits. Students should complete this process prior to any registration period..

Course Repeat Policy

Courses that are repeated fall into three different categories:

1. Courses with an earned grade of "C" or better may be repeated two times.

2. Courses with an earned grade of "D," "F," "W," "WP," or "WF" may be repeated until successfully completed.

3. Audit courses may be repeated a maximum of two times.

When a course has been repeated, the higher grade will be used in the Grade Point Average (GPA) calculation. Lower grades will be removed from GPA calculation; however, these grades will continue to appear on the academic transcript.

Students who receive Veteran's Benefits or Financial Aid should be advised that they may not receive funds for repeating courses which they have already passed.

Also, students who have received a degree from CFCC should be advised that the policy will not apply to courses which were taken to fulfill previous graduation requirements. A final student GPA is computed at the time of graduation, and this GPA may not be recalculated as courses are repeated.

The above Course Repeat Policy became effective Fall quarter, 1991 and revised Fall 2004.

Academic Forgiveness

Students may request, in writing, to the Director of Enrollment Management to have previous credits exempt from calculation in their cumulative grade point averages. Academic forgiveness is designed to assist returning students with low grades to have a fresh start upon re-enrolling after having at least a three year period of non-enrollment at CFCC. Exceptions may be made by the Vice President of Student Development.

Grades which may be disregarded from students' grade point averages are "F", "WF", and "NC".

Requests for academic forgiveness must specify (1) the period of initial enrollment, (2) the courses and grades considered for forgiveness, and (3) the period of non-enrollment.

Students granted academic forgiveness will have their cumulative grade point averages recalculated. While the forgiven grades will continue to appear on the official transcript, they will be marked as forgiven.

Academic forgiveness will be granted only one time.

Grades that are included in academic forgiveness are not exempt from academic progress relating to Financial Aid and VA educational benefits.

In instances where academic forgiveness is granted for courses completed at CFCC and then transferred to another college or university, the receiving institution is not required to disregard those course grades.

Grade Appeal Procedure

The purpose of the Student Grade Appeal Procedure is to provide an orderly and equitable process for resolving differences between students and faculty relating to grading in the classroom where the student believes he/she is being treated unfairly or arbitrarily.

Procedure

Step 1. The student with the conflict must first discuss the issue with the class instructor to attempt to resolve the difference. Every reasonable effort should be made to resolve the matter at Step 1. This initial conference must occur within fifteen (15) week days of the beginning of the subsequent school term. The instructor must notify his/her Department Chair of the grade appeal and provide written documentation

Step 2. If a satisfactory resolution is not reached at Step 1, the student may contact the Department Chair seeking resolution. The student must contact the chair within ten (10) weekdays of the conference with the instructor. The Department Chair will seek equitable resolution by conferring with both the student and the instructor.

Step 3. If the student continues to be dissatisfied, he/she may, within five (5) weekdays of the date of notification of Step 2, file a written notice with the instructional dean responsible for the course in question (Dean of Arts & Sciences or Dean of Technical/Vocational Education). The Dean will review and evaluate the conflict to determine what action, if any, should be taken to resolve the conflict. Written notification of that determination will be sent to the student within fifteen (15) weekdays of receipt of student's written notice.

Step 4. If the student is dissatisfied with the outcome of Step 3, he/she may file a written grade appeal with the Vice President of Student Development. Within ten (10) weekdays of receipt of the written appeal, the Vice President will convene the Academic Subcommittee of the Judicial Board to hear the conflict and make a determination regarding the issue. The committee will notify the Vice President of Student Development of its decision. The Vice President of Student Development will notify the student, the Dean, the Department Chair, and the instructor in writing of the Committee's decision. The decision of the Academic Subcommittee of the Judicial Board may be appealed to the Executive-Vice President, or President's designee, of the College by the student appealing the grade or by the faculty delivering the grade. The written appeal must be submitted to the Executive-Vice President, or President's designee, within ten (10) weekdays of the receipt of notification of the Subcommittee's decision. The appeal consists of his/her review of the written record submitted to that point and does not consist of an additional hearing. The Executive-Vice President, or designee, will respond to the appeal within ten (10) weekdays.

Students dismissed from the clinical area in Allied Health and Nursing programs will follow the appeals process outlined in the program student handbook.

Satisfactory Progress Standards

Each student is expected to make satisfactory progress toward obtaining the degree or diploma he/she has declared. The cumulative grade point average is reviewed at the end of each semester to determine whether the student has made the expected progress. The minimum cumulative GPA for remaining in good standing is a 2.00.

Academic Warning, Probation and Suspension

Students whose cumulative grade point averages fall below 2.0 for any given semester will be placed on academic warning for the following semester. The notice of the warning will be sent to the students and their advisors. Students will be encouraged to see their advisors within the first ten days of the following semester.

Students on academic warning whose cumulative grade point average remains below the Satisfactory Progress Standards (2.00) will be placed on academic probation for the following semester. Students and their advisors will be notified of the academic probation.

In addition to meeting with their advisors, students on academic probation must meet with a counselor to develop a "Plan for Success" and receive a registration release prior to any registration period.

During the Fall and Spring semesters, students on academic probation may register for a maximum of ten (10) credit hours, unless otherwise determined by a counselor.

During the summer session, students on academic probation may register for one course per session but not more than two for the entire summer semester, unless otherwise determined by a counselor.

Students on academic probation whose cumulative grade point average remains below the Satisfactory Progress Standards (2.00) will be placed on academic suspension. Students on academic suspension may not register for academic classes during the period of suspension, unless otherwise determined by a counselor. Students on Academic Suspension who request approval to register from a counselor will be required to repeat courses in which they received failing grades (maximum of 6 credit hours per semester). Students will remain on academic suspension with limited credit hour enrollment until their cumulative GPA's reach 2.0.

Re-enrollment after Academic Suspension

Students may re-enroll after one semester of academic suspension by contacting a counselor to update their plan for improving academic performance. Students re-enrolling after academic suspension must follow the conditions required during academic probation.

Right of Appeal

The right of appeal is granted to any student who has been suspended from Cape Fear Community College. To initiate such an appeal, follow the process outlined in the Grievance Procedure (see page 53).

Cheating and Plagiarism

Cheating is any practice which gives one student a dishonorable advantage over another student engaged in the same or similar course of study. It shall include, but is not limited to the following: securing or giving assistance during examinations or on required work; the improper use of books, notes, or other sources of information; or the altering of any grade or academic record. Plagiarism includes submitting as one's own work or creation of any kind that which is wholly or in part created by another. All sources, including Internet content, whether paraphrased or quoted, must be cited correctly. Direct quotes must have quotation marks around them, or they are considered plagiarism even if the quote is correctly cited. Rearranging parts of author's sentences or substituting a few words is NOT paraphrasing and also constitutes plagiarism. When a faculty member observes cheating or acts of plagiarism on the part of the student, the case shall be handled in accordance with the following procedures:

1. The faculty member shall notify the student who has been observed cheating or plagiarizing that he/she will receive a grade of "F" on the assignment or "F" in the course. The faculty member, however, shall afford the student an opportunity to clarify his/her position. If the student accepts a grade of "F" on the assignment, the student may remain in the class. If the student accepts a grade of "F" in the course, the faculty member has the option of withdrawing the student from the class with a grade of "WF".

2. The faculty member shall submit a written report of the incident stating the facts and the action taken to the Department Chair, the Dean, and Vice President of Student Development within three (3) weekdays from the time the incident was discovered.

3. A student who considers the action taken to be unfair and who desires to appeal to the Academic Subcommittee of the Judicial Board, may present to the Vice President of Student Development a written request.

Right of Appeal

The right of appeal is granted to any student who has been determined to be cheating at Cape Fear Community College. To initiate such an appeal, the student must submit a written appeal to the Vice President of Student Development within five (5) weekdays after being notified of the action. The Vice President of Student Development will present the appeal to the Academic Subcommittee of the Judicial Board within five (5) weekdays.

The committee will notify the Vice President of Student Development of its decision. The Chairman of the Judicial Board will notify the student of the Committee's decision. The decision of the Academic Subcommittee of the Judicial Board shall be final with no further appeals.

Prerequisites and Corequisites

A prerequisite is a course that must be taken prior to another course. A corequisite is a course that must be taken at the same time as another course or prior to the course to be taken. The college may mandate prerequisites and corequisites to ensure students are prepared to meet the requirements of the course material. Pre and corequisites are identified in the catalog. Students are responsible for meeting their program requirements, including prerequisites and corequisites. If students sign up for a class and do not meet the pre and/or corequisite requirements they may be administratively dropped from the course.

Students who drop on their own or who are administratevly dropped after the first day of class and before the published refund date, are only eligible for a 75% refund. Students are advised to review published course prerequisites and corequisites carefully before enrolling.

Waiver of Prerequisites and Corequisites

The Vice President of Instruction and the academic Deans may waive pre and corequisites. Normally, a waiver will be recommended by the appropriate Department Chair and approved by the Dean who will keep the Vice Presidents of Instruction and Student Development informed of all waivers.

Catalog of Record

Students are expected to meet the catalog requirements in effect at the time of their enrollment into a curriculum program. Anyone not in continuous enrollment for more than one semester (not counting Summer) will be readmitted under the requirements of the current catalog. A student who changes programs must meet the requirements of the catalog in effect at the time of the change of program. A student's academic advisor can recommend substitution of courses with adequate cause. Substitutions must have written approval from the instructor, department chair, and the Dean.

Most courses can be counted for credit toward graduation for an indefinite period of time. Some courses that depend heavily on technology, speed and accuracy, physical skills, and language skills will be subject to review after five years unless the student has been continuously enrolled. Courses subject to review may include, but not limited to, keyboarding, computer, foreign languages, developmental, and trades courses.

Degree Audit (Program Evaluation)

Degree Audit is a tool for tracking graduation progress based on the student's catalog of record. Degree Audit can be accessed through WebAdvisor so that students, advisors, and counselors can follow their progress towards completion of a degree, diploma or certificate. Students can also use the system for "what if" scenarios when considering changing majors.

Requirements for Graduation

To receive the Associate in Applied Science Degree, Associate in Arts Degree, Associate in Science Degree, Diploma or Certificate, a student must maintain satisfactory grades in all laboratory and class subjects and a cumulative grade point average of at least 2.00. (Students must earn a minimum of 25 percent of credit hour requirements at Cape Fear Community College).

Computer Competency

All CFCC degree and diploma graduates must demonstrate basic computer competency. Students in programs not requiring specific computer competencies will be required to pass the Basic Computer Proficiency exercise offered through the Learning Lab (second floor, Health Sciences/Learning Resource Center Addition). Results will be forwarded to Student Development and added to the student's academic record prior to graduation. Students may acquire basic computer instruction by successfully completing the computer class that has been designated in their program.

College transfer students may demonstrate computer competency in one of the following ways: take a computer test in the Learning Lab, provided the student is already computer competent, or take a college transfer computer course, CIS 110, or CIS 115. CIS 111 may be used to satisfy the computer competency requirement, but it is not a College Transfer course

Intent to Graduate

Candidates for graduation must file an Intent to Graduate form and complete the Graduating Student Opinion Survey with the Admissions and Records Office by the following dates:

Academic Year 2011-2012
Fall - November 11, 2011
Spring - March 19, 2012
Summer - June 25, 2012

Commencement exercises are held following the Spring semester and at the end of the Summer session.

Students who graduate in December are invited to participate in the May commencement exercises.

Upon graduation, a student's eligibility for financial aid and veteran's benefits will end. Therefore, students must contact the Financial Aid and counseling offices if they plan to continue enrollment and receive aid in another program beyond graduation.

Graduation Needs

Orders for caps, gowns and class rings will be accepted by a company representative during announced dates. Students who anticipate graduating at the close of Spring or Summer academic sessions will be provided a limited number of commencement announcements. Students completing graduation requirements at the close of the Fall academic session will be invited to participate in the May ceremony.

Scholastic Honors

President's List

Full time (12 or more semester hours credit) students who have earned a grade point average of 4.00 will be placed on the President's List.

Dean's List

Full time (12 or more semester hours credit) students who have earned a grade point average of 3.50 with no grade lower than a "C" will be placed on the Dean's List.

Honors List

Part time (less than 12 semester hours and at least four semester hours) students who have earned a grade point average of 3.50 with no grade lower than a "C" will be placed on the Honors List.

President's Award

Graduating students who have achieved an "A" average, defined as a cumulative grade point average of 4.0, are recognized each year at graduation exercises for academic excellence.

(Courses numbered below the 100 level are not used to determine Scholastic Honors.)

Departmental Honors

Students who have demonstrated outstanding leadership, attitude and ability will be awarded Departmental Honors. Recipients for these awards are selected by lead instructors in cooperation with appropriate faculty.

Financial Aid

Cape Fear Community College administers Federal, State and institutional aid programs designed to assist students and their families in meeting the cost of obtaining a college education. These aid programs are intended to supplement available family resources, considered to be the primary source of educational funding.

Available Aid Programs

Federal Pell Grant The foundation of federal student financial aid, Pell Grants are awarded only to undergraduate students (those who have not earned a bachelor's or graduate degree) who demonstrate financial need.

Federal Supplemental Educational Opportunity Grant (FSEOG) Supplemental Grants are awarded to undergraduate students with exceptional financial need. Federal Pell Grant recipients receive priority for FSEOG awards.

Federal Work Study (FWS) Work-study awards provide part-time employment opportunities for eligible students to earn money to meet college expenses.

Federal Direct Stafford Loan The U.S. Department of Education provides the funding for student loans which are borrowed money that must be repaid with interest. Student must be enrolled in at least six credits each semester to be eligible. Returning student must have earned 30 credit hours to be eligible to borrow a second-year loan.

Federal Direct PLUS Loan PLUS loans are available to eligible parents of dependent students who are enrolled in at least six credits each semester. Parent loans are borrowed money that must be repaid with interest.

North Carolina Student Incentive Grant (NCSIG) This state grant is awarded to North Carolina residents enrolled as full-time students who demonstrate substantial financial need. Applications must be completed prior to March 15 to ensure consideration before NCSIG funding is exhausted.

North Carolina Community College Grant (NCCCG) This state grant provides funding to North Carolina residents enrolled in a community college who demonstrate limited or no eligibility for Federal Pell Grants.

North Carolina Education Lottery Scholarship (NCELS) This state grant provides assistance to needy NC resident students enrolled at least half-time. Eligibility is determined based on the same criteria as the Federal Pell Grant with one exception: students not eligible for the Federal Pell Grant with an estimated family contribution of $5000 or less will be eligible for an NCELS.

Institutional Scholarships Scholarships are awarded on the basis of financial need, academic excellence, special talent, or any combination thereof. A separate application is required.

Applying for Financial Aid

Apply for a PIN. The Personal Identification Number (PIN) is an electronic access code number that serves as a personal identifier. It will allow a student to apply online for federal and state financial aid and "sign" the application electronically – no paper is involved.
Go to www.pin.ed.gov anytime to request your PIN.

Complete the Free Application for Federal Student Aid (FAFSA). Go to www.fafsa.ed.gov to apply for financial aid. A "FAFSA on the Web" worksheet is available online to assist in completing the application.

Eligibility After Graduation

Upon graduation, a student's eligibility for financial aid and veteran's benefits will end. Therefore, students must contact the Financial Aid and Counseling offices if they plan to continue enrollment and receive aid in another program beyond graduation.

Financial Need and Expected Family Contribution (EFC)

Most federal and state financial aid is awarded based on need. An EFC number is used to determine financial need:

Cost of Attendance
- EFC
= Financial Need

The EFC is a measure of a family's financial strength and indicates how much of the family's resources should be available to help pay educational costs. The EFC is calculated from the information provided on the FAFSA according to a formula established by law.

Verification

Copies of federal tax returns and other documents may be required of financial aid applicants to verify the accuracy of the information submitted on the FAFSA. CFCC will notify applicants of documents required to complete the process upon receipt of FAFSA data.

Notification of Awards

Students will receive a notice announcing that the financial aid award has been processed.

Students who have been awarded Financial Aid, registered for classes, but do not attend at least once by the 10 percent date of the class will be dropped by the instructor as "never attended." Financial aid awards will be adjusted accordingly. No tuition and fee adjustments will be made.

Students who do not qualify for federal or state grant programs will be notified of their non-eligible status.

Satisfactory Academic Progress

Federal and state regulations require that students receiving financial aid must maintain satisfactory academic progress to be eligible to continue to receive funding. This policy applies to all students receiving assistance from any financial aid program administered by the Financial Aid Office at CFCC.

Qualitative and Quantitative Standards

Financial aid recipients must meet both a "qualitative" and a "quantitative" standard to maintain eligibility for financial aid. Students must maintain a cumulative 2.0 grade point average (GPA) to meet the qualitative standard. Students must also successfully complete 67 percent of all credits in which they enroll to meet the quantitative standard.

Maximum Time Frame

Federal regulations also establish 150 percent of the published length of the program as the maximum time frame allowed in which to complete an educational program. Information on maximum time frames allowed to complete each CFCC program, measured by credits attempted as a percentage of credits required for graduation, is available in the Financial Aid Office.

Students who fail to meet either the qualitative or quantitative standard, or both, will receive a warning notice. Students on warning are eligible to receive one semester of financial aid and are expected to use this period to reestablish satisfactory academic progress.

Students who fail to meet either standard for a second consecutive semester will receive a suspension notice. No financial aid will be awarded to a student on suspension until the student corrects the academic progress deficiencies.

It is the student's responsibility to monitor satisfactory academic progress as it relates to maintaining eligibility for financial aid. The Financial Aid Office assists with periodic measurement and notification to students who fail to meet the standards.

Appeal Process

The right to appeal is available to any student whose financial aid eligibility has been suspended because of failure to meet progression standards.

The student must submit a written appeal to the Director of Financial Aid within fifteen (15) business days of the start of the next academic term in which the student enrolls.

The Financial Aid Subcommittee of the Judicial Board will review the appeal within ten (10) business days. The student may choose to make his/her own presentation to the Subcommittee. A written request to do so must accompany the letter of appeal.

The student will be notified of the appeal decision. The decision of the Financial Aid Subcommittee of the Judicial Board is final and no further appeals are allowed.

Should the Appeals Committee make a determination to approve the student's Financial Aid appeal, future calculation of satisfactory academic progress begins at the point in time of the approval. Only one approved appeal will be allowed during a student's academic career at CFCC, however, in highly unusual circumstances, a second appeal letter with attached supporting documentation can be submitted for consideration.

Return of Federal Funds

Regulations governing the administration of financial aid require a recalculation of aid eligibility for federal aid recipients who withdraw from all classes prior to the end of a semester. This recalculation is required regardless of the reason for the total withdrawal and differs from CFCC's general refund policy. Additional information is available in the Financial Aid Office.

Tuition/Fees/Books

Students who are eligible for financial aid can charge their tuition, fees and books up to the amount of their awards. If the amount of financial aid received is less than tuition, fees, and books, the student is required to pay the remaining balance at the time of registration or purchase of books.

Students who have been awarded financial aid, registered for classes, but do not attend at least once by the 10 percent date of the class will be dropped by the instructor as "never attended." Financial aid awards will be adjusted accordingly. No tuition and fee adjustments will be made.

Students will receive a check for the excess amount of financial aid remaining in their account following the payment of tuition, fees and books. It is the student's responsibility to make certain that the mailing address on file with CFCC is correct to avoid delays in delivery of refund checks.

Foundation Scholarships

Student scholarships are established through donations to the CFCC Foundation. Criteria for scholarships are specified by a donor in collaboration with Foundation staff, ensuring the most efficient use of the donation while helping as many students as possible.

The Foundation establishes endowed and non-endowed scholarships. Endowed scholarships are generated through the investment of permanently held principals from which only the interest is used. Non-endowed scholarships are those from which all funds are dispersed as scholarships rather than as long-term investments. These scholarships are commonly referred to as "pass-through" scholarships.

Merit Scholarships

Many outstanding local high school students want to attend CFCC. To assist them, the CFCC Foundation awards ten Merit Scholarships annually to deserving New Hanover and Pender County seniors who exhibit academic excellence. To qualify for a CFCC Merit Scholarship, you must:

- Be a current high school senior
- Have applied for or been approved to enroll in CFCC in a curriculum program
- Submit a letter of recommendation from your high school principal, guidance counselor, or a high school teacher
- Demonstrate academic potential through high school grades, rank in class, and/or aptitude test results
- Be a US citizen or documented alien

Consideration will be given for non-school activities, work experience and community service. To apply for a Merit Scholarship, students should see their high school counselor or download an application from the Foundation website – www.cfcc.edu/foundation.

The CFCC Financial Aid Office administers scholarships to CFCC students. Students should contact the Financial Aid office for applications, forms and specific information (910-362-7338). Scholarships are subject to change without notice.

Please visit the Foundation website at
www.cfcc.edu/foundation
for scholarship applications and additional information

Cape Fear Community College
Foundation Scholarships

Scholarships for any program of study:

Adult High School Academic Need Scholarship

Programs:	Any
Minimum GPA:	2.0
Preference:	A student serious about his/her studies at CFCC. Must be CFCC AHS graduate

CAPE FEAR COMMUNITY COLLEGE

Air Wilmington / William S. Cherry Endowed Scholarship
Programs: Any
Minimum GPA: 2.5
Preference: None

Kathleen and Tom Barber Endowed Scholarship
Programs: Any
Minimum GPA: 2.0
Preference: Financial need

Blue Ribbon Commission Youth Enrichment Zone Scholarship
Programs: Any
Minimum GPA: 2.0
Preference: Students must live in Youth Enrichment Zone; students currently serving on Youth Council of Youth Enrichment Zone

Vivian Boykin Scholarship
Programs: Any
Minimum GPA: 2.5
Preference: Students who do not qualify for federal aid; interested in teaching or couseling

Dan Cameron Family Foundation / Community Boys and Girls Club
Programs: Any
Minimum GPA: 2.0
Preference: Students to be a part of an approved by Community Boys and Girls Club

Cape Fear Community College Foundation Merit Scholarship
Programs: Any
Minimum GPA: 3.0
Preference: New Hanover and Pender County high school seniors who demonstrate academic excellence and are active in their schools and communities

Cape Fear Fair and Expo Scholarship
Programs: Any
Minimum GPA: 2.5
Preference: None

Cape Fear Lion's Club Hugh and Carmen Revis Memorial Scholarship
Programs: Any
Minimum GPA: 2.5
Preference: Sight or hearing impaired graduate of a New Hanover County public or private high school or resident of New Hanover County

CJB Foundation Endowed Scholarship
Programs: Any
Minimum GPA: 2.0
Preference: N/A

William A. Clark Memorial - Wilmington East Rotary Club Endowed Scholarship
Programs: Any
Minimum GPA: 2.0
Preference: Students who plan to enter the legal profession

Coast Guard Endowed Scholarship
Programs: Any
Minimum GPA: 2.5 (High school GPA can be used to qualify)
Preference: Any person who has served honorably in the USCG, their spouse, child or randchild; if no eligible USCG person, anyone who served honorably in the Armed forces - Navy, Army, Air Force, Marines or National Guard - their spouse, children, or grandchildren

Daisy Currie Scholarship
Programs: Any
Minimum GPA: 2.5
Preference: None

Windell Daniels Public Housing and Section 8 Memorial Scholarship
Programs: Any
Minimum GPA: 2.5
Preference: Verification of residency with Wilmington Housing Authority or Section 8 Housing; must be high school graduate or equivalent; must include approval from WHA representative

Pete and Terry DeVita Endowed Scholarship
Programs: Any
Minimum GPA: 2.0
Preference: Students from Navassa

Domino's Scholarship
Programs: Any
Minimum GPA: 2.5
Preference: Student athletes

Dr. Hubert A. Eaton, Sr. Endowed Academic Scholarship
Programs: Any
Minimum GPA: 2.0
Preference: Financial Need

Mr. and Mrs. Herbert T. Fisher Endowed Scholarship
Programs: Any
Minimum GPA: 2.5
Preference: None

Carrie Hardy Gardner and Leah Miller Goldberg Memorial Endowed Scholarship
Programs: Any
Minimum GPA: 2.0
Preference: Single mothers

GoGas Scholarship
Programs: Any
Minimum GPA: 3.0
Preference: GoGas employees, dependents and spouses

Bill Hales Memorial Golf Scholarship
Programs: Any
Minimum GPA: 2.5
Preference: Must be member of CFCC golf team

James and Nancy Harting Endowed Scholarship
Programs: Any
Minimum GPA: 2.5
Preference: Financial need

Susan H. and John E. Homestead Endowed Scholarship
Programs: Any
Minimum GPA: 2.5
Preference: Financial Need

Dorothy Ann Hungerford Endowed Scholarship
Programs: Any
Minimum GPA: 2.0
Preference: Help for domestic violence victims with children

George Henry Hutaff Memorial Endowed Scholarship
Programs: Any
Minimum GPA: 2.5
Preference: None

Interroll Corporation Endowed Scholarship
Programs: Any
Minimum GPA: 2.0
Preference: Interroll employees and dependents

Intracoastal Realty Scholarship
Programs: Any
Minimum GPA: 2.5
Preference: New Hanover, Pender or Brunswick County residents with financial need

David Jones Endowed Scholarship
Program: Any
Minimum GPA: 2.0
Preference: Lived at Boys/Girls Home of Lake Waccamaw, NC or are in CFCC Athletic Program

Robert A and Eleanor M. Keith Endowed Scholarship
Programs: Any
Minimum GPA: 2.5
Preference: New Hanover High School graduate; financial need

Kiwanis Club of Wilmington Scholarship
Programs: Any
Minimum GPA: 2.0
Preference: None

Landfall Foundation Scholarship
Programs: Any
Minimum GPA: 2.5
Preference: Landfall employees working at least 15 hours/week

Thera Ann Lanier Memorial Endowed Scholarship
Programs: Any
Minimum GPA: 2.0
Preference: Students with learning or ambulatory difficulties or students training to work with these difficulties

James W. Lea III Endowed Scholarship
Programs: Any
Minimum GPA: 2.5
Preference: None

Leaders of Tomorrow Endowed Scholarship
Programs: Any
Minimum GPA: 2.5
Preference: Demonstrated leadership/service

Estell C. Lee Endowed Scholarship
Programs: Any
Minimum GPA: 2.5
Preference: None

L.L. Building Products Endowed Scholarship
Programs: Any
Minimum GPA: 2.0
Preference: L.L. Building employees and dependents

Louise F. McColl Endowed Scholarship
Programs: Any
Minimum GPA: 2.0
Preference: Must be a dependent of a full-time City of Wilmington employee or dependent; eligibility determined by City of Wilmington HR Dept. If no City of Wilmington employees available, preference is to CFCC Athletes

Tabitha Hutaff McEachern Endowed Scholarship
Programs: Any
Minimum GPA: 2.5
Preference: None

Brenda Moore Native American Scholarship
Programs: Any
Minimum GPA: 2.0
Preference: Documentation of Native American heritage

Eric and Bernetta McKeithan Endowed Scholarship
Programs: Any
Minimum GPA: 2.0
Preference: Financial need that exceeds grant threshold, good academic and disciplinary standing

Janet H. Monterose Endowed Scholarship
Programs: Any
Minimum GPA: 2.0
Preference: Single Parent

Linda and Reid Murchison Endowed Scholarship
Programs: Any
Minimum GPA: 2.5
Preference: Financial Need

Sandra W. Murphy Family Foundation Endowed Scholarship
Programs: Any
Minimum GPA: 2.0
Preference: Completed high school

Pauline and Edward Nesselroade Endowed Scholarship
Programs: Any
Minimum GPA: 2.5
Preference: Physically disadvantaged students

Pamela H. Patterson Scholarship
Programs: Any
Minimum GPA: 2.0
Preference: None

Ratcliffe-Richardson Scholarship
Programs: Any
Minimum GPA: 3.0
Preference: Single parent

Matthew Francis Recko Memorial Endowed Scholarship
Programs: Any
Minimum GPA: 2.0
Preference: Student in St. John’s Episcopal Church youth group or Hoggard High School graduate

Regent Securities Services Scholarship
Programs: Any
Minimum GPA: 2.8
Preference: Regent Security Services employees, children or grandchildren

Robert S. and Jennifer J. Rippy Endowed Scholarship
Programs: Any
Minimum GPA: 2.5
Preference: None

Rising Tide Endowed Scholarship
Programs: Any
Minimum GPA: 2.0
Preference: Students endorsed by Executive Director or Board of Good Shepherd Center

Edward Rolquin Scholarship
Programs: Any
Minimum GPA: 2.0
Preference: None

George and Sylvia Rountree Endowed Scholarship
Programs: Any
Minimum GPA: 2.5
Preference: High school athlete, preferably in a varsity sport; financial need; may be considered for second year if they maintain a 2.5 GPA

Sharon H. Sanders Memorial Endowed Scholarship
Programs: Any
Minimum GPA: 3.0
Preference: Topsail High School graduates, financial need

Joseph M. and Barbara S. Schwartz Endowed Academic Scholarship
Programs: Any
Minimum GPA: 2.5
Preference: Student athletes in good standing with NJCAA eligibility requirements

Sea Devil Athletic Scholarship
Programs: Any
Minimum GPA: 2.0
Preference: Student athletes in good standing with NJCAA eligibility requirements

TFT & Co. - Terry Turner Scholarship
Programs: Any
Minimum GPA: 2.0
Preference: None

Madeline Trask Endowed Scholarship
Program: Any
Minimum GPA: 3.0
Preference: Women’s soccer or women’s volleyball

Vietnam Veterans of America Wilmington Chapter 885
Programs: Any
Minimum GPA: 3.0
Preference: Direct relative of a Vietnam-era service member

Vincent Family Endowed Scholarship
Programs: Any
Minimum GPA: 2.5
Preference: Students from Navassa; single parents; affiliation with Community Girls and Boys Club

George H. West Memorial Endowed Scholarship
Programs: Any
Minimum GPA: 2.0
Preference: None

Wieland, Inc. Endowed Scholarship
Programs: Any
Minimum GPA: 2.5
Preference: Wieland employees and dependents

Wilmington Cape Fear Rotary Club Endowed Scholarship
Programs: Any
Minimum GPA: 2.5
Preference: Students recommended by Wilmington Cape Fear Rotary Club; financial need; residents of New Hanover County

Wilmington East Rotary Club / Diamond Endowed Scholarship
Programs: Any
Minimum GPA: 2.0
Preference: Resident of New Hanover, Pender or Brunswick County for five years

Wilmington Elks Lodge - BPO Elks # 532 Scholarship
Programs: Any
Minimum GPA: 2.5
Preference: Resident of New Hanover County

Wilmington Rotary Club Scholarship
Programs: Any
Minimum GPA: 3.0
Preference: Must have demonstrated academic merit, leadership skills and possess good character; financial need

Wilmington West Rotary Club Endowed Scholarship
Programs: Any
Minimum GPA: 2.0
Preference: Resident of New Hanover, Pender or Brunswick County for five of past seven years with financial need

Linda Wilson Endowed Scholarship
Programs: Any
Minimum GPA: 2.5
Preference: Returning students and students who are parents

Zimmer Development Company Endowed Scholarship
Programs: Any
Minimum GPA: 2.5
Preference: Full time student

Scholarships for any College Transfer program of study:

Janet Adams Psychology Scholarship
Programs: Social and Behavioral Sciences books
Minimum GPA: 2.0
Preference: Must be enrolled in PSY 150 and currently meeting all course requirements

Cape Fear Community College Faculty Association Endowed Scholarship
Programs: Two-year Associate Degree
Minimum GPA: 3.5
Preference: Students who have completed 30 semester hours

Charles E. and Susan P. Crowell Endowed Scholarship
Programs: Associate of Applied Science or diploma programs
Minimum GPA: 2.0
Preference: Graduated from high school or received GED in New Hanover or Pender County with financial need

Dora Davidson Memorial Endowed Scholarship
Programs: College Transfer
Minimum GPA: 3.0
Preference: Second year students with disabilities interested in teaching

Hadley Greyson Science Scholarship
Programs: College Transfer
Minimum GPA: 2.8
Preference: Complete 12 hrs; student interested in science related career

Dr. John L. Leonard Family Endowed Scholarship
Programs: College transfer
Minimum GPA: 2.0
Preference: Students planning to pursue 4-year degree

Virginia M. Martin Memorial Scholarship
Programs: College Transfer
Minimum GPA: 3.5
Preference: None

Jack and Judi McGarrie Scholarship
Programs: Art, Music
Minimum GPA: 2.0
Preference: Good academic standing, talented and need-based

Dorothy B. Reid Endowed Scholarship
Programs: Ceramics
Minimum GPA: 3.0
Preference: Second level or higher Ceramics student

Clint B. Robertson Endowed Memorial Scholarship
Programs: College Transfer
Minimum GPA: 3.0
Preference: Second year student, graduate of New Hanover or Pender County schools, public or private

Root Family Endowed Scholarship
Programs: Engineering or other College Transfer; Science leading to undergraduate degree in Engineering
Minimum GPA: 3.0
Preference: Financial need, above average math and science grades, first in family to pursue higher education

Gwendolyn V. Sasser Memorial Scholarship
Programs: Any two-year Associate Degree in education or social work
Minimum GPA: 3.0
Preference: Must have documented financial need - can be a student who is working and does not meet Pell Grant requirements

Sidney J. Stern, Jr. Memorial Endowed Scholarship
Programs: Social and Behavioral Sciences
Minimum GPA: 3.0
Preference: Second semester students; must have recommendation of instructor; must have completed 24 credit hours

Mabel Dunn Hall Trask Endowed Scholarship
Programs: College Transfer
Minimum GPA: 3.0
Preference: Second year students

Allan and Laura Wilson Endowed Scholarship
Programs: College Transfer
Minimum GPA: 3.0
Preference: Second year students who are residents of New Hanover, Pender or Brunswick Counties

Scholarships for Accounting, Business and related programs:

Alexander-Harrington Merit Scholarship
Programs: Business and Marine Technology
Minimum GPA: 3.0
Preference: Excelled academically in high school

Deborah Grizzle Britt Memorial Endowed Scholarship
Programs: Business or Accounting related
Minimum GPA: 2.5
Preference: Second semester student who is a New Hanover or Pender County resident

Joyce J. Buffaloe Endowed Scholarship
Programs: Nursing and Accounting (alternating years)
Minimum GPA: 2.5
Preference: New Hanover and Pender County residents; must have completed one year of study

Cape Fear Bank / Windell Daniels Memorial Endowed Scholarship
Programs: Business
Minimum GPA: 2.5
Preference: None

Joe D. and Doris W. Eakes Endowed Scholarship
Programs: Business, Nursing, Vocational
Minimum GPA: 2.5
Preference: Required reading of *Pay It Forward*

First Citizens Bank and Trust Company Endowed Scholarship
Programs: Business-related
Minimum GPA: 2.0
Preference: May include internship with First Citizens

Peterson Family Scholarship
Programs: Accounting, Business Admin, or Computer Tech
Minimum GPA: 3.0
Preference: None

Jeff Petro Entrepreneurship Scholarship
Programs: Business, Small Business emphasis
Minimum GPA: 2.5
Preferences: None

Kathy Potter Garris Endowed Scholarship
Programs: Office Systems Technology
Minimum GPA: 3.0
Preference: Financial need

June Mumford Memorial Endowed Scholarship
Programs: Business
Minimum GPA: 2.5
Preference: Second year students

North Carolina Association of CPAs
Programs: Accounting, Bookkeeping
Minimum GPA: 3.0
Preference: None

RBC Centura Bank Endowed Scholarship
Programs: Business
Minimum GPA: 2.0
Preference: None

Regions Bank / Morgan Keegan Endowed Scholarship
Programs: Business, Finance, Banking
Minimum GPA: 2.5
Preference: New Hanover, Pender, or Brunswick County students

J. Fred Rippy III Endowed Scholarship
Programs: Business or Automotive
Minimum GPA: 2.0
Preference: None

Daniel A. and Sheila M. Saklad Endowed Scholarship
Programs: Nursing and Business Administration
Minimum GPA: 2.5
Preference: Employed one year or more by Country Club of Landfall or Landfall Property Owners Association

Verizon Wireless Endowed Scholarship
Programs: Business Administration, Accounting, or Customer Service
Minimum GPA: 2.5
Preference: None

Wilmington Association of Independent Insurance Agents Endowed Scholarship
Programs: Business
Minimum GPA: 2.5
Preference: Financial Need

Wilmington Downtown, Inc.
Programs: Architectural Technology, Business Administration, Culinary, Film/Video, Marine Technology, and Mechanical Engineering, Computer Engineering
Minimum GPA: 2.5
Preference: None

Scholarships for Allied Health, Dental, Nursing, Radiography, and Health Related programs:

AARP Chapter 707 Endowed Scholarship
Programs: Nursing
Minimum GPA: 2.5
Preference: None

Mark Alper Scholarship
Programs: Nursing
Minimum GPA: 2.5
Preference: Financial need

Babies Hospital Foundation Scholarship
Programs: Nursing:
Minimum GPA: 2.0
Preference: Financial need

Annie Bannerman Scholarship
Programs: Nursing
Minimum GPA: None specified
Preference: Recipient will be chosen by Annie Bannerman

Bradley Creek Homemakers Club Endowed Scholarship
Programs: Nursing
Minimum GPA: 2.5
Preference: Second year student with financial need

Joyce J. Buffaloe Endowed Scholarship
Programs: Accounting and Nursing (alternating years)
Minimum GPA: 2.5
Preference: Second year student who is a New Hanover or Pender County resident

Louise Oriole Burevitch Endowed Scholarship
Programs: Allied Health
Minimum GPA: 2.0
Preference: Based on financial need and the recommendation of the Director of the Allied Health program

George and Ruth Caplan Endowed Scholarship
Programs: Nursing
Minimum GPA: 3.0
Preference: Second year students

Neill and Linda Currie Scholarship
Programs: Nursing
Minimum GPA: 2.5
Preference: None

Delaney Radiologists Endowed Scholarship
Programs: Radiography
Minimum GPA: 3.0
Preference: Second year students from New Hanover County

Sandra Z. DuMond Scholarship
Programs: LPN going on to RN
Minimum GPA: 2.5
Preference: None

Joe D. and Doris W. Eakes Endowed Scholarship
Programs: Business, Nursing and Vocational
Minimum GPA: 2.5
Preference: Required reading of *Pay It Forward*

Elite Estate Management Educational Scholarship
Programs: Dental Hygiene
Minimum GPA: 3.0
Preference: None

Brian Fineman / W. Troy Humphrey Scholarship
Programs: Allied Health, BLET, EMS, Firefighting
Minimum GPA: 2.0
Preference: Second semester student demonstrating progress and recommended by instructor

Katherine S. Finley Endowed Scholarship
Programs: Certified Nursing Assistant
Minimum GPA: 2.0
Preference: Second semester student who has passed Test 1A and has demonstrated community service (recommendation from Nurse Aid Level 1 instructor)

Forty and Eight of the American Legion Endowed Scholarship
Programs: Registered Nursing
Minimum GPA: 2.0
Preference: New Hanover, Pender, Brunswick, or Columbus County resident for past five years

Hanover Medical Specialists
Programs: Nursing
Minimum GPA: 2.0
Preference: Most deserving students; determined by faculty

Jim and Pat Hickmon Pharmacy Technology Endowed Scholarship
Programs: Pharmacy Technology
Minimum GPA: 2.5
Preference: Second semester student

Jean King Memorial NC Sorosis Scholarship
Programs: ADN Nursing
Minimum GPA: 2.5
Preference: Female students (see any program)

David Jones Endowed Nursing Scholarship
Programs: Nursing
Minimum GPA: 2.5
Preference: Financial need

Stephanie Griffin Kennedy Memorial Endowed Scholarship
Programs: Nursing
Minimum GPA: 2.0
Preference: Second year student; selection by CFCC nursing faculty

Dr. and Mrs. Adrian S. Lineberger, Jr. in Honor of Susan Vinson-Greene Endowed Scholarship
Programs: Allied Health
Minimum GPA: 2.5
Preference: None

Lynette Howryla Messick Memorial Endowed Scholarship
Programs: Health-related
Minimum GPA: 2.7
Preference: Student with demonstrated financial need

Dr. Martin Meyerson and Deborah Brasic Endowed Scholarship Fund
Programs: Radiography
Minimum GPA: 2.5
Preference: Radiation Therapy or Oncology

Ministering Circle Scholarship
Programs: Nursing - RN, Sonography, Radiography
Minimum GPA: 2.0
Preference: Students with scholastic ability and financial need who plan to be in health care in New Hanover County. Must be approved by Nursing chair

National Association of Retired Federal Employees (NARFE) Endowed Scholarship
Programs: Nursing and/or healing arts
Minimum GPA: 2.0
Preference: None

Jessie Harper Newbold Endowed Memorial Scholarship
Programs: Nursing
Minimum GPA: 2.0
Preference: LPN students

New Hanover Regional Medical Center Auxiliary Scholarship
Programs: Nursing-RN or LPN; Radiography, Allied Health, Sonography
Minimum GPA: 2.5
Preference: Resident of New Hanover or Pender County

North Carolina Sorosis Scholarship
Programs: Any
Minimum GPA: 2.5
Preference: New Hanover and Pender County female high school seniors who demonstrate academic excellence and are active in their schools and communities

Rosalie P. Owens Memorial Endowed Scholarship
Programs: Allied Health
Minimum GPA: 2.5
Preference: Single female head-of-household who has completed one semester; Pender County resident

Adriana M. Perpall Endowed Scholarship
Programs: Nursing
Minimum GPA: 2.0
Preference: None

Dr. William P. and Maryann Robison Endowed Scholarship
Programs: Allied Health
Minimum GPA: 2.5
Preference: None

Daniel A. and Sheila M. Saklad Endowed Scholarship
Programs: Business Administration and Nursing
Minimum GPA: 2.5
Preference: None

Willie Stargell Foundation Endowed Scholarship
Programs: Nursing
Minimum GPA: 2.5
Preference: Must have documented interest in caring for patients with renal problems and complications

Jay and Robin Taylor Endowed Scholarship in Honor of Stephen and Jay Taylor
Programs: Radiography/Sonography
Minimum GPA: 2.5
Preference: None

Tinsley Family Scholarship
Programs: Nursing
Minimum GPA: 3.0
Preference: None

Agnes M. Torrella Memorial Endowed Scholarship
Programs: Nursing
Minimum GPA: 2.5
Preference: Humanitarian with volunteer experience not receiving other scholarship aid

Tri-County Dental Society Scholarship
Programs: Dental Hygiene/Assisting
Minimum GPA: 2.0
Preference: Student with demonstrated financial need

Margaret King Vinson Endowed Scholarship
Programs: Allied Health, Nursing
Minimum GPA: 2.5
Preference: Allied Health or nursing student

James Walker Nurses Alumnae Endowed Scholarship
Programs: Nursing
Minimum GPA: 2.5
Preference: Financial need

Harper Beall Williams Memorial Scholarship
Programs: Nursing
Minimum GPA: 2.0
Preference: Financial need

Valdosia J. Williams Scholarship
Programs: Nursing
Minimum GPA: 2.5
Preference: None

Wilmington Health Associates
Programs: LPN, RN, Radiography, Sonography
Minimum GPA: 2.5
Preference: None

Wilmington Woman's Club Nursing Scholarship
Programs: Nursing
Minimum GPA: 2.0
Preference: Second year students

Emma W. Wrede Memorial Scholarship
Programs: Allied Health
Minimum GPA: 2.5
Preference: Must be working toward certificate, diploma, or degree in healthcare field

Scholarships for Architecture, Drafting and Design, Construction, Engineering, Electronics and related programs:

Robert C. Andrews, Jr. Memorial Endowed Scholarship
Programs: Architectural Technology, Engineering, Interior Design
Minimum GPA: 2.5
Preference: Second semester students

Autumn Hall Endowed Scholarship
Programs: Architectural, Mechanical Engineering, Drafting and Design, Light Construction
Minimum GPA: 3.0
Preference: None

William J. Boney Memorial Endowed Scholarship
Programs: Architectural Technology, Drafting and Design
Minimum GPA: 2.0
Preference: New Hanover County residents

Reverend Richard Edward Brown Memorial Scholarship
Programs: Mechanical Engineering
Minimum GPA: 3.0
Preference: None

Cape Fear Paving Scholarship
Programs: Architectural, Carpentry, Drafting, Electronic Engineering, Industrial Systems, Light Construction, Machining, Mechanical Engineering, Welding
Minimum GPA: 2.0
Preference: Employees of Cape Fear Paving; open to citizens of New Hanover and Pender Counties

Chloride Safety Systems Endowed Scholarship
Programs: Drafting and Design, Electronics, Engineering Technology
Minimum GPA: 2.8
Preference: Second year students; Chloride Safety Systems employees and dependents, full time students

Clancy & Theys Endowed Scholarship
Programs: Architectural, Carpentry, Drafting, Electric and Electronic, Interior Design, Masonry, Welding
Minimum GPA: 2.0
Preference: None

John S. Clark Company Scholarship
Programs: Architectural Technology, Carpentry, Drafting, Electrical/Electronics Technology, Interior Design, Welding Technology
Minimum GPA: 2.5
Preference: None

James A. Claywell AIA Architectural Endowed Scholarship
Programs: Architectural, Drafting and Design
Minimum GPA: 2.5
Preference: New Hanover and Pender County residents

Corning Incorporated Foundation Endowed Scholarship
Programs: Computer Engineering, Electronics Engineering Technology with Instrumentation concentration, Engineering Education
Minimum GPA: 2.5
Preference: Must have completed one year of study; prefer women or under-represented engineering students

Fenner Drives Scholarship
Programs: Machining and Mechanical Engineering
Minimum GPA: 2.5
Preference: Fenner Drives employees or dependents

Bobby W. Harrelson Endowed Scholarship
Programs: Construction, Development
Minimum GPA: 2.5
Preference: Students in financial need who are unable to receive federal grants; students interested in construction and land development as a career

MCBH Engineers Endowed Scholarship in Honor of Brian P. Buss
Programs: Mechanical, Electrical, Computer Engineering
Minimum GPA: 2.5
Preference: None

McKenzie-Baker Interiors Scholarship
Programs: Interior Design
Minimum GPA: 2.5
Preference: Students studying Interior Design

McKinley Building Corporation Endowed Scholarship
Programs: Construction Management
Minimum GPA: 2.5
Preference: McKinley Building employees and families

Napoleon Jerome Owens, Sr. Memorial Endowed Scholarship
Programs: Electrical/Electronics, Mechanical, Vocational/Technical
Minimum GPA: 2.5
Preference: Second semester students who are New Hanover County residents

Barbara Von Philp Scholarship
Programs: Chemical Technology
Minimum GPA: 3.5
Preference: Non-traditional female student possibly with children

Progress Energy Scholarship
Programs: Electrical/Electronics, Electronics Engineering, Industrial Maintenance Technology
Minimum GPA: 3.0
Preference: Second year students recommended by instructors

Richard Palmer Reagan Construction Management Endowed Scholarship
Programs: Construction Management
Minimum GPA: 2.5
Preference: Non-traditional student from southeast North Carolina; sensitive to environmental and protective practices

Root Family Endowed Scholarship
Programs: Engineering or other College Transfer Science leading to undergraduate degree in Engineering
Minimum GPA: 3.0
Preference: Financial need, above average math and science grades, first in family to pursue higher education

W. Mercer Rowe, Jr. Endowed Scholarship
Programs: Electronics Engineering Technology
Minimum GPA: 2.5
Preference: Second year student recommended by instructors; Exhibits willingness to participate and help others in class

Sharpe Architecture Endowed Scholarship
Programs: Architectural Technology
Minimum GPA: 3.0
Preference: New Hanover County schools graduate

Joel Spencer Scholarship
Programs: Machining and Mechanical Engineering
Minimum GPA: 3.0
Preference: Second semester student with financial need

USS North Carolina (SSN777) Endowed Scholarship
Programs: Engineering, Marine Science
Minimum GPA: 2.5
Preference: Recipient and departments must correspond with crew of the SSN777 submarine

Thurman Watts Book Scholarship
Programs: Construction Management or other construction-related curriculum
Minimum GPA: 2.5
Preference: None

Wallace & Virginia West Endowed Scholarship / Wilmington Contractors Association
Programs: Construction-related fields
Minimum GPA: 2.0
Preference: None

Wilmington Downtown, Inc.
Programs: Architectural Technology, Business Administration, Culinary, Film/Video, Marine Technology, Mechanical Engineering
Minimum GPA: 2.5
Preference: None

Wilmington Cape Fear Homebuilders Association Scholarship
Programs: Light Construction, Vocational related to construction
Minimum GPA: 2.0
Preference: Students who plan to enter the building profession

Don Yoder Memorial Engineering Endowed Scholarship
Programs: Architectural, Chemical, Computer Engineering, Electronics Engineering, Instrumentation, Machining, Mechanical Engineering
Minimum GPA: 4.0
Preference: Second year student

Scholarships for Culinary, Hotel/Restaurant Management:

Carolina Ale House Scholarship
Programs: Hotel/Restaurant Management
Minimum GPA: 2.0
Preference: None

Diamond Foods Enterprises, Inc. Endowed Scholarship
Programs: Culinary and Hotel/Resturant Management
Minimum GPA: 2.0
Preference: New Hanover, Pender or Brunswick County residents for past five years

Epicurean Scholarship
Programs: Culinary
Minimum GPA: 2.7
Preference: Second year student with financial need

Hilton Wilmington Riverside Scholarship
Programs: Culinary and Hotel/Restaurant Management
Minimum GPA: 2.5
Preference: None

Bennett Lewis and Jacobi-Lewis Company Scholarship
Programs: Culinary Technology
Minimum GPA: 2.5
Preference: Need-based; selected by lead instructor in Culinary Technology program

Jeff Petro Hotel and Restaurant Management/Culinary Scholarship
Programs: Hotel/Restaurant Mangement and Culinary
Minimum GPA 2.5
Preference: Essay required

Pineapple Scholarship
Programs: Culinary Technology
Minimum GPA: 3.0
Preference: Second semester student

Wilmington Downtown, Inc.
Programs: Architectural Technology, Business Administration, Culinary, Film/Video, Marine Technology
Minimum GPA: 2.5
Preference: None

Scholarships for Early Childhood Education:

Bekaert Family Endowed Scholarship
Programs: Early Childhood
Minimum GPA: 2.5
Preference: Working student who does not qualify for federal financial aid

Wilmington Woman's Club Early Childhood Education Scholarship
Programs: Early Childhood Education
Minimum GPA: 3.0
Preference: Declared Early Childhood Education major who has completed 6 semester hours in Early Childhood Education and required English and math courses

Scholarships for Landscape Gardening:

Cape Fear Garden Club Endowed Scholarship
Programs: Landscape Gardening
Minimum GPA: 2.5
Preference: None

Hampstead Garden Club Scholarship
Programs: Landscape Gardening
Minimum GPA: 3.0
Preference: Second year student who is Pender County resident with financial need

Hobby Greenhouse Club Scholarship
Programs: Landscape Gardening
Minimum GPA: 2.5
Preference: None

Wilmington Cape Fear Rose Society Scholarship
Programs: Landscape Gardening
Minimum GPA: 2.5
Preference: None

Scholarships for Marine Technology:

Alexander-Harrington Merit Scholarship
Programs: Business, Marine Technology
Minimum GPA: 3.0
Preference: Excelled academically in high school

Wilber W. Kirk - LaQue Endowed Scholarship
Programs: Marine Technology
Minimum GPA: 2.0
Preference: Second-year students; selected by Marine Technology department

David Lindquist - Marine Biology Scholarship
Programs: Marine Technology
Minimum GPA: Not specified
Preference: Full-time student; second year MT student; awarded to top MT student; selection determined by MT/Marine Biology instructor

Robert J. Philpott Boat Building Endowed Scholarship
Programs: Boat Building
Minimum GPA: 2.5
Preference: Student selection made through a committee of the lead boat building instructor, MT department chair, and an at-large selection from the CFCC faculty

Riverfest / Ava M. Hobbs Endowed Scholarship
Programs: Marine Technology
Minimum GPA: 2.75
Preference: Selected by Marine Technology department

Capt. Richie Spears Memorial Endowed Scholarship
Programs: Marine Technology
Minimum GPA: 2.0
Preference: Student who excels in boat-handling, navigation and cruises

James and Julia Tommerdahl Endowed Scholarship
Programs: Marine Technology
Minimum GPA: 2.0
Preference: Selected by Marine Technology department

USS North Carolina (SSN777) Endowed Scholarship
Programs: Marine Science and Engineering
Minimum GPA: 2.5
Preference: Recipient and departments must correspond with crew of the SSN777 submarine

Lloyd Dixon Hollingsworth "Beau" Watkins II Memorial Endowed Scholarship
Programs: Marine Technology
Minimum GPA: 2.5
Preference: Selected by Marine Technology department

Wilmington Downtown, Inc.
Programs: Architectural Technology, Business Administration, Film/Video, Marine Technology, Mechanical Engineering
Minimum GPA: 2.5
Preference: None

Scholarships for other Vocational and Technical programs:

Shirley Hart Berry Scholarship for Women in Non-Traditional Fields
Programs: Auto Body and Auto Mechanics, Electrical/Electronics, Electronics Engineering, HVAC, Light Construction, Marine and Diesel Mechanics, Marine Propulsion, Truck Driving, Welding
Minimum GPA: 2.5
Preference: Area female students enrolled in non-traditional fields; women of color are encouraged to apply

Blanchard Machinery Scholarship
Programs: Heavy Equipment and Transportation
Minimum GPA: 2.0
Preference: Instructor specified

Cape Fear Community College Faculty Association Endowed Scholarship
Programs: Two-year Associate Degree
Minimum GPA: 3.5
Preference: Students who have completed 30 semester hours

Charles E. and Susan P. Crowell Endowed Scholarship
Programs: Associate of Applied Science or diploma programs
Minimum GPA: 2.0
Preference: Graduated from high school or received GED in New Hanover or Pender County with financial need

Donald E. Crowell Memorial Endowed Scholarship
Programs: Vocational/Technical
Minimum GPA: 2.0
Preference: None

Joe D. and Doris W. Eakes Scholarship
Programs: Business, Nursing and Vocational
Minimum GPA: 2.5
Preference: Required to read *Pay It Forward*

Fifth District Bar Paralegal Scholarship
Programs: Paralegal
Minimum GPA: 2.0
Preference: None

Brian Fineman / W. Troy Humphrey Scholarship
Programs: Allied Health, BLET, EMS, Firefighting
Minimum GPA: 2.0
Preference: Second semester student demonstrating progress; recommended by instructor

Cal and Diane Geary Scholarship
Programs: Heavy Equipment and Transport Technology (Marine concentration)
Minimum GPA: highest of those applying
Preference: Second semester student

Grainger Scholarship
Programs: Air Conditioning, Heating, Refrigeration Technology
Minimum GPA: 2.5
Preference: None

Bobby W. Harrelson Endowed Scholarship
Programs: Construction, Development
Minimum GPA: 2.5
Preference: Students in financial need who are unable to receive federal grants; students interested in construction and land development as a career

Dan and Susan Hickman Scholarship
Programs: Technical
Minimum GPA: 2.5
Preference: None

Kyle McIntyre Endowed Scholarship
Programs: Truck Driving or Welding
Minimum GPA: 2.0 if applicable
Preference: None

McKenzie-Baker Interiors Scholarship
Programs: Interior Design
Minimum GPA: 2.0
Preference: Must be successfully progressing towards an Interior Design degree

Bob R. Morris Endowed Memorial Scholarship
Programs: Machining Technology
Minimum GPA: 2.0
Preference: Financial need; to be awarded second semester of first year student

New Hanover County Law Enforcement Officers Association (NHCLEOA) Scholarship
Programs: Basic Law Enforcement Training
Minimum GPA: 2.0
Preference: Not employed by any law enforcement agency, not eligible for or receiving financial aid (VA, Pell Grant, etc.)

North Carolina Azalea Festival Scholarship
Programs: Law Enforcement
Minimum GPA: 3.5
Preference: None

Napoleon Jerome Owens, Sr. Memorial Endowed Scholarship
Programs: Electrical/Electronics, Mechanical, Vocational/Technical
Minimum GPA: 2.5
Preference: New Hanover County resident who has completed one semester

Gregory Poole Marine Power Scholarship
Programs: Heavy Equipment and Transportation
Minimum GPA: 2.0
Preference: Instructor specified

Progress Energy - Daniel D. Cameron, Sr. Endowed Scholarship
Programs: Vocational
Minimum GPA: 2.0
Preference: None

J. Fred Rippy III Endowed Scholarship
Programs: Business or Automotive
Minimum GPA: 2.0
Preference: None

Captain Ralph W. Roper Law Enforcement Scholarship
Programs: Basic Law Enforcement Training
Minimum GPA: 2.0
Preference: Student must graduate and pass NC BLET exam

Southeastern Machine & Welding Scholarship
Programs: Welding
Minimum GPA: 2.0
Preference: None

Peyton Brooks Strickland Memorial Endowed Scholarship
Programs: Welding (part-time)
Minimum GPA: 2.5
Preference: working students with demonstrated financial need

James Louis “Jim” Watters Endowed Scholarship
Programs: Welding
Minimum GPA: 2.5
Preference: Selection based on skill level industrial standard and by department head

Thurman Watts Book Scholarship
Programs: Construction Management or other construction-related curriculum
Minimum GPA: 2.5
Preference: None

Therman Watts Construction Management Scholarship
Programs: Construction Management
Minimum GPA: 2.5
Preference: None

Barbara Von Philp
Programs: Chemical Technology
Minimum GPA: 3.5
Preference: Non-traditional female student possibly with children

Robert and Judy Williams Endowed Scholarship
Programs: HVAC or related field
Minimum GPA: 3.0
Preference: None

Wilmington Cape Fear Homebuilders Association Scholarship
Programs: Light Construction, Vocational related to construction
Minimum GPA: 2.0
Preference: None

Wilmington Police Recreation Association Law Enforcement Scholarship
Program: Criminal Justice
Minimum GPA: 2.5
Preference: Dependents of law enforcement officers killed in the line of duty or permanently disabled

Don Yoder Memorial Engineering Endowed Scholarship
Programs: Architectural, Chemical, Computer Engineering, Electronics Engineering, Instrumentation, Machining, Mechanical, Engineering Technology
Minimum GPA: 4.0
Preference: Second year student

Student Ambassadors

During the spring semester, Student Ambassadors are selected to represent the College and the Foundation at a variety of college-sponsored events such as student registration and orientation, donor recognition events, and graduation.

Student Ambassadors should possess:

- An outgoing personality
- A professional appearance
- High academic achievement
- Strong oral and written communication skills
- Knowledge of the college and community
- The ability to make a positive impression
- Scheduling flexibility
- Access to transportation
- A high level of commitment to CFCC

Ambassadors must maintain full-time student status, a 2.5 GPA, and perform 2-5 hours required volunteer service work per week during their one-year appointment. Candidates must complete an application package and submit three letters of recommendation from faculty and staff of the College and other mentors from external sources. A committee appointed by the Executive Director of the CFCC Foundation interviews ambassador candidates and selects students to serve in the following year. Extensive training for new ambassadors is held during the summer.

Ambassadors receive scholarship funds to apply toward their tuition, fees and books. Official items of clothing are also provided. Applications for the Ambassador program are available to students in February of each year. For more information, visit **www.cfcc.edu/foundation.**

Veterans Educational Benefits

The Veterans Administration determines the eligibility of students requesting Veterans educational benefits. The Financial Aid staff member located in the Veterans' Center processes necessary documentation, certifies enrollment and students' academic progress. The Veterans' Center provides assistance to student veterans in the transition to civilian and academic life. The center also provides guidance in obtaining other VA benefits to eligible students enrolled at CFCC.

Veterans' educational benefits are available to eligible veterans, spouses and children of certain categories of living and deceased veterans and to certain active duty military personnel, reservists and National Guard members.

Maintaining Eligibility for Veterans Educational Benefits

Students receiving veterans educational benefits are required to maintain satisfactory academic progress. CFCC's progress standards appear on page 25 of this catalog. Recipients of veterans educational benefits whose cumulative GPA falls below 2.0 will be placed on academic probation for the subsequent semester. If the cumulative GPA remains below 2.0, the student will not be eligible to receive veterans educational benefits.

Prospective students who are eligible, or believe they may be eligible, to receive veterans educational benefits should contact the Veterans' Center.

Visit http://cfcc.edu/veterans for additional information.

Vocational Rehabilitation

This is a program administered by the North Carolina Department of Human Resources. The Division may provide services as are necessary to enable a physically, mentally and/or educationally disabled person to become self-employed. If a prospective student has a disability or is limited in his/her activity because of a disability, he/she may contact the nearest Division of Vocational Rehabilitation Office for consideration of assistance. The Wilmington Unit Office is located at 1506-A Market Street, Wilmington, NC. The telephone number is (910) 251-5710.

Expenses

Tuition

Tuition is established by the North Carolina State Legislature and is subject to change without prior notification. Current tuition costs can be found on the College's website at www.cfcc.edu, in the *Schedule of Classes* published for each academic term, or in the Admissions Office.

Tuition is due and payable on the day of registration unless otherwise noted. Any deferred payment or exceptions must be approved by the Vice President of Business and Institutional Services. Tuition is free for North Carolina resident senior citizens 65 or over during a semester. However, other fees are payable where applicable. Self-supporting classes are not free for any student. If tuition is a major factor in the student's determination to attend CFCC, the student should contact the Financial Aid Office as soon as possible.

Students who register for a course and do not attend at least once during the first 10 percent of the course's term will automatically receive a grade of NS or "No Show" for that course. No tuition and fee adjustments will be made for grades of NS.

Payments can be made by cash, check, debit card, MasterCard, Visa, American Express, and Discover. WebAdvisor is available for making payments by debit, credit cards and checks. Payments are not accepted via the telephone.

Student Fees

A non-refundable student fee is charged to all curriculum students for the Fall and Spring semesters. This fee is due and payable on the day of registration. The maximum fee charged is $65.00 per academic year, but is subject to change.

Funds collected from activity fees are used to support the costs of student publications, athletics, social activities sponsored by the Student Government Association, and student identification cards.

In the fall of 2003, the Board of Trustees of Cape Fear Community College approved a non-refundable "Technology Fee" to be charged to all curriculum students for the Fall, Spring and Summer sessions. The $1.00 per credit hour fee, not to exceed $16.00 in a semester, is due and payable on the day of registration.

Electronic Signature Policy for Students

Cape Fear Community College (CFCC) recognizes an electronic signature as a valid signature from employees and students subject to Conditions 1 and 2 below:
Condition 1: Campus Network Username and Password

- Institution provides student with a unique username
- Student sets his or her own password
- Student logs into the campus network and secure site using both the username and the password
- Condition 2: Student Login ID and Personal Identification Number (PIN)

- Institution provides student with a unique PIN
- Student sets his or her own PIN
- Student logs into a secure site using both the login ID and PIN

An electronic signature is defined as any electronic process signifying an approval to terms, and/or ensuring the integrity of the document, presented in electronic format.

Students use electronic signatures to register, check financial aid awards, pay student bills, obtain unofficial transcripts, update contact information, log into campus computers, complete forms, submission of class work, tests, etc.

It is the responsibility and obligation of each individual to keep their passwords and PIN private so others cannot use their credentials. This is further explained in the CFCC Student Catalog section on “Computer Acceptable Use Policy”. Once logged in, the student is responsible for any information they provide, update, or remove. CFCC will take steps to ensure both the passwords and PIN are protected and kept confidential. Furthermore, users are responsible for logging out of all systems and exercising the necessary precautions when using publicly accessible computers.

This policy is in addition to all applicable federal and state statutes, policies, guidelines, and standards. The policy as it applies to employees is explained in Section 9.13.1 Computer Use Policies of the CFCC Faculty and Staff Handbook.

Student Identification Card

The student I.D. card is included as part of the curriculum student tuition and fees. The I.D. card should be carried at all times and presented upon request to a College representative. The I.D. card serves as the College library card, permits access to campus parking decks, and is required for participation in campus events and sports activities. Lost cards should be reported and a replacement card purchased for $10.00.

Parking and Security Permits

A non-refundable fee is charged to curriculum students for parking and security. A parking permit is issued when a student is paying for their tuition and fees in the Business Office. The parking permit is valid August to August. The maximum cost of the parking and security fee per semester is $20, but is subject to change.

Insurance

The College provides limited student accident insurance for curriculum students at no cost to the student; however, this insurance may not cover all expenses of treatment received by the student. Coverage is a (secondary) policy unless there is no other insurance in place. The College is not responsible for non-covered expenses. This accident insurance coverage is subject to approval by the Board of Trustees each fiscal year. Individual health insurance is the responsibility of each student. Students may purchase health insurance; the enrollment forms and fee information are available in the Business Office.

The following students are required to purchase professional liability insurance: Associate Degree Nursing, Cosmetology, Dental Assisting, Dental Hygiene, Practical Nursing, Nursing Assistant, Occupational Therapy Assistant, Pharmacy Technology, Phlebotomy, Early Childhood, Sonography, Surgical Technician, and Radiography. The cost of this insurance is presently $15.00, but is subject to change.

Paramedic students are required to purchase paramedic professional liability insurance. The cost of this insurance is presently $61.50, but is subject to change.

Textbooks and Educational Tools

Students are expected to purchase textbooks which are usually available from the college bookstore at the beginning of each academic session. Although not required in all courses, additional educational tools are required in certain courses and programs. Cameras, chef’s tools, safety eyewear, steel-toed boots and computers are examples of educational tools that are required for specific courses and/or programs. The bookstore does not have a charge or credit system; therefore, books and tools must be paid for at the time of purchase. Effective July 1, 2010, textbook pricing information for curriculum courses will be available on the College’s website as required by the Higher Education Opportunity Act.

Bookstore

There are two CFCC bookstores. The Wilmington Campus store is located on the ground floor of the Allied Health (L) building. The North Campus store is located in room NA114 in the McKeithan Center. The bookstores provide textbooks, supplies and other collegiate materials. Hours of operation and policies governing textbook refunds and buy-backs are posted in the bookstores.

Refund of Tuition

A 100 percent tuition refund will be made if the pre-registered curriculum student officially drops any/all classes prior to the first day of the College’s academic session/semester. Students are also eligible for a 100 percent tuition refund if the College cancels the class. Drops must be processed through the Registrar’s Office or through WebAdvisor.

A 75 percent refund will be made if the student officially drops a class(es) during the period starting from the first day and ending on the 10 percent day of the academic session/semester. A student is not officially dropped until he/she processes a signed drop card with the Registrar’s Office. The effective date of the drop is the day the Registrar’s Office receives the form. WebAdvisor is not available to drop classes during the 75 percent refund period.

Classes beginning at times other than the first week (seven calendar days) of the semester

A 100 percent refund shall be made if the student officially drops from the class prior to the first class meeting. Students are also eligible for a 100 percent tuition refund if the College cancels the class. Drops must be processed through the Registrar's Office or through WebAdvisor.

A 75 percent refund shall be made if the student officially withdraws from the class prior to or on the 10 percent point of the class. WebAdvisor is not available to drop classes during the 75 percent refund period.

Students who have not attended at least once by the 10 percent date of the class will be dropped by the instructor as a "No Show" and assigned a non-punitive transcript grade of "NS." No tuition and fee adjustments will be made.

Return Check Guidelines

Tuition payment made with a check returned by the bank will be considered nonpayment of tuition. Students will lose their classes or will not be able to attend classes until full restitution is made. Absences incurred due to nonpayment of fees will be counted in accordance with the College's attendance policy.

A returned check processing fee will be charged in the amount of $25.00 for a paper check or e-check when payment is refused by the bank for any reason.

Transcript of Record

Upon written request of the student, a transcript of credits earned at Cape Fear Community College will be sent to other colleges and/or industry. Transcripts can be requested for colleges to which you have applied through the College's website (www.cfcc.edu). Transcripts per the request may be picked up or will be mailed after 4:00 p.m. on the following work day. The non-refundable cost for an official transcript is $2 each.

Graduation Fees

Fees for graduation are not included in the activity fee. The cost for caps and gowns are paid by the student directly to the company representative from whom they are being ordered. At present the cost is approximately $25.00, but is subject to change.

*(Applicable fees at time of printing are subject to change without notice.

Institutional Indebtedness

No student will be permitted to graduate, register for classes, or have a transcript issued until all financial obligations to the College are satisfied.

Personnel in the Armed Services

Any active duty member of the armed services or a military dependent who does not qualify as a North Carolina resident for tuition purposes may be eligible to pay a reduced tuition rate if eligibility requirements for the Military Tuition Benefit (N.C. General Statute Section 116-143.3) have been met. Members for reserve components are not eligible for the benefit unless they have been called up for active duty.

Student Activities

Extra-curricular activities are an important part of the total educational program at Cape Fear Community College and fulfill the College's mission by providing a variety of activities that enrich students' lives. The goal of Student Activities is to accommodate student diversity in backgrounds, abilities, interest, and career objectives; enhance academic success; and promote diplomacy, unity, self discipline, physical and emotional well-being, and leadership skills. The Student Activities Office is located in the Allied Health Building (L112) and offers space for the many clubs at CFCC to hold their monthly meetings and is the home of the Student Government Association. Student Activities also provides services, programs, and facilities for the students, faculty, and staff of the College.

Athletics and Intramural Activities

Cape Fear Community College is a member of the National Junior College Athletic Association (NJCAA)-Division I, competing in Region 10, a high level of competition. College athletics may include basketball, volleyball, golf, soccer, and other NJCAA sponsored sports depending on student interest and facilities availability. Students participating in intercollegiate athletics must meet NJCAA/NCAA eligibility requirements and standards. Individuals participating in college athletics must be currently enrolled and be in good standing. The goals and objectives of intercollegiate athletics are listed below:

Goals:

- To enhance academic success of student athletes
- To provide opportunities for participation in competitive college sports
- To promote the development of self discipline and leadership skills

Objectives:

- Monitor the academic grade point average of collegiate student athletes
- Develop and monitor sports activities based on student interest as gleaned from Student Interest survey and participation
- Monitor the retention and graduation rates of student athletes

Intramural Program

The CFCC Intramural Program is specifically designed to provide opportunities for students, faculty and staff to have fun, socialize, manage stress and improve personal health and wellness by participating in organized competitive sports and recreational activities.

The intramural program includes a wide variety of events. Past activities have included a table tennis tournament, 3 on 3 basketball, kick ball, flag football, volleyball, and other competitive activities based upon the overall interest of the CFCC students, faculty, and staff. General information and registration materials for intramural sports may be obtained through the Student Activities Office.

Student Government Association

The Student Government Association (SGA) is the official organization authorized by the administration to represent all students at Cape Fear Community College. The SGA is a democratic organization and as such elects officers each year. The State Board of Community Colleges, the CFCC Board of Trustees, and the administration, faculty, and staff fully support the SGA. This support is most visible in the office of the SGA President who, upon election to that office, automatically becomes a member of the Board of Trustees and the College Council. Additionally, students have SGA representatives on standing college committees. These committees are charged with annually reviewing and recommending changes to the College.

The Student Government Association is an active organization; it is the voice of the student body and has paved the way for good lines of communication between students and administration. Students receive practical experience in responsible citizenship through participation in a program of self-government.

The SGA is governed by its Constitution and By-Laws. Copies of these documents are available in the Student Activities office (L112).

Social Activities

The social development of the student is an important phase of the total educational program at Cape Fear Community College. Under the sponsorship of the SGA, social events include concerts, cookouts, holiday celebrations, charity events, tournaments, athletic events and various other student body activities.

Student Ambassadors Program

Each year the College selects student ambassadors to represent CFCC at various college functions and special events. These students are selected based on their leadership ability, academic achievement, college involvement and their desire to assist other students and represent the College. The major purpose of the program is to teach students the importance of responsibility and teamwork, raise self-esteem and create a well-rounded college experience. See page 42 for more information.

Phi Theta Kappa

The Phi Theta Kappa International Honor Society encompasses the upper ten percent of all students enrolled in the two-year college system. Alpha Chi Sigma is the CFCC Chapter of Phi Theta Kappa. Membership in Phi Theta Kappa is extended by invitation only. Today Phi Theta Kappa is the largest honor society in American higher education with more than 2 million members and 1,200 chapters located in all 50 of the United States, U.S. territories, British Virgin Islands, Canada, Germany, Marshall Islands, Micronesia, and Palau. The innovative programs and services and array of membership benefits offered by Phi Theta Kappa are unequaled among honor societies. Programs and projects focus upon the Society's Hallmark of Scholarship, Leadership, Service and Fellowship. To be eligible for membership a student must complete a minimum of twelve hours of associate degree course work and generally earn a grade point average of 3.5 or higher.

Clubs and Organizations

Ambassadors
Architectural Technology
Art
Bible
Chorus
Dental Hygiene
Drafting and Design
Drama
Electrical/Electronics Technology
Instrumentation
Interior Design
Jazz
Machining Technology
Mechanical Engineering Club
Nursing (Assoc. Degree Nursing)
Nursing (Licensed Practical Nursing)
Occupational Therapy Assistant
Phi Theta Kappa
Pineapple Guild
Renaissance Art Club
Spanish Club
Student Government Association

Student organizations and clubs that help fulfill the mission of CFCC, accommodate student diversity, enhance academic success, promote diplomacy, unity, discipline, physical/emotional well being, and develop leadership skills are an important part of Cape Fear Community College.

New student organizations and clubs may be approved by the Vice President of Student Development, in consultation with the Director of Student Activities, after written application is submitted to the Director of Student Activities. The written application must state the proposed name of the organization, the names of all students proposing the organization, the name of at least one faculty/staff member (full-time CFCC employee) who has agreed to serve as a sponsor to the group, and a complete description of the proposed activities of the group including, but not limited to, (1) purpose statement, (2) goals, (3) complete description of the organization's proposed activities, and (4) Club Constitution.

Once a student organization and/or club is approved, each activity must be individually approved by the Director of Student Activities before it is undertaken. Student Activity Forms are available from the Director of Student Activities. It is the primary responsibility of the proposing organization to provide accurate and complete descriptions of individual activities of the organization. Inactive student organizations and/or clubs may be disbanded at the College's discretion.

The College reserves the exclusive right to immediately suspend any activity that is not being conducted in exact accord with the college-approved description of the activity or any activity that substantially disrupts or materially interferes with the work, discipline, and/or educational activities of the College (e.g., by violating reasonable college rules and regulations, interrupting classes or other college programs or activities, or inciting or producing imminent violence or other lawless action on College premises) as adjudged by designated College officials. Moreover, the College reserves the exclusive right to disband any student organization and/or club that: (1) conducts such inappropriate and/or unapproved activities; and (2) fails to follow college guidelines.

Guidelines for Display or Distribution of Handbills, Posters, or Other Materials by Student Clubs, Community and Non-Profit Organizations, and Individuals

The College would like to provide educational opportunities to its students and others in the college community and believes that public expression through displays or distribution of handbills, posters, or other materials can play an important role in accomplishing this goal. The College also believes firmly in its obligation to college employees and its students to provide an environment that is conducive to learning. Public expression that enhances this environment by affording students and others in the college community exposure to a variety of ideas is encouraged. Subject to the terms and conditions set forth in these procedures, to any rules or regulations established by the College pertaining to display or distribution, and to other applicable laws, rules, and regulations, an organization or individual may display or distribute handbills, posters, or other materials that are aimed at providing information to students.

The following guidelines apply to materials posted on the campus of Cape Fear Community College, regardless of the source of those materials. They include:

Posted information shall not contain obscene or libelous information or other information that is not protected by law.

Information will not be placed over existing notices. Outdated material will be removed to make room for timely information.

All event items must be removed by the sponsoring organization immediately following the event.

All notes to be posted in stairwells, at doorways, or in other college locations not otherwise permitted in these guidelines, require approval by the Vice President of Student Development five work days (Monday through Friday) in advance of the proposed posting.

Due to extreme space limitations, information to be posted by student groups, community groups, or individuals in areas other than those reserved for Phi Theta Kappa and academically-oriented student clubs will be posted for a maximum of two weeks and must be no larger than 8.5” x 11”.

Items not approved in the prescribed manner will be removed and discarded.

Placement of information on vehicles of others on campus is prohibited.

The College reserves exclusive rights to re-arrange materials to accommodate the display of additional materials, to establish limits on the amount of information organizations may display, and to deny additional requests when all designated space is being used.

Failure by any organization or individual to abide by CFCC guidelines will be grounds for denying additional requests from the same organization or individual.

The College will grant access by an eligible organization or individual to areas of College premises, designated for public expression on a neutral basis, in accordance with these procedures. A grant of access to any particular organization or individual does not mean that the College endorses the beliefs, practices, or views expressed by that organization or individual, and outside organizations and individuals are expressly prohibited from stating, implying, or suggesting in any manner that they are endorsed by or associated with the College or that any publication, announcement, or other form of expression provided by the organization or individual has been approved by or is associated with the College. Areas of college premises designated for public expression will not be denied to any organization or individual on the basis of the content of information sought to be provided by or the convictions or affiliations of that organization or individual.

Given the varying nature of different organizations and the wide-range of notices that individual students and/or college personnel may wish to post on occasion, additional guidelines apply to certain types of organizations and individuals, as noted in the following information:

Phi Theta Kappa

Space has been designated for displays of the Alpha Chi Sigma chapter of Phi Theta Kappa, CFCC’s student honor society, and displays are subject to approval of chapter officers and faculty/staff sponsors.

Academically-Oriented Student Clubs

Academically-oriented student clubs that are directly linked in name, purpose, and practice to specific instructional disciplines or programs offered at CFCC may post discipline-related displays and materials, including announcements of upcoming club meetings, on College bulletin boards in their respective academic departments, subject to advance approval of faculty sponsors, department heads, and the appropriate division Deans.

Other student clubs and community and non-profit organizations may distribute or display information relating to the approved purpose including announcements of upcoming meetings, in accordance with the following guidelines:

All items displayed by other student clubs in the category must be approved by the faculty/staff sponsor and the Vice President of Student Development. Items submitted by community and non-profit organizations must be approved for display by the Vice President of Student Development. The Vice President of Student Development will consider all requests for display and distribution in light of the availability of areas that are designated for such purposes and the availability of space for the proposed display or distribution within any designated area(s). Requests for access to distribute or display publications will be reviewed and granted on a first-come, first-serve basis. The College will communicate its approval or disapproval of access for distribution or display and any conditions of access to the requesting organization or group, generally within three business days after the request is submitted. Access for display or distribution of materials will not be provided if previously approved requests for access to display or distribute materials have resulted in space being unavailable for additional displays or distributions within any designated area(s). Approved materials may be displayed on the designated bulletin board(s). No one club may use a disproportionate amount of the allotted space unless other clubs do not elect to display information.

Committee organizations and individuals may display approved notices on designated bulletin board(s).

Appeal
Any organization or individual who believes that the opportunity to display or distribute handbills, posters, or other materials has been denied improperly may appeal the denial by providing written notice of the appeal to the Vice President of Student Development within three business days of the date on which the organization or group has been advised of the denial. Information supporting the appeal (which may include a written statement or, at the election of the individual or group, a conference with the College's Judicial Board) also should be provided. As a general rule, the Judicial Board will make a final decision within five business days of receiving the appeal and any written information or, if a conference with the organization or individual has been scheduled, after conducting the conference.

Student Publications

All student publications, printed and electronic, are supervised by the Director of Student Activities, and the Vice President of Student Development. Students are invited to submit information to the Director for possible inclusion in printed material. All material must adhere to the canons of responsible journalism, including the avoidance of libel, indecency, vulgarity, undocumented allegations, attacks on personal integrity, and the techniques of harassment and innuendo.

The Vice President has the authority to determine responsible journalism and to prohibit the publication of any material in violation of the canons of responsible journalism.

College Sponsored Activities & Events

The College reserves the exclusive right to immediately suspend any activity that is not being conducted in exact accord with the college-approved description of the activity or any activity that substantially disrupts or materially interferes with the work, discipline, and/or educational activities of the College (e.g., by violating reasonable college rules and regulations, interrupting classes or other college programs or activities, or inciting or producing imminent violence or other lawless action on college premises) as adjudged by designated college officials. The College reserves the exclusive right to disband any student organization and/or club that; (1) conducts such inappropriate and/or unapproved activities; and (2) fails to follow college guidelines.

Moreover, Cape Fear Community College has a "zero tolerance policy" when it comes to drugs and alcohol consumption while representing the college during college events. Any violation will result in immediate suspension from the college for one academic year and complete withdrawal from all current classes; no exceptions. In addition, the suspended individual will have a notation placed on their permanent CFCC record.

For more information regarding Cape Fear Community College's Alcohol and Drug Policy see page 55 of this handbook. Cape Fear Community College does not differentiate among unlawful users, sellers or pushers of drugs or alcohol. Any student who uses, possesses, sells, gives or in any way transfers alcoholic beverages or a controlled substance is subject to disciplinary proceedings by the College and referred for prosecution.

General Information

Change of Name/Address

It is extremely important for the College to have accurate name and address information for each student. Students must have their name formally changed with the Social Security Administration and the Department of Motor Vehicles in order to process a name change. Name changes can only be done in person in Student Development. Students with new addresses may complete a form in Student Development or update their address online through WebAdvisor.

Children on Campus Policy

Children cannot be taken into classrooms, laboratories or shops unless authorized by College personnel. Responsible adults will be expected to remove disruptive children immediately. Children cannot be left unattended on campus including the Learning Resources Center, the cafeteria, lounge areas, registration sites, administrative offices or parking lots.

Failure to comply with this policy will lead to disciplinary action as outlined in the College Catalog, Student Handbook and Faculty and Staff Handbook. Visitors violating this policy will be notified of the violation and continued violation will result in the individual being asked to leave campus.

Dress

CFCC invites prospective employers and industry representatives on campus throughout the academic year. Therefore, while students may dress casually, they are encouraged to dress neatly and cleanly. Students are required to wear shoes to help ensure safety on campus and/or college facilities.

Where special dress or safety devices are required by the College, North Carolina Community College System, regulations, or public law, students are expected to fulfill those requirements.

Food Services

Hot food and snacks are available in the cafeteria, which is located on the first floor of the Health Sciences-Learning Resource Center (L) Building, from 7:30 a.m. to 8:30 p.m. Monday through Thursday and 7:30 a.m. to 4:00 p.m. on Friday unless otherwise posted. Food service is also available in the cafeteria at the North Campus.

Housing

The College does not have housing facilities. However, upon request and if known, college officials will provide students information concerning available housing. Students are advised to have a clear understanding with landlords regarding all rental and/or lease agreements. Students are urged to make housing arrangements well in advance of enrollment.

Lost and Found

The Switchboard Operator will accept articles found on campus. If contact information is available, the owners will be notified. Articles will be held for the remainder of the semester and will then be donated to a non-profit organization.

Parking

Two student parking lots are located two blocks north of the Wilmington Campus off of Front Street. A parking deck is available on Nutt Street and a new deck will open in late Fall 2011 behind the Schwartz Center. Students must have a Student ID card to enter and exit the parking decks. Student parking is also available at the North Campus and at the Burgaw Center.

Handicapped and special parking is provided at each of the Wilmington Campus buildings, North Campus buildings, and the Burgaw Center. Disabled persons wishing to park behind the Galehouse Building or across from the Health Sciences Building should stop at the parking attendant's station for assistance.

Parking locations, regulations and permits are obtained in the Business Office.

Note: Anyone displaying a DMV handicapped decal or license plate may park in any of the metered or time allotted parking spaces in the downtown area without being ticketed.

Telephones

Pay telephones are available for students to use. Students may not use phones located in college offices unless it is an emergency.

Incoming calls for students will be honored only in cases of emergencies.

Tobacco Free Campus Policy

Cape Fear Community College:
- is committed to providing its employees and students with a safe and healthful environment
- recognizes the use of tobacco products on campus grounds is detrimental to the health and safety of students, staff, faculty and visitors
- recognizes that it has the legal authority to prohibit tobacco use pursuant to G.S. 143-599

The following 100% tobacco free campus policy was effective August 1, 2009 at Cape Fear Community College:

1. Use of tobacco is prohibited by students, staff, faculty or visitors:

- in all campus buildings, facilities or property owned or leased by Cape Fear Community College and outside areas of the campus;
- on campus grounds, facilities, or vehicles that are the property of the college;
- at lectures, conferences, meetings, athletic, social and cultural events held on college property.
- for the purposes of this policy, tobacco is defined as any type of tobacco product including, but not limited to, cigarettes, cigars, cigarillos, pipes, bidis, hookahs, smokeless or spit tobacco or snuff.

2. The sale or free distribution of tobacco products, including merchandise, on campus or at school events is prohibited.

3. Student organizations are prohibited from accepting money or gifts from tobacco companies, including;

- Events sponsored by tobacco companies and allowing them to distribute free, reduced-price, or fully priced tobacco products (T-shirts, hats, etc.) on campus.
- All tobacco advertising, such as billboards and signs in all campus buildings, facilities or property owned or leased and operated by Cape Fear Community College

4. Tobacco advertisements are prohibited in college-run publications and on grounds or facilities, including athletic facilities, owned or operated by Cape Fear Community College.

5. Cape Fear Community College will provide access to tobacco cessation programs on campus.

These tobacco treatment programs shall be publicized regularly in student, faculty and staff publications and academic buildings, through Student Development and through other appropriate means.

6. Compliance
Violators of the policy shall be issued a verbal reminder of the policy. Visitors who repeatedly violate the policy shall be asked to leave campus. Staff and faculty who repeatedly violate the policy shall be referred to their supervisor. Repeated violations by staff or faculty can result in further personnel action such as reprimand. In accordance with the Code of Conduct students who violate the policy shall be referred to the Vice President of Student Development.

Student Expectations, Rights, and Responsibilities

Student Records

CAPE FEAR COMMUNITY COLLEGE RESPONSIBILITIES UNDER THE FAMILY EDUCATIONAL RIGHTS AND PRIVACY ACT OF 1974 (THE BUCKLEY AMENDMENT)

Under the Family Educational Rights and Privacy Act of 1974, the rights of the student and the responsibilities of the institution concerning the various types of student records maintained by the institution are established. Consistent with this legislation, Cape Fear Community College establishes the following policy to ensure compliance. Failure to comply with standards prescribed in the Act could jeopardize federal funding received by the institution and its students.

Rights of Students

In compliance with the law, an individual becomes a student when he/she registers at the College. Upon reaching age 18 or attending an institution beyond the high school level, the student has the right to view his/her own school or college records. These records include the academic transcript of the College, post-secondary transcripts, high school transcripts, and other documents maintained as part of the students permanent file with the exception of confidential letters of recommendation. All permanent academic records are housed and maintained by the Registrar.

CFCC requires written authorization from the student prior to release of academic records. A minimum of 48 working hours will be required by the College to access the requested academic information. The student may inspect, copy, and review his/her records in the Registrar's Office. There may be a charge for copies.

Rights of Parents

Parents of a child who is under the age of 18 and has never attended an educational institution beyond high school level has the right to inspect and review that child's academic records. After a student reaches the age of 18 or enters a post-secondary institution, the parent will be denied access to the students academic record unless the student gives written consent. The College assumes that all students are independent adults attending an institution designed for adult education. Parents do have the right to review the academic records of their child if they are claiming the child as an income tax deduction; however, they must show proof of the claim.

Rights of Faculty

The faculty of the College has a legitimate educational interest in a students academic records. Therefore, access to those records is authorized by the institution. Along with this access comes certain obligations and responsibilities.

A faculty member shall not access educational records of any student for which he/she does not have a direct advisory responsibility. Those with direct advisory responsibility include the current instructors of the student, the students faculty advisor, and the appropriate department head and division chair. A faculty member not professionally associated with a student shall not access educational records of the student without the written consent of the student.

A faculty member shall not disclose any information from a students record to a third party (i.e., other students, other faculty members, employers, etc.) without the written consent of the student. Parents of the student do not have special access rights and should not be given information without the students written consent.

A faculty member shall be responsible for the security of all academic information in his/her possession. These records must not be accessible to students and unauthorized personnel.

A faculty member shall refrain from disclosing academic information by phone without the expressed written consent of the student.

Rights of Administration

Student Development and specifically the Registrar's Office, has the responsibility of maintaining and safeguarding the academic records of all students of the College. Consistent with this responsibility, the personnel of Student Development will access student records as needed. However, these individuals bear the responsibility for ensuring that no unauthorized disclosure of student academic information occurs without the expressed written consent of that student.

The President, Vice-Presidents and Deans of the College may access student records when needed to facilitate the students educational pursuit. College administrators may disclose a student's educational records to appropriate parties in connection with a health or safety emergency. Furthermore, College Administrators have the right to contact parents of any student under the age of 21 that has violated a Federal, State, or local law, or any rule or policy of the institution, governing the use or possession of alcohol or a controlled substance.

Educational records of a student will not be accessed for employment decisions without the expressed written consent of the student. Information from student academic records may be shared in aggregate for educational research purposes

Directory Information

Directory information includes name, major field of study, full time/part time enrollment, the most recent college attended, dates of enrollment, degrees and awards received, and the College assigned email address.

Students have the right to withhold disclosure of any directory information by completing a request for non-disclosure in the Director of Enrollment Management's Office. Requests for non-disclosure must be filed annually. The College assumes that a student's failure to file a request for non-disclosure indicates approval for disclosure.

The complete text of The Buckley Amendment is available for review in the Office of the Director of Enrollment Management.

Patent and Copyright Policy

Every invention, discovery, material, work, product, or any part thereof, that results from the efforts of a full or part-time employee, student, or outside consultant carried out while in the employment of, or under contract or agreement of any kind with, the College and that is produced or brought about in any fashion with the aid of the College's facilities, staff, or through funds administered by the College shall, as between the College and the full or part-time employee, student, or outside consultant, be the property of the College. Any patents, trademarks, trade names, and/or trade secrets shall belong to the College and any legal protection applied for shall be applied for by the College or through an authorized agent, assignee, or licensee in the name of the College.

As a general rule, all rights to copyrightable material are the property of the creator. The creator shall be deemed to be the College where a specific contract so provides, where a full or part-time employee, student, or outside consultant is employed for the purpose of producing a specific copyrightable work, or where necessary to reflect the contribution of the College to the work, as in the case of software or audiovisual material of any kind.

As between the College and The State Board of Community Colleges, ownership of any of the above-described items shall be determined in accordance with applicable regulations of the state Board of Community Colleges.

The College may charge a reasonable rental fee for use of any of the above-described items and, further, if such item is a learned journal, work of art, book, publication, textbook, library book, form bulletin, or instructional supply, then it may, as allowed by the Umstead Act, be offered for sale by the College.

This policy shall be deemed to be a part of any existing and/or future employment or consulting agreements of the College. (approved by the CFCC Board of Trustees, March 17, 1994)

Computer Acceptable Use Policy

Purpose

College owned or operated computing resources are reserved for the educational, instructional, research, and administrative computing needs of the faculty, students, staff, and other individuals authorized by the College. The College's computing resources include but are not limited to all College computers and hardware, access to the Internet or access to any College intranet provided through College owned or operated computers, online and offline storage, and network and communications facilities. Access to these computing resources is a privilege and, therefore, it is essential that all users exercise responsible ethical behavior when using these resources. Users are expected to read, understand, and comply with the College's Acceptable Use Policy.

The College monitors access to the computing resources and reserves the right, without prior notice to users, to access the College's computing resources and to use any and all information retrieved from the computing resources. Users do not have an expectation of privacy regarding their use of the computing resources, and by accessing and using the College's computing resources, users expressly consent to such monitoring, access, and use by the College. Further, information contained on the College's computing resources and in College accounts, including but not limited to e-mail, may be subject to inspection under the Public Records Law of the State of North Carolina.

The College does not attempt to articulate all required or unacceptable behavior by its users. Therefore, each user's judgement on appropriate conduct must be relied upon. To assist in such judgement, users will follow this policy:

1. College computing resources are to be used only for educational, research, or instructional purposes for which access is provided, and are not to be used for any unauthorized purpose, including but not limited to commercial purposes, unauthorized access to remote computers or non-College related activities.

2. An access account assigned to a user must not be used by any other individual. Users are responsible for the proper use of their accounts, including proper password protection and appropriate use of the College's computing resources. Obtaining another user's password, allowing friends, family, co-workers, or any other individual use of your or another user's account, or other unauthorized use of an access account is a serious violation of this policy.

3. Users shall not create, display, transmit, or make accessible threatening, racist, sexist, obscene, offensive, annoying or harassing language, e-mail messages, and/or material, including broadcasting unsolicited messages, sending unwanted e-mail, or impersonating other users. Remember - the College's policies against discrimination and harassment apply to communications through the College's computing resource or otherwise.

4. All computer software is protected by federal copyright law. In addition, most software is being proprietary and protected by legal licensing agreements. Users are responsible for being

aware of the licensing restrictions for any software used on the College's computing resources.

5. Users shall not download, reproduce and/or distribute copyrighted or licensed materials without proper authorization from the author or creator. Additionally, users shall not publish information, messages, graphics, or photographs on any web page, with the express permission of the author or creator.

6. Users shall not engage in activities to damage or disrupt the hardware, software, or any communication associated with the College's computing resources, such as virus creation and propagation, wasting system resources, overloading networks with excessive data, or any attempt to circumvent data protection schemes or uncover security loopholes.

7. Users shall not waste, monopolize, interfere or misuse the College's computing resources by, for example, requesting an excessive number of copies from a printer, playing games or participating in chain letters or Ponzi schemes.

8. Users shall not access or damage any portion of the College's computing resources or other College property, such as College records, applications or data. The College's computing resources shall not be used for illegal activities.

9. Users learning of the misuse of the College's computing resources or violations of the Acceptable Use Policy must notify a faculty member of the College or other College official immediately.

Enforcement
Failure to follow the Acceptable Use policy and any misuse of the College's computing resources may result in the suspension or revoking of access accounts, removal from the class with a grade of "F", as well as other College disciplinary action including but not limited to conduct probation, suspension, or dismissal from the College. All College policies and procedures are applicable to users of the College's computing resources. A violation of the Acceptable Use Policy is considered participation in an activity which disrupts the educational process of the College and is a violation of the Conduct Policy of the Catalog & Student Handbook, as well as other applicable policies and procedures of the College. Any conduct, which violates local, state, or federal laws, will result in the immediate loss of all access to the College computing resources and will be referred to appropriate College offices and/or law enforcement authorities.

Cape Fear Community College is not liable for actions of anyone connected to the Internet through the College's computing resources. All users will assume full liability: legal, financial or otherwise, for their actions.

Code Of Conduct

It is expected that at all times the student will conduct himself/herself as a responsible adult. Participation in any activity which, in the opinion of the administration, disrupts the educational process or functioning of the College may result in disciplinary action. Specific violations of conduct include, but are not limited to the following:

a. destruction of college property
b. stealing
c. gambling
d. use of profane language
e. engaging in personal combat
f. possess or carry, whether openly or concealed, any weapon on campus; the only exception to this directive is in the case where training or job requirements of the students or employee requires that such be carried
g. possession and/or use of alcoholic beverages
h. possession and/or use of any drug as defined under the North Carolina Controlled Substance Act, G.S. 89-90 through G.S. 90-94
i. noncompliance of the Tobacco Free Campus Policy

Violation of these rules of conduct will not be tolerated in or on any part of the campus, its satellites, equipment it operates, or wherever its employees or students are required to be while performing their duties as employees or students. Any violation of these standards of behavior may result in dismissal from the College. Additional classroom rules will be designated by instructors or supervisors and must be followed by all. College administrators have the right to contact parents of any student under the age of 21 who has violated a federal, state, or local law, or any rule or policy of the institution, governing the use or possession of alcohol or a controlled substance (g and h above).

Cape Fear Community College has a zero tolerance policy when it comes to drugs and alcohol consumption while representing the college during college events. Any violation will result in immediate suspension from the College for one academic year and complete withdrawal from all current classes; no exceptions. In addition, the suspended individual will have a notation placed on their permanent CFCC record.

For more information regarding Cape Fear Community College's Alcohol and Drug Policy see page 55 of this handbook. Cape Fear Community College does not differentiate among unlawful users, sellers or pushers of drugs or alcohol. Any student who uses, possesses, sells, gives or in any way transfers alcoholic beverages or a controlled substance is subject to disciplinary proceedings by the college and referred for prosecution.

Any person observing conduct violation(s) should immediately contact the Vice President of Student Development.

Conduct Probation and Suspension

Any student whose conduct becomes unsatisfactory may be placed on conduct probation; however, a student is subject to immediate suspension if deemed necessary by the Vice President of Student Development. Any misconduct after a person is placed on conduct probation may result in prompt suspension.

Right of Appeal

The right of appeal is granted to any student who has been suspended from Cape Fear Community College for conduct violations. To initiate such an appeal, follow the process outlined in the “Grievance Procedure” section

Classroom Rules

According to College policy, no food or beverages are permitted in any classrooms, labs, or libraries at Cape Fear Community College.

Weapons on Campus

It is unlawful for any person to possess or carry, openly or concealed, any weapon on campus. The only exception made to this directive is in the case where training or job requirements of the student or employee requires that such a weapon be carried.

Crime Awareness and Campus Security Policy

I. Cape Fear Community College adheres to the following Crime Awareness and Campus Security Policy.

A. In case of an accident, illness, criminal actions, and other emergencies, the Vice President of Student Development must be notified immediately. (If any of the above situations occur at any campus site (ex-ample: Pender County Satellite) the appropriate Director of that location must be notified.

B. The Vice President of Business and Institutional Services or the designee is responsible for security and access to all campus facilities.

C. Campus law enforcement is handled by a local security agency. When further action is necessary they seek assistance from city police or county law enforcement.

D. Violations involving the possession, use, and sale of alcoholic beverages, possession and/or use of any drug as defined under the N.C. Controlled Substance Act will not be tolerated in or on any part of the campus, its satellites, equipment it operates, or wherever its employees or students are required to be while performing their duties as students or employees. Any violations of these standards of behavior may result in dismissal from the College.

E. All incidents (criminal and security) must be reported to the Vice President of Student Development (day) or Duty Administrator (night) and/or campus security guards.

F. All incidents (crime and security) must be reported on the appropriate form and turned in to the Vice President of Student Development.

G. Individuals seeking information about registered sex offenders in the region may contact the local Sheriff’s Department or go to the North Carolina State Bureau of Investigation website: http//sbi.jus.state.nc.us.

II. Security Operations

A. Cape Fear Community College (CFCC) has a contract with a local, professional security firm to provide security for the Wilmington campus as well as off campus facilities (example: Roland-Grise) when classes are being held or when it is requested by sponsors of special events. An on-site security system is in place at the Pender County facility also. These systems are tied into local police departments. Security services are also provided at the North Campus.

B. The guards have portable radios and are constantly patrolling. Should any event requiring security occur, the guards are to contact the City of Wilmington Police and then try to control event until police arrive. Events are reported to the appropriate personnel after the situation is under control. Security escorts are available to walk students, faculty and staff to their car at night. The switchboard operator, located on the second floor of the McLeod Building, will arrange escorts.

III. Information concerning crime awareness and campus security procedures and practices are disseminated to students and employees through the following.

A. Faculty, staff and student handouts.
B. Catalog and Student Handbook.
C. Orientation.

IV. Information data on crime and security violations has been collected since August 1, 1992. Results of the data will be reported and available for distribution to interested parties.

Crime Data - Wilmington Campus

Criminal Offenses - On-campus	2007	2008	2009
a. Murder/Non-negligent manslaughter	0	0	0
b. Negligent manslaughter	0	0	0
c. Sex offenses - Forcible	0	0	0
d. Sex offenses - Non-forcible (Include only incest and statutory rape)	0	0	0
e. Robbery	0	0	0
f. Aggravated assault	0	0	0
g. Burglary	1	0	1
h. Motor vehicle theft	0	0	1
i. Arson	0	0	0

Criminal Offenses - Public Property	2007	2008	2009
a. Murder/Non-negligent manslaughter	0	0	0
b. Negligent manslaughter	0	0	0
c. Sex offenses - Forcible	0	0	0
d. Sex offenses - Non-forcible (Include only incest and statutory rape)	0	0	0
e. Robbery	0	0	1
f. Aggravated assault	1	1	1
g. Burglary	0	0	0
h. Motor vehicle theft	1	0	0
i. Arson	0	0	0

Source: Wilmington Police Department Statistics and Police Reports

Crime Data - North Campus

Criminal Offenses - On-campus	2007	2008	2009
a. Murder/Non-negligent manslaughter	0	0	0
b. Negligent manslaughter	0	0	0
c. Sex offenses - Forcible	0	0	0
d. Sex offenses - Non-forcible (Include only incest and statutory rape)	0	0	0
e. Robbery	0	0	0
f. Aggravated assault	0	0	0
g. Burglary	0	0	0
h. Motor vehicle theft	0	0	0
i. Arson	0	0	0

Criminal Offenses - Public Property	2007	2008	2009
a. Murder/Non-negligent manslaughter	0	0	0
b. Negligent manslaughter	0	0	0
c. Sex offenses - Forcible	0	0	0
d. Sex offenses - Non-forcible (Include only incest and statutory rape)	0	0	0
e. Robbery	0	0	0
f. Aggravated assault	0	0	0
g. Burglary	0	0	0
h. Motor vehicle theft	0	0	0
i. Arson	0	0	0

Source: Wilmington Police Department Statistics and Police Reports

Campus Sex Crimes Prevention Act

The federal Campus Sex Crimes Prevention Act enacted on October 28, 2000 requires all colleges to issue a statement advising the campus community where information on registered sex offenders who are employed, enrolled, or volunteering at Cape Fear Community College can be obtained.

Sex Offender Notification

Persons who have been convicted of an offense against a minor or a sexually violent offense are required by law to register with the county sheriff in the county where they reside. The law requires that they also inform the county sheriff if they register for school. New Hanover and Pender County Sheriff's Departments have indicated they would notify the college when a sex offender indicates they plan to attend CFCC. These notifications are intended to inform rather than create panic.

Notifications of registered sex offenders enrolling at Cape Fear Community College are received from the county law enforcement agencies and are sent to the Vice President of Student Development where they are placed in a binder and are available for viewing.

Cape Fear Community College campus location of Sex Offender Notification binders:
Galehouse Building A220 - Vice President of Student Development
McKeithan Center NA -100B - North Campus Student Development Director/Counselor

Additional Information:
North Carolina Sex Offender and Public Protection Registry: http://ncregistry.ncsbi.gov

Federal Sex Crimes Prevention Act: www.securityoncampus.org/congress/cscpa/index.html

Judicial Board

Cape Fear Community College supports students' constitutional right to due process. The Judicial Board is the vehicle to insure the right of appeal.

The Judicial Board will consist of eleven (11) representatives from all areas of the College - faculty, staff, students and administration. The entire board will hear appeals concerning academic suspension, conduct suspension and charges of discrimination and/or denial of service on the basis of race, color, national origin, age, religion, handicap or sex. The Judicial Board's subcommittees will act on other categories of student appeals. The subcommittees, areas of responsibility, and composition are listed below.

Academic Subcommittee of the Judicial Board

The subcommittee will hear appeals in the matter of cheating and grades. The subcommittee consists of two (2) faculty, two (2) students and one (1) Student Development staff. One faculty member is to be chosen from each of the academic areas - vocational/technical and college transfer. The committee will select its chairman from the faculty membership.

Financial Aid Subcommittee of the Judicial Board

The subcommittee will hear appeals concerning suspension from the College's financial aid programs. The committee will consist of one (1) representative from the following areas - Fiscal Services, Student Development, faculty, and student. The chairman will be selected by the committee.

Residency Status Subcommittee of the Judicial Board

The subcommittee will decide matters of residency status for tuition purpose. The committee will consist of one (1) representative from Student Development, College staff, and a student. The committee will select its chairman.

Grievance Procedure

The right of appeal is granted to any student who has been placed on academic suspension, conduct suspension or feels he/she has been discriminated against or denied service on the basis of race, color, national origin, age, religion, disability or sex.

To initiate such an appeal, the student must submit a written appeal to the Vice President of Student Development within five (5) class days after being notified of the suspension or within five (5) class days of the grievous event. The Vice President of Student Development will present the appeal to the Judicial Board within five (5) class days of receipt of the written appeal. If the student wishes to appear before the Judicial Board the request must be included in the written appeal. The Vice President of Student Development will notify the student of the Judicial Board's decision. The decision of the Judicial Board shall be final with no further appeals.

Written Student Complaint

As a matter of practice, CFCC subscribes to the philosophy that student complaints are best resolved on an informal basis. When a student has a complaint he/she should attempt to resolve concerns with college personnel having responsibilities directly at the source of the complaint. When informal procedures do not resolve concerns, written student complaints should be sent to the Vice President of Student Development who will determine the appropriate college personnel to review the complaint. The student should receive written acknowledgment of the complaint from the Vice President of Student Development within five (5) working days.

The complaint will be reviewed and a collaborative effort will be made to resolve the complaint. Within twenty (20) working days of receipt of the complaint, the student will receive notification of the resolution of the complaint, or of the College's position on the complaint.

Student and Public Complaint Policy and Procedures

Cape Fear Community College provides complaint procedures for students under established grievance procedures described in the *College Catalog and Student Handbook*. Members of the public may also register complaints by forwarding signed, written statements to the Office of the President, Cape Fear Community College, 411 N. Front Street, Wilmington, North Carolina. CFCC will not entertain complaints that are not in writing or which are anonymous, nor will it consider complaints sent electronically or through facsimile transmission. The President, or the President's designee, may require further information from the complainant and may seek information from appropriate college offices, as needed, to respond to the complaint.

Sexual Harassment

Discriminatory personal conduct, including sexual harassment toward any member of the College, is a violation of both State and Federal law and college policy and cannot be tolerated in the College community.

All members of this college community are expected and instructed to conduct themselves in such a way as to contribute to an atmosphere free of sexual harassment. Sexual harassment of any employee or student by any other employee or student is a violation of the policy of this college and will not be tolerated.

> Requests for sexual favors and other unwelcome verbal or physical conduct of a sexual nature by any employee or student constitutes sexual harassment when:
>
> submission to such conduct is made either explicitly or implicitly a term or condition of an individuals employment, academic or student status, or
>
> submission to or rejection of such conduct by an individual is used as the basis for employment decisions affecting that individual, or
>
> such conduct has the purpose or effect of interfering with an individual's performance or creating an intimidating, hostile, or offensive environment in the workplace or the classroom.

Any student who believes that he or she has been subjected to sexual harassment in violation of this policy should make a confidential complaint to one of the Student Development counselors. If this is not feasible, the student may take the complaint to the Vice President of Student Development.

Evacuation of Buildings

An evacuation diagram is located on each floor and in each room of every building. The primary route for evacuating a building is indicated by a solid red line. If, for any reason, the primary route is blocked, use the secondary escape route indicated by a broken red line on the diagram. All occupants will follow this procedure EXCEPT HANDICAPPED PERSONS: CFCC staff will make provisions for all handicapped persons to be evacuated from the building by way of utilization of the outside stairwell and Wilmington Fire Department personnel.

Emergency Evacuation

Everyone must exit the building when the fire alarm sounds. IT IS NOT AN OPTION TO REMAIN IN THE BUILDING. Treat all alarms as the real thing. Students should take all personal belongings with them when evacuating the building.

Drug and Alcohol Policy

1. Cape Fear Community College does not differentiate among unlawful users, sellers, or pushers of drugs or alcohol. Any employee or student who unlawfully uses, possesses, sells, gives, or in any way transfers alcoholic beverages or a controlled substance is subject to disciplinary proceedings by the College, and referred for prosecution.

2. The term controlled substance means any drug listed in CFR part 1308 and other federal regulations, as well as those listed in Article V, Chapter 90 of North Carolina General Statutes. Generally, these are drugs which have a high potential for abuse such as: Marijuana, Cocaine, PCP, Heroin, and Crack among others. They also include legal drugs that are not prescribed by a licensed physician. The term alcoholic beverage includes beer, wine, whiskey and any other beverage listed in Chapter 188 of the General Statutes of North Carolina. Persons within the College community are responsible for knowing about and complying with the Cape Fear Community College Drug/Alcohol Policy.

3. Any employee or student who is convicted of violating any criminal drug or alcoholic beverage statute while in the workplace, on College premises, or as part of any College sponsored activity, will be subject to disciplinary action by the College up to and including termination or expulsion, and referred for prosecution. Specifically, any such person convicted of a felony, or a misdemeanor which results in an active prison sentence will, if a student, be expelled, or if an employee, be terminated from employment (subject to existing disciplinary policies applicable to state or federal law which may apply to employees). Other misdemeanors or convictions will be evaluated on a case-by-case basis and the specific penalties may range from written warnings with probationary status to enrollment expulsions and employment discharges. The College may also require the employee or student to successfully

complete a drug abuse treatment program as a precondition for continued employment or enrollment. Persons charged with illegal drug/alcohol involvement may be suspended pending any legal proceedings if, it is determined by the President, or his designee, that the persons continued presence within the College would pose a serious and immediate danger to the health or welfare of other persons within the College.

4. Each employee or student is required to inform the Personnel Director or the Vice President of Student Development, respectively, in writing within five (5) days after a conviction of any criminal drug or alcoholic beverage control statute where such violations occurred in the College workplace, on College premises, or as part of any College sponsored activity. A conviction means a plea or a finding of guilt (including a plea of nolo contendere) and the imposition of a sentence by a judge or jury in any federal or state court.

5. College Administrators have the right to contact parents of any student under the age of 21 that has violated a Federal, State, or local law, or any rule or policy of the institution, governing the use or possession of alcohol or a controlled substance.

For those students or employees receiving or working under a federal grant, the College must notify the United States governmental agency from which a grant was made within ten (10) days of receipt of such notice from the grant employee, or otherwise after receiving actual notice of a criminal drug conviction. Appropriate disciplinary action will be taken by the College within 30 calendar days from the receipt of such notice. The law requires that all employees abide by this policy as a condition for continued employment on any federal grant.

Legal Consequences

The illegal use of drugs and alcohol constitutes a serious crime under federal, state and local laws. Convictions may result in imprisonment, fines and/or mandatory community service. A drug conviction can disqualify a student for federal student aid. A record of a felony conviction may prevent a person from entering a chosen career. North Carolina law makes it illegal to manufacture, to sell or deliver, to possess with intent to sell or deliver, or to traffic controlled substances.

Under North Carolina law, the minimum age to purchase, possess, or consume any alcoholic beverage is 21 years old. Consumption of liquor or fortified wine by anyone 18-years-old and younger is a Class 1 misdemeanor. Those 19- and 20-year-olds who drink beer or wine will be charged with a Class 3 misdemeanor. A person convicted for the first time of selling or providing alcohol to someone under 21 will receive a minimum sentence of a $250 fine and 25 hours of community service. For a second or subsequent offense within four years, the penalty is no less than a $500 fine and 150 hours of community service. A person convicted of aiding and abetting the sale or provision of alcohol to someone under 21 for a second or subsequent offense within four years, the sentence is no less than a $1000 fine and 150 hours of community service. A driver may not consume any alcoholic beverages while driving. Driving after drinking with an alcohol concentration of .08 means a person is driving while impaired. No person may transport in the passenger area spirituous liquors in any container other than the manufacturer's unopened original container. Violations may result in imprisonment, fine, mandatory community service and/or loss of driving privileges. Therefore, 19- or 20-year-olds who are convicted of an alcohol violation may have a criminal history that would affect professional organizations, and employers could use such a record to reject an applicant.

Federal Penalties and Sanctions for Illegal Possession of a Controlled Substance

- 21 U.S.C. 844(a) - 1st conviction: Up to 1 year imprisonment and fined at least $1000 but not more than $100,000, or both. After 1 prior drug conviction: At least 15 days in prison, not to exceed 2 years and fined at least $2,500 but not more than $250,000, or both. After 2 or more prior drug convictions: At least 90 days in prison, not to exceed 3 years and fined at least $5,000 but not more than $250,000, or both. Special sentencing provisions for possession of crack cocaine: Mandatory at least 5 years in prison, not to exceed 20 years and fined up to $250,000, or both, if:
  - 1st conviction and the amount of crack possessed exceeds 5 grams.
  - 2nd crack conviction and the amount of crack possessed exceeds 3 grams.
  - 3rd or subsequent crack conviction and the amount of crack possessed exceeds 1 gram.
- 21 U.S.C. 853 (a)(2) and 881 (a)(7) Forfeiture of personal and real property used to possess or to facilitate possession of a controlled substance if that offense is punishable by more than 1 year imprisonment. (See special sentencing provisions re: crack)
- 21 U.S.C. 881(a)(4) Forfeiture of vehicles, boats, aircraft or any other conveyance used to transport or conceal a controlled substance.
- 21 U.S.C. 844a Civil fine of up to $10,000.
- 21 U.S.C. 853a Denial of Federal benefits may apply, such as student loans, grants, contracts, and professional and commercial licenses.
- 18 U.S.C. 922(g) Ineligible to receive or purchase a firearm.

Miscellaneous: Revocation of certain Federal licenses and benefits, e.g. pilot licenses, public housing tenancy, etc., are vested within the authorities of individual Federal agencies. Note: These are only Federal penalties and sanctions. Additional State penalties and sanctions may apply.

Health Risks

No illicit drug is free of health risks. Most carry the danger of psychological or physical addiction. All cause distortion of brain functioning and can alter thinking, perception, and memory, as well as, affect behavior. The use of intravenous drugs also presents the risk of infection with potentially deadly diseases (e.g. AIDS develop as result of damage to the respiratory, circulatory, and other body systems). Every illicit drug has the potential to result in death-whether from the body's own reaction to the abuse of drugs or from accidents caused by persons who are impaired. Although alcohol is not an illegal substance when consumed by adults over the age of 21, it presents many of the same health risks as illicit drugs. Alcohol consumption causes a number of marked changes in behavior. Even low doses significantly impair the judgment and coordination required to drive a car safely, increasing the likelihood that the driver will be involved in an accident. Low to moderate doses of alcohol also increases the incidence of a variety of aggressive acts, including spouse and child abuse. Moderate to high doses of alcohol cause marked impairments in higher mental functions; severely altering a person's ability to learn and remember information. Very high doses cause respiratory depression and death. If combined with other depressants of the central nervous system, much lower doses of alcohol will produce the effects just described. Repeated use of alcohol can lead to dependence. Sudden cessation of alcohol intake is likely to produce withdrawal symptoms, including severe anxiety, tremors, hallucinations, and convulsions. Alcohol withdrawal can be life threatening. Long-term consumption of large quantities of alcohol, particularly when combined with poor nutrition, can also lead to permanent damage to vital organs such as the brain and the liver. Mothers who drink alcohol during pregnancy may give birth to infants with fetal alcohol syndrome. These infants have irreversible physical abnormalities and mental retardation. In addition, research indicates that children of alcoholic parents are at greater risk than other youngsters of becoming alcoholics.

Available Resources
Many public and private resources are available for those needing assistance with drug or alcohol issues. In New Hanover County, call (910) 251-6530. In Brunswick County, call (910) 253-4485. In Pender County, call (910) 259-5476.

Another resource is the Alcohol/Drug Council of NC Information and Referral Service: (800) 688-4232. This is a drug abuse information and treatment referral line where individuals can get information and referrals to appropriate treatment facilities.

Counseling and Rehabilitation Services to Prevent Substance Abuse
Students, faculty, and staff may seek assistance with an alcohol or drug-related problem through Cape Fear Community College. A listing of available services and referrals will be provided in the Counseling Office of Student Development.

A copy of this policy is distributed annually to students and employees.

EXTENDED SERVICES
Continuing Education Department

General Course Information

An important function of the college is to provide numerous courses for the continuing education of adults. The development of these courses is based upon the needs and interests of the professional, business, industry, and civic communities. Continuing Education programs promote the concept of lifelong learning by providing meaningful educational experiences that will help adults meet occupational and professional goals and fulfill social and personal needs. Courses and programs are offered that allow adults to achieve their full potential in our ever-changing world of knowledge, skill, and understanding. The diversity of these programs range from basic reading and writing skills, to vocational and technical upgrading, to specialty certification, to cultural and personal enrichment.

Classes are held at the Wilmington downtown campus and at other locations throughout New Hanover and Pender counties. Full details can be obtained by calling the office of Continuing Education at (910) 362-7170.

Directory of Services Areas

Continuing Education is divided into the following areas:

Basic Skills Division
- Adult Basic Education (ABE)
- General Education Development (GED)
- Adult High School Program (AHS)
- English as a Second Language (ESL)
- Compensatory Education Development (CED)
- Workforce Literacy Program

Corporate and Continuing Education Division
- Small Business Seminars, Counseling, and Referral
- Customized Training Program
- Electrical Apprenticeship Training
- Certifications
- Computer Classes
- Ed2Go and other Online Courses
- Human Resources Development Program
- Career Pathways Academies
- Teacher Recertification Classes
- Effective Teacher Training
- ServeSafe Foods
- Career Readiness Certification Program (CRC)
- JobsNOW Program
- Medical Billing and Codeing
- Substance Abuse Counseling Program
- Skilled Trades Training
- Photography

Bank Teller
Workplace Spanish
Sign Language

Public Health and Safety Division
Emergency Medical Technician
(EMT)/Paramedic Training
In-Service Law Enforcement Training
Nurse Aide (NA) Training
Motorcycle Safety Training
Defensive Driving Safety Courses

Fire/Rescue and Emergency Management Training Division
NC Firefighter Certification
NC Technical Rescue Certification
Firefighter Training Center (Computerized Training)
NC Emergency Management Certification
National Incident Management System (NIMS) ICS
Industrial Fire Brigade Training

Leisure and Recreational Program
Arts and Crafts Classes
Notary Classes
Concealed Carry Safety Course
Marine Captain's Course
Aviation Ground School

Burgaw Center
Computer Classes
Nurse Aide
Wastewater Treatment Plant Operator Classes
Manicuring
Workplace Spanish
Career Pathway Academies
Construction Training
Human Resource Development Program
Career Readiness Certification Program (CRC)
Sign Language

Surf City Community Center
Computer Training for Beginners
Intermediate Computer Skills
Basic Digital Photography
L.E.E.D. Exam Preparation
Green Building Overview

Admission

Generally, any person who is 18 years of age or older, or whose high school class has graduated, is eligible for admission to Continuing Education classes. Applicants are usually admitted on a first-come, first-serve basis. Some classes have specific admission requirements. In such cases, applicants will be properly notified. High school juniors and seniors, 16 years of age and older, may enroll with permission from high school officials. Individuals interested in attending any occupational extension or community services course may register by visiting the college or attending the first class. Applicants are accepted on a “first come, first served” basis.

Registration and Special Information

For information concerning the current class offerings and their locations in New Hanover County, call (910) 362-7170. Some classes require pre-registration.

Expenses
For Pender County classes, call the CFCC Burgaw Center, call at (910) 362-7900 or (910) 259-4966.

For CFCC North Campus classes, call (910) 362-7700 or go to our website at www.cfcc.edu/ce.

The CFCC Burgaw Center is located at 100 Industrial Drive in the Pender Progress Industrial Park. This location is approximately five blocks south of downtown Burgaw adjacent to Burgaw Middle School.

The North Campus is located at 4500 Blue Clay Road, Castle Hayne, NC.

Some classes require pre-registration, however many classes only require you to make a reservation by telephone. Call (910) 362-7196 for specific registration information.

Students are asked to pre-register but may register for classes at their first class meeting. Course cost (tuition) will vary from $65 to $175 depending on the number of scheduled hours plus the cost of any required text(s) and supplies. A high school diploma is not always required for registration. Registration fees for Continuing Education Department classes are not always refundable. The refund policy, as set forth by the North Carolina General Assembly is included in the withdrawal and refund policy section. Many classes are FREE for N.C. citizens 65 years of age or older. However, for classes designated as self-supporting, all students must pay the tuition fee and costs for required text and supplies.

Class Schedule

Classes are normally scheduled on a continuous basis with new classes generally beginning each August, January, and May. Special seminars and industrial courses may be scheduled to begin at any time period appropriate to a company and Cape Fear Community College. Specific announcements of course offerings, registration dates, and places will be made through local news media and other appropriate means approximately three weeks prior to the beginning of the course. For current course information, please call (910) 362-7170. Course information is also accessible at the College’s web site at www.cfcc.edu/ce.

Minimum Enrollment Required

Normally a course will be offered when a minimum number of persons enroll. The college reserves the right to cancel any course when an insufficient number of people register.

Class Hours

The majority of occupational extension and community service courses are offered one or two evenings per week for 6-12 weeks. Courses may meet for one to four hours per evening. Special extension, industrial, and seminar programs may be scheduled at the convenience of the participants and college.

Fees

For all occupational extension and community services courses, there is a required registration fee from $65.00 to $175.00 depending on the number of scheduled hours of instruction. In compliance with North Carolina statutes, however, this fee may be waived for selected individuals. Other costs in these classes may include textbooks and/or equipment and supplies and a $5.00 technology fee. In a limited number of self-supporting classes and seminars, special fees may be charged. If you are a North Carolina resident, 65 years old or older, you are exempt from most registration and tuition fees. Textbook and/or course supply fees may still be required. Registration fees are subject to change contingent upon action by the NC General Assembly. Refunds are not issued after the 10% census date of the course.

Withdrawal and Refund Policy

The Refund Policy, as set forth by the North Carolina General Assembly, follows in the next paragraph. Many classes are FREE for N. C. Citizens 65 years of age or older. However, for classes designated as self-supporting all students must pay the tuition fee and costs for required text and supplies. To be eligible for a refund the student must officially withdraw from the class. The student must complete a refund request form. Any fees paid are nonrefundable, including professional liability insurance and technology fees.

A 100 percent tuition refund shall be made if the student officially withdraws from class before the first class meeting (fax: 910-362-7190 or email: register@cfcc.edu). A written request must be dated and received by the Continuing Education Department, or instructor before the first class meeting.

A 75 percent tuition refund shall be made if the student officially withdraws from class prior to or on the 10 percent date of scheduled hours. A written request must be dated and received by the Continuing Education Department, or instructor prior to or on the 10 percent date of scheduled hours. Students are responsible for obtaining the 10 percent date from their instructor on the first class meeting.

A full refund shall be made for classes canceled by the college. Students do not have to request refunds in this case.

Continuing Education Registration - Campus Access Fee

All parking decals may be obtained in person Monday through Friday, 8 a.m.–10 p.m., and Saturday, 8 a.m.–5 p.m., at the front office desk of the BIG Center for classes on the Main Campus.

At the Burgaw Center, parking decals may be obtained in person Monday through Friday, 8 a.m.–10 p.m., from the front desk.

At the North Campus, parking decals may be obtained in person from the Business Office cashier’s window, 8 a.m.–5 p.m., Monday through Friday.
Students are required to display parking passes on vehicles parked on campus at any site

Basic Skills Division

The Basic Skills Division includes the following programs for adults 16 years of age or older, who wish to begin, continue, or expand their educational skills. All interested participants must demonstrate the ability to benefit from the program by being able to take one of the following pre-tests as determined by the college: CASAS, TABE. Students unable to complete the pre-test will be admitted to the program at a future date once they are able to complete the pre-test.

Adult Basic Education (ABE)
Adult High School Diploma (AHS)
Compensatory Education Development (CED)
General Education Development (GED)
English As A Second Language (ESL)

All classes are offered at convenient times and locations. All classes are free. Anyone under 18 years of age must have school and parental release forms. GED, Adult High School and ESL classes are also offered online to students who meet eligibility requirements.

All classes are free. Students under 18 years of age must be officially withdrawn from school and have notarized parental release forms.

Pre-registration/Orientation

To enroll in ABE, GED or AHS classes at CFCC, students must attend a pre-registration and orientation session. No appointment is necessary. All sessions are held on the main campus of CFCC. Students who wish to enroll in off-campus classes may register at the class site. Cost is FREE.

Adult Basic Education (ABE) Classes

The ABE program is designed for persons 16 or older with or without a high school diploma or its equivalency who function below the ninth grade level. Students receive individualized and classroom instruction in basic math, reading, and writing. These classes improve adults’ basic skills preparing them to enter the workforce, enhance daily living skills, enroll in GED or Adult High School Diploma classes and enroll in college.

For more information, call (910) 362-7179.

General Educational Development (GED) Classes

The GED program is designed for persons 16 or older without a high school diploma or its equivalency and who function at or above the 9th grade level. Students receive individualized and classroom instruction to prepare for the five areas of the GED exam. Classes are also available online to students who meet eligibility requirements.

For more information, call (910) 362-7179.

GED Testing

Individuals wishing to take the high school equivalency exam must provide proof of age, identity, and N.C. Residency. (A valid N.C. Driver's License or N.C. Special I.D. will satisfy these requirements.) Pre-GED pass forms as well as your social security number are required. The cost of the GED test is $7.50.

For more information, call (910) 362-7179.

Pre-GED Testing

Students must take and pass the Pre-GED lab before taking the GED test.

For more information, call (910) 362-7179.

Adult High School Diploma (AHS) Classes

The Adult High School (AHS) program is designed for adult learners 16 years of age or older who have not completed high school, but have academic skills at or above the 9th grade level. Students who are 16 or 17 years old may enroll only if they have officially withdrawn from public school. Students must complete 20 units to be eligible to graduate. Classes meet nightly, Monday through Thursday, from 5:30 pm until 9:30 p.m. at campus sites in Wilmington and Burgaw. The cost is FREE. Registration for all AHS classes is held at the Wilmington campus.

Classes are also available online to students who meet eligibility requirements.

For information, please call (910) 362-7182.

English as a Second Language (ESL) Classes

The ESL program is designed for persons 16 years or older whose native language is not English. Instruction focuses on English skills that will enable students to interact effectively in the community, workplace, or in higher education.

Classes are designed to serve the needs of those individuals who have no English skills up to and including individuals who are preparing for university study. ESL classes help individuals develop skills to secure a job, help children with schoolwork, talk on the phone, meet new people, and improve communication skills.

Classes are also available online to students who meet eligibility requirements.

For information call (910) 362-7049.

Compensatory Education Development Program Classes

The Compensatory Education program is designed for adults 17 years of age or older who have been diagnosed as developmentally disabled or who have been medically pronounced as functioning at a level equivalent to mental retardation resulting from head injury or brain damage. Instruction is designed to help individuals with reading, life skills, money management, community living, health habits, problem solving, and vocational skills. The goal of the program is to help individuals acquire skills and abilities needed to become more independent and self-directed to meet and manage community, social, work, and personal adult responsibilities. All classes are free of charge. Classes are offered Monday through Friday. Classes are also offered at other satellite locations. Please call for an appointment for class availability and placement.

For information call (910) 362-7457 or 362-7349.

Corporate & Continuing Education Division

Center for Business, Industry, and Government (BIG) Training

805 North Third Street
Wilmington, North Carolina 28401

Located at the BIG Center, the Corporate and Continuing Education Division offers courses in a wide variety of areas, such as work/life skills enhancement, as well as seminars for small businesses and customized industry training in New Hanover and Pender counties. To request industry training or receive information on upcoming classes or seminars, call (910) 362-7170, check our web page at www.cfcc.edu/ce.

Small Business Center

The Small Business Center is a provider of education, high-quality/low-cost training, and referrals developed to increase the success rate and number of viable small businesses in Pender and New Hanover County. Contact the SBC at 362-7216.

The following services are provided:

- CLASSES/SEMINARS: Targeted to prospective & existing Small Business owners including topics like Business Basics, Marketing, Financials, Writing the Business Plan, Quickbooks, Grant writing, and Customer Service just to name a few!
- COUNSELING: FREE, confidential one-on-one business counseling
- REFERENCE LIBRARY: Access to our Reference Library is available by appointment and includes Internet Access, business planning, and accounting software, marketing/website videos, and business books.

Visit us online at http://www.cfcc.edu/sbc to register for classes, find how-to startup documents, and download helpful demographics and statistics to aid in writing a business plan. Or call us at 362-7216.

Customized Training Program

The Division of Corporate and Continuing Education provides training for industry at CFCC as well as on-site at your business. Topics vary widely according to industry need and can be customized. Examples of industry offerings include: technical training, basic computer and software program skills, oral and written communication skills, management, supervision, quality standards, IS0 9000, customer service, and team-building. The Customized Training Program supports the economic development efforts of the State by providing education and training opportunities for eligible businesses and industries. Amended in 2008, this program integrates the New and Expanding Industry Training Program and the Customized Industry Training Program to more effectively respond to business and industry (G.S. 115D-5.1e). The Customized Training Program also includes the former Focused Industry Training Program and shall offer programs and training services to assist new and existing business and industry to remain productive, profitable, and within the State

The program was developed in recognition of the fact that one of the most important factors for a business or industry considering locating, expanding, or remaining in North Carolina is the ability of the State to ensure the presence of a well-trained workforce. The program is designed to react quickly to the needs of businesses and to respect the confidential nature of proprietary processes and information within those businesses.

The purpose of the Customized Training Program is to provide customized training assistance in support of full-time production and direct customer service positions created in the State of North Carolina, thereby enhancing the growth potential of companies located in the state while simultaneously preparing North Carolina's workforce with the skills essential to successful employment in emerging industries.

For more information, call (910) 362-7909.

Electrical Apprenticeship Training

Offered in partnership with the NC Department of Labor, this program is designed to provide the specific skills associated with the electrical trade. On-the-job training, combined with classroom instruction, develops the employees' hands-on-skills, and results in the award of a certificate as a journeyman in the trade.

For more information, call (910) 362-7319.

Certifications

The Center for Business, Industry and Government Training offers a variety of certification classes to meet the continuing education requirements of trade contractors and other occupations including HVAC, electrical, plumbing, and general contracting.

For more information call, (910) 362-7319.

EPA/CFC Refrigerant Recovery/Recycling Certification Exam

Course designed for HVAC technical personnel to assist in meeting EPA mandated training requirements in preparation for the N.C. State Board of Refrigeration Examiners. Course is offered every three months.

For information and schedule, call (910) 362-7189.

Electrical Contractors' Renewal Course Programs

The Electrical Contractors' Renewal Courses are held throughout the year. This provides Electrical Contractors the six hours of mandatory continuing education credits required to maintain a license.

For more information, call (910) 362-7319.

N.C. General Contractors Residential Licensing Seminars

Seminars are offered every three months. For information, dates and times, call (910) 362-7319.

Human Resources Development

The Human Resources Development (HRD) program is designed for individuals who wish to become more marketable by upgrading their employability skills. Classes are year round and include Introduction to Computers, Resume Preparation, Interview Coaching, Career Interests and Aptitudes, Confidence Building, and Self-Discovery. Classes are reasonably priced and the fee may be waived for those who qualify.

For more information, call (910) 362-7324

Career Pathways Academies

Career Pathways Academies are offered under the HRD Program. Each academy is 9 to 12 weeks long and consists of 3 to 6 courses bundled together in order to give the students an overall knowledge and some hands-on training in certain career paths, such as skilled trades, office administration and health sciences. Additional academies are developed due to training needs of local employers and their potential employees.

For more information, call (910) 362-7604.

Computer Classes

Many computer classes covering a variety of software and applications are offered through the Division of Continuing Education. Classes include: Intro to the PC and Internet, Introduction to Computers, Personal Computer Troubleshooting, Microsoft Office Suite, Creating Web Pages, Flash, PhotoShop, Build and Upgrade your PC, and Computer Applications in Spanish.

For more information, call (910) 362-7196.

Continuing Education for Teachers and Paraprofessionals

New Hanover and Pender counties' teachers, active and retired, and paraprofessionals (teaching assistants, substitutes) may register for short courses. Continuing Education Units (CEUs) are provided for re-certification and No Child Left Behind course requirements. Teachers and paraprofessionals from counties outside New Hanover and Pender must get prior approval from central office professional development administrators. Parents and Home School Operators may attend classes as space allows.

To register for classes and receive additional details, call (910) 362-7199.

Languages

Classes in all levels of Spanish are available in addition to Speed Spanish, Speak Spanish for Medical Professionals, and Spanish for the Workplace. Immersion Language Training classes are offered to assist individuals who are preparing to take the Test of English as a Foreign Language (TOEFL) exam. Courses in Sign Language, Levels I and II are offered.

Medical Billing and Coding

These entry-level online courses offer students the convenience of attending class from home. Courses include Medical Terminology, Anatomy and Physiology, Introduction to Medical Coding, and Medical Coding Certification Exam Preparation.

For more information, call (910) 362-7196.

Ed2Go and Other Online Courses

The Division of Corporate and Continuing Education offers over 300 instructor-led courses that are available via the Internet. Topic areas include: computer applications, web design, customer service, paralegal, purchasing, project management, production and inventory management, small business, and writing.

For more information, call (910) 362-7572 or log onto www.ed2go.com/cfcc.

ServeSafe Food

The National Restaurant Foundation, in conjunction with CFCC, offers certification to those who successfully complete this course.

For more information, call (910) 362-7319.

Career Readiness Certification (CRC)

Cape Fear Community College in partnership with the Employment Security Commission, JobLink Centers in New Hanover and Pender counties, is offering the Career Readiness Certificate (CRC) program. The CRC is a portable credential recognized by many employers across the State and nationwide that allows a job candidate to prove his/her skills in three areas Applied Mathematics, Reading for Information and Locating Information. Furthermore there are additional areas where skills can be assessed, including Observation, Applied Technology, Teamwork, Listening, Writing, and Business Writing. This allows employers to make informed employment and training decisions. Higher skills indicate a person's readiness for a greater range of responsibility. WorkKeys helps students determine the skill levels and education requirements for various jobs. The WorkKeys database contains over 13,000 job profiles outlining the Math, Reading and Locating information and other skill levels utilized in each occupation. After taking the KeyTrain pre-assessments students will know if there are any skills gaps and exactly what areas in which they need to improve when considering specific jobs.

For more information, call (910) 362-7050, or go to our website at www.cfcc.edu/ce/crc.

Substance Abuse Counseling Program

This program gives students the 270 hours required for the educational training for becoming a Certified Substance Abuse Counselor. This training is approved by the North Carolina Substance Abuse Professional Practice Board. Other requirements for becoming certified can be found at www.ncsappb.org.

For more information, call (910) 362-7319.

Skilled Trades Training

The Division of Corporate and Continuing Education offers many skilled trades training courses such as Carpentry, Facility Maintenance, Handyman Skills Training, Cabinet Making, Plumbing, HVAC, Masonry and Electrical. These courses are short-term training that allows students to be marketable for entry-level jobs in the construction trades.

For more information, call (910) 362-7319

Public Health and Safety Division

Emergency Medical Technician/Paramedic Program

For information and class schedules, call (910) 362-7512.

Emergency Medical Technician training prepares the student to perform basic and advanced patient care in a pre-hospital setting. After successful completion of the course, a state examination is required for certification. Courses offered include initial Medical Responder, EMT-Basic, EMT-Intermediate and EMT-Paramedic, as well as continuing education for all levels of EMT training.

Motorcycle Safety Course

Motorcycle Safety Fundamental Rider courses provide students with valuable information about controlling motorcycles and reducing the risk involved in riding. The DMV waives the riding skills test for motorcycle endorsement applicants who have successfully completed the North Carolina Motorcycle Safety education program.

For information and class schedules, call (910) 362-7175.

Nurse Aide Program

For Wilmington information and class schedules, call (910) 362-7218. For Burgaw Center class schedules call (910) 259-4966 or 362-7900.

Nurse Aide Level I - Prepares graduates to provide personal care and perform basic nursing skills for the elderly and other adults.

Nurse Aide Level II - Prepares Nurse Aides to perform more complex nursing skills.

Nurse Aide Refresher - A fifteen (15) hour refresher course designed for skill/competency testing of Nurse Aide employees.

Fire/Rescue & Emergency Management Training Divison

Our fire training division offers fire and rescue training as well as emergency management certification classes in New Hanover and Pender counties. Classes for NC OSFM State Certification and NC State Emergency Management Certification programs are offered by coordinating with area fire departments and emergency management personnel. Firefighter recertification and courses in the latest technology are also offered locally. CERT (Community Emergency Response Team), fire brigade/emergency response team training and customized training programs are available upon request. Call: 362-7799 or 7714 for more information

NC OSFM State Certification Programs

Firefighter I & II
Driver Operator
Aerial Operations
Hazardous Materials
Emergency Vehicle Driving
Fire Life Safety Educator
Rescue Technician
Surface Water Rescue
Rescue Ropes
Trench Rescue
Structural Collapse
Confined Space
NC Emergency Management State Certification Program
NC Emergency Management – Levels I-IV

Call 362-7799 or 362-7714 for more information.

NIMS ICS (National Incident Management System) Incident Command System

The Secretary of Homeland Security was directed by President Bush to development and administer a National Incident Management System. This system provides a consistent nationwide template to enable all government, private-sector, and nongovernmental organizations, including all first responders, to work together effectively during domestic incidents. The intent of NIMS is to be applicable across a full spectrum of potential incidents and hazard scenarios, regardless of size or complexity and improve coordination and cooperation between public and private entities in a variety of domestic incident management activities. NIMS provides for interoperability and compatibility among all responders.

NIMS ICS-700 National Incident Management System – An Introduction
NIMS ICS-100 NIMS: Introduction to the Incident Command System
NIMS ICS-200 NIMS: ICS for Single Resources and Initial Action Incidents
NIMS ICS-300 NIMS: Incident Command System, Intermediate
NIMS ICS-400 NIMS: Incident Command System, Advanced
NIMS ICS-402 NIMS: Overview for Executives. Senior Officials
NIMS ICS - special classes upon request.

Call 362-7799 or 362-7714 for more information.

Weekend Fire Schools

Pender County Firefighters' Association Fire & Rescue School - January 6-8, 2012
New Hanover County Firefighters' Association Fire & Rescue School - April 27-29, 2012
Eastern Carolina Firefighters' Association Fire & Rescue School - October 7-9, 2011

Call 362-7799 or 362-7713 for more information.

Recreation and Leisure Programs

Recreation and Leisure classes are an integral part of Continuing Education. Classes such as art, home economics, and general interest are offered mornings, afternoons, and evenings. These serve approximately 3,000 students in more than 400 classes per year. Classes are conducted at various locations throughout New Hanover and Pender County. Classes are also coordinated with local community centers, senior citizens centers, and recreation centers. Likewise, businesses, churches, and schools as well as public facilities are utilized. Courses are frequently designed to meet specific requests; therefore, this area is expected to change with the interests and needs of the community. Students are regularly surveyed for comments and suggestions.

Concealed Carry Safety Course

Teaches the aspects of the N.C. Concealed Carry-Handgun law including fundamentals of safety and basic marksmanship. Six (6) hours of classroom and six (6) hours range training. The course is offered twice a year.

Call (910) 362-7189 for information and class schedules,.

Auto Safety Inspection Classes

These classes are for auto inspection certification or re-certification as required by the State of North Carolina.

Marine Captain's Course

This course will provide students with the information necessary to take the U.S. Coast Guard examination for licensing as an Operator of Uninspected Passenger Vessels or the Master's License for vessels up to 100 gross tons, on inland, near coastal or ocean waters.

Notary

This course is required by the state of North Carolina in order to apply to become notary. All requirements for becoming a notary are covered in this course.

Aviation Ground School

This course is designed to provide all ground school training for people interested in flying or working with the FAA as a tower operator or radar operator. This course is only classroom time and does not include flight lessons.

Burgaw Center

100 East Industrial Drive, Burgaw, North Carolina 28425
Phone: (910) 259-4966 or 362-7900 Fax: (910) 259-9048

The CFCC - Burgaw Center offers continuing education classes at this Pender County location. Pre-registration is required, call: (910) 259-4966. The curriculum classes that meet in Burgaw Center are registered through the main campus at CFCC in Wilmington, NC.

Computer Classes
Nurse Aide 1 & II
Geriatric Nurse Aide
Manicuring Technology
Spanish Conversation in the Workplace I, II
Wastewater Treatment Plant Operator I, II, III, IV
ABE/GED Classes
Crafts
Oil Painting
Adult High School
Compensatory Education Development (CED)
English As A Second Language (ESL)
Human Resources Development Courses

Pre-registration required, call: (910) 362-7900 or (910) 259-4966 for more information.

Surf City Community Center

201 Community Center Drive
Surf City, North Carolina 28445

The CFCC - Burgaw Center offers continuing education classes at the Surf City Community Center. Pre-registration is required, call: (910) 259-4966 or (910) 362-7900.

Green Building Overview

Provides instruction in the current trends in green building.

L.E.E.D. Exam Preparation

Course is designed as an exam preparation course for the Leadership in Energy and Environmental Design (LEED) Green Building Rating System.

Computers for Beginners

Introductory computer course includes Microsoft Office (Word, Excel & PowerPoint), keyboarding, internet basics including email, job search and development. Some instruction in computer hardware and security issues.

Intermediate Computer Skills

A continuation of the Computers for Beginners class which included Microsoft Office (Word, Excel & PowerPoint), keyboarding, Internet, email, job search, and development. Studies will be more in depth and advanced in this class.

Basic Digital Photography

This course will introduce the student to all of the basics in the operation of a digital camera. Topics include understanding the manual, basic camera settings, lighting concepts, etc. Students must bring their own camera to class.

Distance Learning

Distance Learning (DL) is defined by the Southern Association of Colleges and Schools (SACS, 2000) as a formal educational process in which the majority of the instruction occurs when student and instructor are not in the same place. Instruction may be synchronous or asynchronous. The goal of DL is to provide an alternative delivery system for students who, for various reasons, prefer a non-traditional learning environment and to provide additional access to course offerings. Courses may be offered via the Internet or Hybrid courses using appropriate audio, video or other computer technologies.

Internet or online courses provide course content over the internet. Some courses may require proctored testing, which can be given at an approved, off-campus, proctored location. Internet courses require a minimum of 6-10 hours of independent study per week. Hybrid courses meet on-campus as well as online. Students meet at designated times throughout the semester on-campus in addition to participating online. Students in a hybrid course will need computer and internet access.

Suggested computer requirements for both Internet and Hybrid courses include reliable internet access (high-speed preferred), an up to date operating system such as Windows 2000 or XP, and word processing software (Microsoft Word preferred). For additional information on computer requirements, go to: http://cfcc.edu/dl/

Distance Learning (DL) courses follow the same college calendar as traditional face-to-face courses and are not self-paced. Beyond basic computer skills, successful DL students should be highly self-motivated, resourceful, and independent learners. Critical thinking skills, time management, and organizational skills are also beneficial to DL students. Go to the CFCC website for Distance Learning at http://cfcc.edu/dl/ for additional information and to the WebAdvisor link for current DL courses. A Tutorial for any student considering enrollment in a Internet or Hybrid course can be accessed by using the generic username/password given on the login page at: http://online.cfcc.edu

DL courses follow the same college requirements as traditional courses. College policies, such as withdrawal and financial aid also apply to DL courses. The Admissions Office provides students with an online admission application which can be found at http://cfcc.edu/admissions. For further information on Distance Learning, go to http://cfcc.edu/dl/

PROGRAMS OF STUDY

	Code	Degree	Diploma	Certificate
COLLEGE TRANSFER PROGRAMS				
Associate in Arts General Studies	A10100	AA	*	
Associate in Arts				
Pre-Majors				
Art Education	A1010A	AA		
Business Administration, Accounting, Economics, Finance, and Marketing (For students transferring to a four-year institution)	A1010B	AA		
Business Education & Marketing Education	A1010C	AA		
Communication/Communication Studies	A10100O	AA		
Criminal Justice (For students transferring to a four-year institution)	A1010D	AA		
Elementary Education	A1010R	AA		
English	A1010E	AA		
English Education	A1010F	AA		
History	A1010H	AA		
Information Systems	A1010V	AA		
Mass Communication/Journalism	A1010W	AA		
Middle Grades Education	A1011A	AA		
Nursing (For students transferring to a four-year institution)	A1010I	AA		
Political Science	A1010K	AA		
Psychology	A1010L	AA		
Social Work	A1010Q	AA		
Sociology	A1010N	AA		
Special Education	A1010Z	AA		
Associate in Science General Studies	A10400	AS	*	
Associate in Fine Arts				
Pre-Majors				
Art	A1020A	AFA		
Drama	A1020C	AFA		
Music and Music Education	A1020D	AFA		
TECHNICAL & VOCATIONAL PROGRAMS				
Accounting	A25100	AAS	*	*
Air Conditioning, Heating, and Refrigeration Technology	D35100		*	*
Architectural Technology	A40100	AAS		
Associate Degree Nursing	A45100	AAS		
Associate in General Education	A10300	AGE		
Automotive Mechanics (Automotive Systems Technology)	A60160	AAS		*
Basic Law Enforcement Training	C55120			*
Boat Building	D35120		*	*
Boat Manufacture and Service	D60330		*	
Business Administration	A25120	AAS		*
Banking and Finance	C25120B			*
Customer Service	C25120			*
Entrepreneurship	C25120E			*
Carpentry	D35180		*	*
Chemical Technology	A20120	AAS		
Collision Repair and Refinishing Technology	D60130		*	*
Community Spanish Interpreter (Limited classes available at present)	A55370	AAS	*	*
Computer Engineering Technology	A40160	AAS		*
Networking	C40160N			*
Security	C40160S			*
Web Development	C40160W			*

	Code	Degree	Diploma	Certificate
Computer Information Technology	A25260	AAS		*
Computer Integrated Machining	A50210	AAS		*
Construction Management Technology	A35190	AAS		*
Cosmetology	D55140		*	*
Criminal Justice Technology	A55180	AAS		
Criminal Justice Certificate	C55180			*
Industrial Security	C55180S			*
CulinaryArts	A55150	AAS		*
Dental Assisting	D45240		*	
Dental Hygiene	A45260	AAS		
Early Childhood Education	A55220	AAS	*	*
Electrical/Electronics Technology	A35220	AAS	*	*
Electronics Engineering Technology	A40200	AAS		*
Esthetics Instructor	C55270			*
Esthetics Technology	C55230			*
Film and Video Production Technology	A30140		*	*
Fire Protection Technology	A55240	AAS		
Hospitality Management	A25110	AAS		*
Industrial Systems Technology	A50240	AAS	*	*
Interior Design	A30220	AAS		
Landscape Gardening	A15260	AAS		*
Retention Pond Management	C15260R			*
Licensed Practical Nurse Refresher	C45390			*
Manicuring/Nail Technology	C55400			*
Marine and Diesel Mechanics (Heavy Equipment and Transport Technology)	A6024C	AAS	*	*
Marine Technology	A15320	AAS		
Mechanical Engineering Technology	A40320	AAS	*	*
Mechanical Engineering Technology-CAD Drafting	C40320C			*
Medical Office Administration	A25310	AAS		
Medical Sonography	A45440	AAS		
Medical Transcription	D25320		*	
Nuclear Technology	A50460	AAS		*
Occupational Therapy Assistant	A45500	AAS		
Paralegal Technology	A25380	AAS	*	
Civil Litigation Track	C25380C			*
Real Property Track	C25380R			*
Pharmacy Technology	A45580		*	
Phlebotomy	C45600			*
Practical Nursing	D45660		*	
Radiography	A45700	AAS		
Real Estate	C25400			*
Surgical Technology	A45740	AAS		
Sustainability Technologies	A40370	AAS		*
Truck Driver Training	C60300			*
Welding Technology	D50420		*	*

AA-Associate in Arts Degree (College Transfer) Two-Year Program
AS-Associate in Science Degree (College Transfer) Two-Year Program
AAS-Associate in Applied Science Degree Two-Year Program
AFA-Associate in Fine Arts Degree (College Transfer) Two-Year Program
AGE-Associate in General Education Degree Two-Year Program
Diploma-One-Year Program
Certificate-Program length varies

General Education
Values Statement

CFCC's General Education courses provide to learners the opportunity to attain a diverse set of skills, knowledge, and attributes. General Education courses may enhance learners' existing skills or introduce learners to new disciplines and subject areas. Upon completing CFCC's General Education Core of two-year programs, learners will have had the opportunity to develop competency in the following areas:

- Critical Thinking,
- Communication--Written and Oral,
- Quantitative Skills,
- Scientific Concepts and Application, and
- Computer Skills.

These areas of emphasis provide the academic foundation that learners need in order to succeed at the advanced levels of their academic and professional careers. Furthermore, these areas of emphasis reflect CFCC's commitment to building a "future-oriented workforce and a community of lifelong learners." Finally, the General Education Core aims to promote learners' appreciation for intellectual rigor, academic integrity, cultural diversity, and responsible citizenship.

North Carolina General Education Curriculum

All two-year degree programs at Cape Fear Community College (CFCC) comply with the program standards established by the North Carolina Community College System and include the appropriate number of general education core requirements: each degree program has a minimum of 15 credit hours in the general education core. The Associate in Applied Science and the Associate in General Education have the required 15 credit hours. The Associate in Arts and the Associate in Science programs have the minimum 44 credit hours while the Associate in Fine Arts programs have the required 28 credit hours. In the transfer programs, the core classes may be used as electives, but the electives may not be used as core requirements.

The general education subject areas may include some or all of the following: communications, humanities and fine arts, social and behavioral sciences, natural sciences--physical and biological, and mathematics. Degree of attainment and expected demonstration of these competencies are dependent upon the unique needs of the degree, diploma, and certificate program.

College Transfer

General Information and Articulation Agreements

University of North Carolina Minimum Admission Requirements, Effective Fall 2006

(More commonly referred to as “Minimum Course Requirements” or “MCR”)

To enroll in a senior institution in the University of North Carolina (UNC) System, students whose high school class graduated in 1990 or later must have completed the following high school requirements:

- Four (4) units of English (emphasizing grammar, composition, and literature)
- Two (2) units of a language other than English
- Four (4) units of mathematics in any of the following combinations:
  - Algebra I and II and geometry and one unit beyond Algebra II, or
  - Algebra I and II and two units beyond Algebra II, or
  - Integrated Mathematics I, II, and III and one unit beyond Integrated Math III (The fourth unit of mathematics affects applicants to all UNC institutions except the North Carolina School of Arts. The mathematics courses with Algebra II as a perequisite that meet the new UNC Minimum Course Requirement are AP Calculus; AP Statistics; Pre-Calculus, formerly Advanced Math; Discrete Mathematics; IB Mathematics IV; and Advanced Functions and Modeling.)
- Two (2) units of social studies (including one unit of US history)
- Three (3) units of science (including a unit of life or biological science, a unit of physical science, and at least one laboratory course).

If a student has not met all the above requirements, the student is considered deficient in MCR. To remove an MCR deficiency and enroll in the UNC System, a student may choose one of the following options:

- Earn an Associate in Arts degree or an Associate in Science degree or an Associate in Fine Arts Degree
- Complete the 44-hour general education core (Recommendation: Students deficient in MCR should take two math courses having M-A-T prefixes. When students are deficient in MCR, some senior institutions will not accept CIS courses as the second mathematics unless the student has completed an Associate in Arts or an Associate in Science Degree.)

Complete the following:

- Six (6) semester hours of freshman composition.
- Six (6) semester hours of a foreign language sequence.
- Six (6) semester hours of college-level mathematics (must have an M-A-T prefix).
- Six (6) semester hours of natural sciences.
- Six (6) semester hours of social and behavioral sciences.

Students should always check with the Admissions Office of the receiving institution for the most current transfer information. The UNC institutions may waive some of the minimum requirements for applicants who require special consideration.

The North Carolina Comprehensive Articulation

Agreement *(Date of Implementation: Fall of 1997)*

To facilitate the transfer of students between the North Carolina Community College System and the constituent institutions of the University of North Carolina System, the North Carolina General Assembly mandated the Comprehensive Articulation Agreement (CAA). The CAA applies to students who are pursuing an Associate in Arts or an Associate in Science degree and provides guidance to those who are pursuing an Associate in Fine Arts degree. The main difference between the Associate in Arts and the Associate in Science degrees is that the Associate in Science degree requires a stronger background in math and science. Both degrees consist of a general education core of at least 44 semester hours and 20-21 semester hours of electives. Since the Associate in Fine Arts degree contains only 28 semester hours in the general education core, students may still be required to complete the core or the basic studies requirements of the receiving institution. The core provides opportunities for students to know the philosophy, literature, institutions, and art of their own culture and other cultures; to understand math and science; to communicate with others and develop a sense of community. The core also helps students achieve competencies in the following: reading, writing, oral communication, fundamental mathematical skills, and the basic use of computers. The electives provide opportunities for students to explore other areas of interest.

While general education courses may be used as electives, electives may not be used to fulfill general education requirements. Students must meet the receiving university's foreign language and/or health and physical education requirements, if applicable, before or after transfer to the senior institution. Only 64 semester hours are guaranteed to transfer.

To receive maximum benefit from the CAA, students may transfer as juniors if they follow these guidelines:

- Earn an Associate in Arts degree or an Associate in Science degree.
- Earn a grade of “C” or better in all CAA courses.
- Earn an overall grade-point average of a “C” or a 2.0 at the time of transfer (Note: If the entering grade-point average of the receiving institution is higher than the 2.0 CAA grade-point average, the student must comply with the requirement of the receiving institution. Students should always contact the receiving institutions for the latest information about admission and program standards.)
- Obtain acceptance at the UNC institution.

If students elect not to obtain an associate degree, they may still transfer their general education core (44 semester hours) provided that they have earned a “C” in each CAA course, earned an overall grade-point average of a “C” (or the grade-point average specified by the senior institution), and obtained acceptance.

If students do not complete an associate degree (minimum of 64 semester hours) or the general education core (minimum of 44 semester hours), receiving institutions will evaluate the transfer credits on a course-by-course basis; and students will come under the basic studies requirements of the receiving institution. Students may lose credits and/or their core courses may become electives.

Under the CAA, no student is guaranteed admission to the UNC institution of his/her choice or to any specific program or professional school in the institution. Admission is a competitive process.

Transfer Core Diploma

Effective Fall of 2007, CFCC students may earn a transfer diploma in the following programs: Associate in Arts: General Studies and Associate in Science: General Studies. The transfer diploma may be awarded to students who complete the general education core of an Associate in Arts or an Associate in Science program and who plan to transfer without an associate degree.

The diploma for an Associate in Arts program must contain 44-47 semester-hour credits (SHC) and include the following:

A total of 44-46 SHC from the general education core, consisting of

- 6 SHC of English composition
- 12 SHC of humanities/fine arts
- 12 SHC of social/behavioral sciences
- 6 SHC of mathematics
- 8 SHC of natural science.

OPTIONAL: A transfer elective or a non-college transfer course of one (1) semester hour may be included as long as the course is listed in the two-year degree Associate in Arts: General Studies program. This credit hour is optional.

The diploma for an Associate in Science program must contain 44-47 semester hours and include the following:

A total of 44-46 SHC from the general education core, consisting of
- 6 SHC of English composition
- 9 SHC of humanities/fine arts
- 9 SHC of social/behavioral sciences
- 20 SHC of natural sciences and mathematics, which includes a minimum of 6 SHC of mathematics and 8 SHC of natural sciences.

OPTIONAL: A transfer elective or a non-college transfer course of one (1) semester hour may be included as long as the course is listed in the two-year degree Associate in Science: General Studies program. This credit hour is optional.

All students are still encouraged to complete an associate degree and receive the maximum benefit of the Comprehensive Articulation Agreement (CAA). The diploma enables students to receive the minimum benefit of the CAA. The diploma, the first level of CAA protection, benefits students and senior institutions as follows: 1) the general education core will not be evaluated on a course-by-course basis 2) students completing the core would have met the basic studies requirements of the receiving UNC institution, and 3) senior institutions can expedite the process of transcript evaluation.

Note: Students who have graduated from high school and are deficient in the minimum course requirements (MCR), may remove their deficiency by obtaining a Transfer Core Diploma. These students are advised to take two math courses with M-A-T prefixes because some colleges/universities will not recognize CIS 110 as the second math if students are deficient in the MCR. Students who choose to remove an MCR deficiency by completing an associate degree, however, may use CIS 110 as the second math.

Transfer Assured Admissions Policy (TAAP)
The Comprehensive Articulation Agreement (CAA) assures the admission of North Carolina community college graduates admission to one of the sixteen (16) University of North Carolina (UNC) institutions with the following stipulations:

- Admission is not assured to a specific campus or program or major.
- Students must have graduated from a North Carolina community college with an Associate in Arts or an Associate in Science degree.
- Students must meet all requirements of the CAA.
- Students must have a minimum grade-point average of 2.0 on a 4.0 scale, as calculated by the college from which they graduated, and a grade of "C" or better in all CAA courses. (Note: If the entering grade-point average of the receiving institution is higher than the 2.0 CAA grade-point average, the student must comply with the requirement of the receiving institution. Students should always contact the receiving institutions for the latest information about admission and program standards.)
- Students must be academically eligible for re-admission to the last institution attended.
- Students must meet judicial requirements for the institution to which they apply.
- Students must meet all application requirements at the receiving institution, including the submission of all required documentation by stated deadlines.

If a student is denied admission to a UNC institution, he or she should receive a letter from that institution directing the student to the College Foundation of North Carolina (CFNC) website. At the CFNC website (CFNC.org), the student will be presented with the conditions of the TAAP. If these conditions are met, the student will be given information regarding space availability and contacts within other UNC institutions. The student should contact those institutions and get specific information about admissions and available majors.

If the steps above do not result in admission to a UNC institution, then the student should contact the CFNC Resource Center at 1-866-866-CFNC.

NOTE: UNDER THE STATEWIDE COMPREHENSIVE ARTICULATION AGREMENT, NO STUDENT IS GUARANTEED ACCEPTANCE TO ANY UNC INSTITUTION.

The Articulation Agreement Between Cape Fear Community College and The University of North Carolina at Wilmington
Effective March 1, 1999, the University of North Carolina at Wilmington (UNCW) agrees to accept for academic credit college transfer course work completed at Cape Fear Community College (CFCC). Graduates of a college transfer program at CFCC may receive automatic admission provided that space is available, which is usually in the summer and the fall, and may transfer to UNCW as a junior if they meet the following criteria:

- Earn at least a "C" in each transferable course
- Earn an overall grade-point average of a "B" or a 3.0 on a 4.0 scale (based on CFCC's calculation)
- Complete an Associate in Arts degree or an Associate in Science degree
- Complete the admissions process at UNCW.

One foreign language course (3 SHC) is required under the bilateral agreement. The course may be taken at CFCC or UNCW. Sixty-four (64) semester hours are guaranteed to transfer.

Purpose of the College Transfer Programs
Most of the college transfer programs provide the first two years or the basic studies requirements of a baccalaureate degree. If students plan to transfer to a four-year college or university, they should declare a college transfer program as their program of study. Cape Fear Community College (CFCC) offers twenty-three (23) college transfer programs: two (2) general studies and twenty-one (21) pre-majors. The general studies programs enable a student to transfer as a junior at one of the sixteen institutions in the University of North Carolina (UNC) System; the pre-majors are specific college transfer programs or guidelines that enable a student to transfer as a junior in the major at a UNC institution. Courses in the pre-majors are more selective than the courses in the general studies programs.

These academic programs help students develop the abilities to solve problems, understand scientific principles, write and speak effectively, use computers, reason and think critically, research, understand cultures, manipulate numerical data, and work in teams—invaluable workplace skills for the 21st century. Across the college transfer curricula, faculty try to adapt to students' learning styles by using a variety of teaching techniques. In turn, students are expected to adapt to a variety of teaching styles. To evaluate student performance, faculty use some of the following methods: critical analysis papers and research papers; article reviews; book critiques; organized discussions; video summaries and applications; journals and novels; study guides/concept sheet assignments; readers' analysis of readings; debates; current events papers; project/oral presentations; exams/quizzes (true/false, fill in the blanks, short answers, multiple choice, essay); portfolios; hands-on assignments and faculty observation; peer reviews; role-playing; resumes, business letters, and compositions.

Enrollment in the college transfer programs average 3,400 students per semester, excluding summer sessions. A majority of CFCC students transfer to UNC-Wilmington, East Carolina University, Appalachian State University, North Carolina State University, and UNC-Charlotte. The following website provides reports on the academic performance of North Carolina Community College System students who transfer to UNC institutions: http://www.ga.unc.edu/student_info/tsp/.

Pre-majors are generic programs or simply guidelines because they try to find a middle ground and satisfy the respective programs at UNC institutions. If CFCC does not offer the AA or AS pre-major for the respective UNC major or if the pre-major does not align itself with the respective major, the student may use the Associate in Arts: General Studies program and select the courses that best parallel the courses in the respective UNC major.

Selection of College Transfer Courses
The Transfer Advisory Committee, consisting of university and community college faculty in North Carolina, established a list of courses that constitutes the general education transfer core. From this list, faculty and administrators in the Arts and Sciences Division at CFCC selected 223 courses to design the college transfer programs. While all 223 courses are listed in the Associate in Arts: General Studies program, all the courses may not appear in each college transfer program. In general, those courses that are listed in a college transfer program may count toward that program. If a student plans to take courses that are not listed in his/her program, the student should first check with a counselor, a transfer advisor, or the dean of Arts and Sciences. The transfer programs consist of 44 semester hours of the general education core and a minimum of 20 semester hours of electives or other required hours. Exception: The Art, the Drama, and the Music and Music Education pre-majors consist of 28 semester hours of the general education core and a minimum of 36 semester hours of electives.

Purpose of the Associate in Arts: General Studies Program
The Associate in Arts: General Studies program is designed for students who intend to pursue a Bachelor of Arts degree and need a strong liberal arts background. This background helps provide students with flexibility in their career choice. The program is also designed for students who are certain of their liberal arts major, but CFCC does not offer the pre-major or the specialized transfer track. For example, a student planning to major in Health Education at a UNC institution should select the Associate in Arts: General Studies program because CFCC does not offer a Health Education pre-major.

Purpose of the Associate in Science: General Studies Program
The Associate in Science: General Studies program is designed for students who intend to pursue a Bachelor of Science Degree and need a strong background in math and science. The following are examples of science/math disciplines: agriculture, astronomy, biology, chemistry, engineering, forestry, math, math education, medicine, and textiles.

Differences Between the General Studies Programs
The Associate in Arts: General Studies and the Associate in Science: General Studies programs are similar except in five ways. The Associate in Science: General Studies program requires

- A higher-level math
- More math and science courses
- Fewer humanities/fine arts and social science courses
- A two-course sequence in general biology or general chemistry or general physics
- A minimum of 14-semester hour credits of electives in mathematics, natural sciences, computer science, and/or other pre-major courses.

Purpose of the Pre-majors
Fall of 1999, CFCC implemented thirteen pre-majors. A pre-major is a two-year college transfer program in a specific academic discipline and enables a student to transfer as a junior in the discipline. If a student completes a pre-major and meets the criteria of the statewide Comprehensive Articulation Agreement, the student may be eligible to trans-

fer to the receiving UNC institution as a junior in the major. CFCC offers 23 college transfer programs. Twenty-one (21) pre-majors or special transfer tracks are available for students who plan to major in the following: Art, Art Education; Business Administration, Accounting, Economics, Finance & Marketing (designed for any student who plans to obtain a non-teaching business degree at a UNC institution); Business Education and Marketing Education; Communication/Communication Studies; Criminal Justice; Drama; Elementary Education; English; English Education; History; Information Systems; Mass Communication/Journalism; Middle Grades Education; Music and Music Education; Nursing; Political Science; Psychology; Social Work; Sociology; and Special Education.

The pre-majors have more prescribed courses—mandatory or highly recommended—than the general studies programs. Each program description lists websites which identify the majors offered at the sixteen (16) UNC institutions and the twenty-three (23) private North Carolina colleges/universities that endorse the statewide Comprehensive Articulation Agreement.

Choosing a Program of Study

When choosing a program of study, students should

Consider their talents/abilities, personality, and passions/dreams.

Research the career of their choice for information about the following: the nature of the career, qualifications, salary range, market demand, employment locations, and related fields. For information about careers, students may visit CFCC's Career and Testing Services (Room A206, Galehouse Building,).

Be willing to change their program if they discover a more rewarding academic field. Through a classroom project, an extracurricular activity, or an interview with someone in a field, a student may decide his or her career goal. Review the websites about academic majors from senior institutions. The following are helpful: http://www.uncwil.edu/stuaff/career/Majors/ or http://eslmi15.esc.state.nc.us/soicc/occupations.

The 16 Public Institutions in the University of North Carolina System and Their Website Addresses

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Appalachian State University
http://www.appstate.edu/

East Carolina University
http://www.ecu.edu/admissions/

Elizabeth City State University
http://www.ecsu.edu/admissions/

Fayetteville State University
http://www.uncfsu.edu/admissions/

North Carolina A&T State University
http://www.ncat.edu/~admit/

North Carolina Central University
http://www.nccu.edu/Admissions/Transfer/index.shtml

North Carolina School of the Arts
http://www.ncarts.edu/

North Carolina State University
http://www.fis.ncsu.edu/uga/_vti_bin/shtml.exe/admissio.htm/map

UNC-Asheville
http://bulldog.unca.edu/admissions/

UNC-Chapel Hill:
http://www.unc.edu/admissions/

UNC-Charlotte
http://www.uncc.edu/admissions/

UNC-Greensboro
http://www.uncg.edu/reg/TransferCredits/CommCollege/CCindex.html

UNC-Pembroke
http://www.uncp.edu/admissions/HTML/transferadmissions.htm

UNC-Wilmington
http://www.uncwil.edu/admissions/TRNadm.htm

Western Carolina University
http://admissions.wcu.edu/

Winston-Salem State University
http://www.wssu.edu/admiss.asp

The 23 Private Colleges and Universities in North Carolina that Endorse the Statewide Comprehensive Articulation Agreement and Their Website Addresses

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Barton College
http://www.barton.edu/

Belmont Abbey College
http://www.belmontabbeycollege.edu/admissions/

Bennett College
http://www.bennett.edu/

Brevard College
http://www.brevard.edu/admissions/transfer.html

Campbell University
http://www.campbell.edu/adm/undergrad/credit.html

Catawba College
http://www.catawba.edu/prospect/index.htm

Chowan College
http://www.chowan.edu/

Gardner-Webb University
http://www.gardner-webb.edu/search.shtml

Johnson C. Smith University
http://www.jcsu.edu/admis.htm

Livingstone College
http://www.livingstone.edu/admissions.htm

Louisburg College
http://www.louisburg.edu/admissions/admissions.htm

Mars Hill College
http://www.mhc.edu/prospect.asp

Montreat College
http://www.montreat.edu/

Mount Olive College
http://www.mountolive.edu/Admissions/admissions.htm

North Carolina Wesleyan College
http://www.ncwc.edu/admission/

Peace College
http://www.peace.edu/index-flash.htm

Pfeiffer College
http://www.pfeiffer.edu/

Queens University of Charlotte
http://www.queens.edu/

Saint Andrews Presbyterian College
http://www.sapc.edu/main.html

St. Augustine's University
http://www.st-aug.edu/index2.htm

Shaw University
http://www.shawuniversity.edu/

Warren Wilson College
http://www.warren-wilson.edu/main/

Wingate University
http://www.wingate.edu/home.asp

College Transfer Advising Information
Currently enrolled students who plan to return to CFCC the subsequent semester, should make an appointment with their advisor ONE WEEK prior to the Advisement Period; meet with their advisor at the scheduled time, presenting a tentative schedule and an alternate list of courses; register online; and pay for their courses within two days of early registration.

In lieu of a face-to-face meeting, transfer students may do online advising by accessing the following website: http://cfcc.edu/advising/ct/Advising4.htm. All forms have been placed on the website for students' convenience. After completing the forms, students should submit their class schedules to their advisors. Advantages of the Advisement Period: A better chance of getting the classes at the times desired! More personal advising! An opportunity to avoid long lines during general registration! The Advisement Period is two weeks. When meeting with an advisor, students should have the following documentation available:

- A copy of their Transfer Credit Evaluation form—Students who have attended a post secondary institution and transferred credits to their CFCC program, should have received a Transfer Credit Evaluation form (often referred to as a "credit slip") that shows the course equivalencies. Generally, courses will transfer if they are similar to CFCC's courses in content and credit hours and if students have earned at least a "C-" in the courses. Courses earned at other North Carolina community colleges will transfer even if they are not taught at CFCC, provided that 1) the course is a transfer course; 2) there is room in the program for the course; and 3) the student has earned a grade of "C-" or better. Reminder: Students sometimes change programs and may lose or gain credit hours. When students are awarded "TR" credit (credit by transfer), "TR" appears on student transcripts. The grade of "C-" or higher appears on the Transfer Credit Evaluation form, not on the CFCC transcript, and is not computed in the grade-point average. It is the responsibility of a CFCC counselor to evaluate transcripts and award credit for the courses that count toward a program. An evaluation should occur at least six (6) weeks prior to registration, to insure that this step is completed in a timely manner.
- A copy of their placement scores--Most college transfer courses require students to be proficient in reading. ENG 111 requires proficiency in reading and in writing. The scores on the math placement test and sometimes the scores on the reading test determine math placement. If students are waived from any portion of the placement tests, students must have clearly stated documentation from a CFCC counselor, and the letter "W" (waived) will appear on the student's record.
- A current CFCC catalog/handbook--The catalog/handbook is the student's reference to course descriptions, program requirements, student rights, rules, and other information that helps students succeed academically. Students are responsible for knowing and meeting their program requirements, including the prerequisites and the corequisites. If students sign up for a class but have not met the prerequisite(s), students may be dropped from the class and will be counted absent for the days missed if they enroll in any class late. Students should

not bypass a prerequisite. Note: Students should also be aware that CFCC does not accept excused absences.

- A writing instrument –preferably a pencil—to complete the registration or drop/add form.
- A class schedule--Students should familiarize themselves with the information in the class schedule. This institution does not encourage class overrides—permission to enroll in a class when the class monitor indicates maximum student capacity. When selecting a course schedule, students should consider the class times, their work schedule, and their family responsibilities. If students withdraw from a class, they should complete a withdrawal form, have the instructor sign the form, and take it to the Admissions and Records Office for processing.

A complete list of the college transfer courses is listed on page 73 of this catalog. The class times are listed in the class schedules.

CFCC offers twenty-three (23) college transfer programs; students should know the specific name of their program to help ensure accurate advising. If students change their program of study, they should see a counselor and have their transcript reevaluated. Program changes should be made at least six weeks before the Advisement Period so that students will know the names of their advisors and will make an appointment on time.

Each college transfer program has curriculum worksheets housed in N203, S201, S202, S301, S312, S602 (Wilmington Campus) and the room outside of NA322 (North Campus). Students should fill out the appropriate worksheet, keep it updated, and have it available whenever they meet with an advisor. Completion of the worksheet will help students and advisors keep track of program requirements. This information is also available on the online degree audit by using the "Program Evaluation" link in Student WebAdvisor.

If students plan to receive the maximum benefit from the statewide Comprehensive Articulation Agreement (CAA), they are advised to complete their associate degree (64 semester hours). The more credit hours a student earns, the greater a student's opportunity to get the classes of choice, provided he or she registers early and pays the tuition on time. Students may also benefit from this agreement if they complete the general education core (44 semester hours). Students who do not wish to complete their degree or the general education core, should check with the receiving institution for updated transfer equivalencies and minimum requirements for transfer.

Associate in Fine Arts students should always consult with the receiving institution and be advised of the courses to take at CFCC.

Course Recommendations for Students Who Plan to Benefit from the CAA

Students are advised to complete the following:

- ENG 111 the first semester and ENG 112 or 113 or 114 the second semester. Since most college transfer courses require a proficiency in reading and various writing assignments, these two composition courses help students understand the writing process, develop the ability to produce expository prose, and develop good research skills. If students do not place into ENG 111, they should enroll in the appropriate developmental reading/writing course. Students taking a developmental reading/writing course are allowed to take a selected list of college transfer courses (listed in this catalog/handbook under the section entitled "Developmental Studies").
- A curriculum math course or the appropriate developmental math course to help prepare students for the curriculum math course.
- A natural science requirement.
- A computer class (if applicable).
- The remaining general education core.
- The electives or other required hours, generally totaling 20-21 semester hours. Depending on the program of study, students may fulfill all or part of their 20-21 semester hours by selecting additional general education courses and/or the electives listed in the Other Required Hours section of the program. Some programs, particularly the pre-majors, have electives that are mandatory (required) and/or highly recommended (not required but strongly suggested). These requirements or recommendations are listed on the curriculum worksheets. (Exception: the number of core hours and electives differ for the Associate in Fine Arts pre-majors.)

Reminders: Classes that generally fill quickly include the following:

ART 111—Art Appreciation
ART 261—Photography
BIO 110—Principles of Biology
BIO 111—General Biology I
BIO 168—Anatomy and Physiology I
BIO 169—Anatomy and Physiology II
CIS 110—Introduction to Computers
COM 110—Intro to Communication
COM 231—Public Speaking
ENG 111—Expository Writing
GEL 113—Historical Geology
GEL 120—Physical Geology
GER 111—Elementary German I
HUM 160—Introduction to Film
MUS 110—Music Appreciation
REL 110—World Religions
SPA 111—Elementary Spanish I
Distance learning classes.

The following classes have mandatory labs:

BIO 140
CHM 131
FRE 111
FRE 112
GER 111
GER 112
MAT 140
MAT 141
MAT 142
MAT 155
MAT 171
MAT 172
MAT 175
MAT 263
PHY 110
SPA 111
SPA 112

Each college transfer course designated as a lab has the letter "A" after the course number (example: CHM 131A). Students should select the lab section that corresponds with the lecture section (example: MAT 171, Section 2, and MAT 171A, Section 2).

Art Supplies—In addition to the purchase of a textbook, some art classes require students to purchase supplies. The following costs are estimations and will depend on the instructor, the place of purchase, and the maker/manufacturer: ART 121 – Design I, $75-$100; ART 131 – Drawing I, $80 –$100; ART 240 – Painting I, $150-$175 (an additional $80 needed if a class wants to learn about watercolors and oils/ acrylics.); and ART 261- Photography I, $120 for film, paper and supplies. ART 261 also requires students to have a manual 35-millimeter camera.

Math Supplies—Students are required to purchase a graphic calculator (an estimate of $100) if they enroll in the following math classes: MAT 155, 171, 172, 175, 271, 272, and 273. (TI-83+ is recommended.)

Fall of 2008, students enrolled in MAT 271, 272, and 273 calculus classes will be using a new software as an online supplement: WebAssign. This software will be included with the purchase of a new textbook from the CFCC bookstore. If purchased separately, however, the software will cost $25.

Internet, hybrid, and some face-to-face math courses require a MyMathLab student access card. This card is included with the purchase of a new textbook from the CFCC bookstore and is used to access the online portion of the class. If a used book is purchased, the card must be purchased separately at an additional cost of about $67.25.

PED or Physical Education Expense
Some PED courses require membership at an approved commercial facility. The cost is about $120. All PED courses require a physical activity component.

Staying Informed—Students should observe the school calendar, published in the front of the catalog, and read their CFCC email regularly to keep current. Such information as the following is provided: College Day at CFCC; announcements about UNCW representatives on campus, fall and spring semesters; the Spring Fling; announcements about the Advisement Period and the opening of the Advising Center; the dates for non-punitive withdrawals from classes.

SUMMARY—Currently enrolled students are advised to
- Get the proper documentation for advising
- Make an appointment and see their advisor during the Advisement Period or participate in online advising
- Register early
- Pay their tuition within two days of early registration and avoid being dropped from their classes for non-payment.

All currently enrolled students should see their advisor during the Advisement Period even if they do not plan to register early. If students prefer to wait until general registration, the same documentation mentioned above will be needed, the advising process may be more time-consuming, and many classes will be already full.

Students should keep all documentation—placement scores, credit slips, transcripts, and verification of their having met prerequisites—and present it to their instructors during the first week of class if such information is requested.

The Final Advising Steps

To help ensure that students will enroll in the appropriate courses and earn the appropriate credit hours, students should follow these steps:

- Read the program requirements in this catalog and understand the requirements.
- Make certain that they have completed the admission process—submitted an application, have acceptable placement scores sent officially to CFCC (no faxed copy) or have taken CFCC's placement test, have had their high school and post-secondary transcripts reviewed and recorded by CFCC's Admissions staff.
- Always check with a counselor at the senior institution they plan to attend for the latest admission requirements and for other advising information.
- See a CFCC advisor or the dean of Arts and Sciences or a counselor if you have any questions.
- Always complete a curriculum worksheet, located in the Arts and Sciences carousels and on the CFCC website (click on the "College Transfer Program," located on the left; click on the "Advising" menu; and then click on "Curriculum Worksheets"). This information is also available on the online degree audit by using the "Program Evaluation" link in Student WebAdvisor.
- Always register early and pay the tuition on time because some classes fill early.
- Review the courses on the back on the curriculum worksheet and select the general education core courses from the "General Education Core" section and not the"Other Required Hours" or elective section. Core classes may be used as electives, but electives may not be used as core courses.
- Count the credit hours. Reminders: An associate degree consists of a minimum of 64 credit hours. A transfer diploma consists of a minimum of 44 credit hours. Students who elect to transfer without a degree or a diploma may have their courses evaluated on a course-by-course basis and must comply with the basic studies requirement of the receiving institution. It is recommended that these students check the course equivalencies of the receiving institution.

A List of the College Transfer Courses Offered at CFCC

(Reminder: Students are responsible for knowing the prerequisites/corequisites and complying with them. The transfer of a course may depend on several factors, such as the grades earned in the courses, the semester that certain grades—below "Cs"-- were earned, the transfer equivalency sheets of senior institutions, and the number of credit hours earned from various institutions of higher education. Students should always review the transfer requirements of the receiving institution, particularly the course equivalency list.)

ACA 122
ACC 120
ACC 121
ANT 210
ANT 220
ART 111
ART 114
ART 115
ART 116
ART 117
ART 121
ART 122
ART 131
ART 132
ART 171
ART 212
ART 214
ART 231
ART 232
ART 240
ART 241
ART 245
ART 246
ART 247
ART 248
ART 250
ART 251
ART 252
ART 261
ART 262
ART 264
ART 265
ART 266
ART 267
ART 271
ART 281
ART 282
ART 283
ART 284
ART 285
ART 286
ART 288
BIO 110
BIO 111
BIO 112
BIO 130
BIO 140
BIO 140A
BIO 143
BIO 150
BIO 163
BIO 168
BIO 169
BIO 173
BIO 175
BUS 115
CHM 130
CHM 131
CHM 131A
CHM 132
CHM 151
CHM 152
CHM 251
CHM 252
CIS 110
CIS 115
CJC 111
CJC 121
CJC 141
COM 110
COM 111
COM 112
COM 120
COM 140
COM 150
COM 160
COM 231
COM 232
COM 233
COM 250
COM 251
COM 252
CSC 151
CTS 115
DRA 111
DRA 120
DRA 122
DRA 126
DRA 128
DRA 130
DRA 131
DRA 135
DRA 136
DRA 140
DRA 141
DRA 142
DRA 145
DRA 147
DRA 170
DRA 171
DRA 175
DRA 176
DRA 211
DRA 212
DRA 230
DRA 231
DRA 240
DRA 260
DRA 270
DRA 271
DRA 275
DRA 276
ECO 151
ECO 251
ECO 252
EDU 216
ENG 111
ENG 112
ENG 113
ENG 114
ENG 125
ENG 126
ENG 131
ENG 231
ENG 232
ENG 233
ENG 241
ENG 242
ENG 251
ENG 252
ENG 261
ENG 262
ENG 272
ENG 273
ENG 274
FRE 111
FRE 112
FRE 181
FRE 182
FRE 211
FRE 212
GEL 113
GEL 120
GER 111
GER 112
GER 181
GER 182
GER 211
GER 212
HIS 115
HIS 116
HIS 121
HIS 122
HIS 131
HIS 132
HIS 221
HIS 227
HIS 228
HIS 229
HUM 110
HUM 115
HUM 120
HUM 121
HUM 122
HUM 130
HUM 140
HUM 150
HUM 160
HUM 161
HUM 170
HUM 220
HUM 230
JOU 110
JOU 217
MAT 140
MAT 140A
MAT 141
MAT 141A
MAT 142
MAT 142A
MAT 155
MAT 155A
MAT 171
MAT 171A
MAT 172
MAT 172A
MAT 175
MAT 175A
MAT 263
MAT 263A
MAT 271
MAT 272
MAT 273
MUS 110
MUS 111
MUS 112
MUS 113
MUS 114
MUS 121
MUS 122
MUS 123
MUS 131
MUS 132
MUS 135
MUS 136
MUS 137
MUS 138
MUS 141
MUS 142
MUS 151
MUS 152
MUS 161
MUS 162
MUS 175
MUS 176
MUS 210
MUS 211
MUS 212
MUS 221
MUS 222
MUS 231
MUS 232
MUS 235
MUS 236
MUS 237
MUS 238
MUS 241
MUS 242
MUS 251
MUS 252
MUS 253
MUS 261
MUS 262
MUS 271
MUS 272
PED 110
PED 113
PED 117
PED 120
PED 124
PED 125
PED 128
PED 130
PED 132
PED 143
PED 145
PED 147
PED 148
PED 149
PED 154
PED 170
PED 210
PED 211
PED 216
PED 219
PHI 210
PHI 215
PHI 220
PHI 221
PHI 230
PHI 240
PHI 250
PHY 110
PHY 110A
PHY 151
PHY 152
POL 110
POL 120
POL 210
POL 220
PSY 150
PSY 211
PSY 241
PSY 259
PSY 263
PSY 281
REL 110
REL 111
REL 112
REL 211
REL 212
REL 221
SOC 210
SOC 213
SOC 220
SOC 230
SOC 232
SOC 234
SOC 240
SOC 242
SPA 111
SPA 112
SPA 141
SPA 161
SPA 181
SPA 182
SPA 211
SPA 212
SPA 221
SPA 231

ASSOCIATE IN ARTS
General Studies

A.A. Degree (A10100)

It is the responsibility of the student to know and to comply with the prerequisites and the corequisites listed in this catalog. If students have previous college credits, students are advised to check first with a counselor at the receiving institution (the institution in which they plan to attend upon leaving CFCC). A counselor at the receiving institution should advise students of the courses to take at CFCC if the students have credits from other institutions. Otherwise, students will be encouraged to 1) complete their associate degree, which consists of 64-65 semester hours, or, the general education core, which consists of 44 semester hours; 2) contact their CFCC advisor, register early, and pay their tuition on time; and 3) earn a grade of "C" or higher on the first attempt. Some UNC institutions have increased their admission requirements from a 2.0 to a 2.5 grade-point average. Students must always comply with the admission requirements of the receiving institution.

Note: The terms "electives" and "Other Required Hours" are the same. While courses in the General Education Core may be used as electives, electives may not be used in the General Education Core.

Important Websites

a. The following website provides more CFCC college transfer and advising information: http://cfcc.edu/transfer/.
b. The following website lists the academic programs offered at the sixteen (16) UNC institutions: http://www.northcarolina.edu/programs/index.php.
c. The following website lists the academic programs offered at the private or independent senior institutions in North Carolina: http://www.northcarolina.edu/content.php/assessment/reports/publications/api.htm.
d. Students who need assistance in deciding their major may visit CFCC's Career and Testing Services or visit the website about academic majors from their institution of choice. Examples: http://www.uncwil.edu/stuaff/career/Majors or https://www1.cfnc.org/Plan/For_A_Career/_default.aspx.

The *Associate in Arts: General Studies Degree* is designed to provide a broad background in the core courses of a liberal arts curriculum and comprises the first two years of a four-year baccalaureate degree. A strong liberal arts background provides students with flexibility in career options.

The program is recommended for students who plan to pursue a Bachelor of Arts Degree in a liberal arts discipline but who have not decided their academic major. This program is also recommended for students who have decided their liberal arts major, but CFCC does not offer the premajor in this discipline, that is, the specific college transfer track. For example, a student who plans to major in *Psychology* may enroll in the *Associate in Arts: Psychology* program (often referred to as the *Psychology* premajor). Students who plan to major in *Health Education* should select the Associate of Arts: General Studies program because CFCC does not offer the *Health Education* premajor.

Since requirements vary, it is the responsibility of each student to determine the specific requirements of the senior institution to which he or she plans to transfer. The student should be advised that while individual courses may be considered for transfer credit, most institutions give preference to applicants who have completed a two-year degree.

A student is eligible to be granted the Associate in Arts Degree upon completion of 64-65 semester hours, including all the required minimums outlined below.

Semester Hours Credit

GENERAL EDUCATION CORE ....44 SHC

English Composition..6 SHC

ENG 111	Expository Writing and	3
ENG 112	Argument-Based Research or	3
ENG 113	Literature-Based Research or	3
ENG 114	Professional Research and Reporting	3

Humanities/Fine Arts...9 SHC

Select three courses from at least two of the following areas: art, drama, foreign languages, interdisciplinary humanities, literature, music, philosophy, and religion. One course must be a literature course. Reminder: The elementary foreign language courses have mandatory labs, which are listed in the "Other Required Hours" section of this program.

1.	ART 111	Art Appreciation	3
	ART 114	Art History Survey I	3
	ART 115	Art History Survey II	3
	ART 116	Survey of American Art	3
	ART 117	Non-Western Art History	3
2.	DRA 111	Theatre Appreciation	3
	DRA 122	Oral Interpretation	3
	DRA 126	Storytelling	3
	DRA 211	Theatre History I	3
	DRA 212	Theatre History II	3
3.	ENG 131	Introduction to Literature	3
	ENG 231	American Literature I	3
	ENG 232	American Literature II	3
	ENG 233	Major American Writers	3
	ENG 241	British Literature I	3
	ENG 242	British Literature II	3
	ENG 261	World Literature I	3
	ENG 262	World Literature II	3

4.	FRE 111	Elementary French I	3
	FRE 112	Elementary French II	3
	FRE 211	Intermediate French I	3
	FRE 212	Intermediate French II	3
	GER 111	Elementary German I	3
	GER 112	Elementary German II	3
	GER 211	Intermediate German I	3
	GER 212	Intermediate German II	3
	SPA 111	Elementary Spanish I	3
	SPA 112	Elementary Spanish II	3
	SPA 211	Intermediate Spanish I	3
	SPA 212	Intermediate Spanish II	3
5.	HUM 110	Technology and Society	3
	HUM 115	Critical Thinking	3
	HUM 120	Cultural Studies	3
	HUM 121	The Nature of America	3
	HUM 122	Southern Culture	3
	HUM 130	Myth in Human Culture	3
	HUM 150	American Women’s Studies	3
	HUM 160	Introduction to Film	3
	HUM 161	Advanced Film Studies	3
	HUM 220	Human Values and Meaning	3
6.	MUS 110	Music Appreciation	3
	MUS 112	Introduction to Jazz	3
	MUS 113	American Music	3
	MUS 114	Non-Western Music	3
	MUS 210	History of Rock Music	3
	MUS 211	History of Country Music	3
	MUS 212	American Musical Theatre	3
7.	PHI 210	History of Philosophy	3
	PHI 215	Philosophical Issues	3
	PHI 220	Western Philosophy I	3
	PHI 221	Western Philosophy II	3
	PHI 230	Introduction to Logic	3
	PHI 240	Introduction to Ethics	3
8.	REL 110	World Religions	3
	REL 111	Eastern Religions	3
	REL 112	Western Religions	3
	REL 211	Intro to Old Testament	3
	REL 212	Intro to New Testament	3
	REL 221	Religion in America	3

Speech/Communication ....3 SHC

COM 231 is recommended.

COM 110	Intro to Communication	3
	or	
COM 120	Interpersonal Communication	3
	or	
COM 140	Intro Intercultural Com	3
	or	
COM 231	Public Speaking	3

Social/Behavioral Sciences ....12 SHC

Select four courses from at least three of the following areas: anthropology, economics, history, political science, psychology, and sociology. One course must be a history course.

1.	ANT 210	General Anthropology	3
	ANT 220	Cultural Anthropology	3
2.	ECO 151	Survey of Economics	3
	ECO 251	Prin of Microeconomics	3
	ECO 252	Prin of Macroeconomics	3
3.	HIS 115	Intro to Global History	3
	HIS 121	Western Civilization I	3
	HIS 122	Western Civilization II	3
	HIS 131	American History I	3
	HIS 132	American History II	3
4.	POL 110	Intro to Political Science	3
	POL 120	American Government	3
	POL 210	Comparative Government	3
	POL 220	International Relations	3
5.	PSY 150	General Psychology	3
	PSY 241	Developmental Psychology	3
	PSY 281	Abnormal Psychology	3
6.	SOC 210	Introduction to Sociology	3
	SOC 213	Sociology of the Family	3
	SOC 220	Social Problems	3
	SOC 230	Race and Ethnic Relations	3
	SOC 240	Social Psychology	3

Natural Sciences/Mathematics...............................14 SHC

Natural Sciences .... 8 SHC

Select two courses, including accompanying laboratory work, from the biological and/or physical science disciplines.
Reminder: BIO 140, CHM 131 and PHY 110 have mandatory labs.

1.	BIO 110	Principles of Biology	4
	BIO 111	General Biology I	4
	BIO 112	General Biology II	4
	BIO 130	Introductory Zoology	4
	BIO 140	Environmental Biology	3
	BIO 140A	Environmental Biology	1
2.	CHM 131	Intro to Chemistry	3
	CHM 131A	Intro to Chemistry Lab	1
	CHM 151	General Chemistry I	4
	CHM 152	General Chemistry II	4
3.	GEL 113	Historical Geology	4
	GEL 120	Physical Geology	4
4.	PHY 110	Conceptual Physics	3
	PHY 110A	Conceptual Physics Lab	1
	PHY 151	College Physics I	4
	PHY 152	College Physics II	4

Math .... 6 SHC

Two courses are required. Select one or two courses from List I below or select the second course from List II below. Reminder: Students may not take any of these combinations: MAT 171/175 OR MAT 172/175.

The following courses have mandatory labs: MAT 140, 141, 142, 155, 171, 172, 175, and 263. These labs are electives and are listed in the "Other Required Hours" section of this program.

List I

MAT 140	Survey of Mathematics	3
MAT 141	Mathematical Concepts I	3
MAT 142	Mathematical Concepts II	3
MAT 171	Precalculus Algebra	3
MAT 172	Precalculus Trigonometry	3
MAT 175	Precalculus	4
MAT 263	Brief Calculus	3
MAT 271	Calculus I	4
MAT 272	Calculus II	4
MAT 273	Calculus III	4

List II

CIS 110	Introduction to Computers	3
MAT 155	Statistical Analysis	3

General Education Core ....44 SHC

OTHER REQUIRED HOURS (20-21 SHC)

Other required hours should be selected from the remaining general education courses and/or the electives listed below. Only 64 hours are guaranteed to transfer under the Comprehensive Articulation Agreement. ACA 122 may count as the 64th or the 65th hour.

ACA 122	College Transfer Success	1
ACC 120	Prin of Financial Accounting I	4
ACC 121	Prin of Managerial Accounting	4
ART 121	Design I	3
ART 122	Design II	3
ART 131	Drawing I	3
ART 132	Drawing II	3
ART 171	Computer Art I	3
ART 212	Gallery Assistantship I	1
ART 214	Portfolio and Resume	1
ART 231	Printmaking I	3
ART 232	Printmaking II	3
ART 240	Painting I	3
ART 241	Painting II	3
ART 245	Metals I	3
ART 246	Metals II	3
ART 247	Jewelry I	3
ART 248	Jewelry II	3
ART 250	Surface Design: Textiles	3
ART 251	Weaving I	3
ART 252	Weaving II	3
ART 261	Photography I	3
ART 262	Photography II	3
ART 264	Digital Photography I	3
ART 265	Digital Photography II	3
ART 266	Videography I	3
ART 267	Videography II	3
ART 271	Computer Art II	3
ART 281	Sculpture I	3
ART 282	Sculpture II	3
ART 283	Ceramics I	3
ART 284	Ceramics II	3
ART 285	Ceramics III	3
ART 286	Ceramics IV	3
ART 288	Studio	3
BIO 143	Field Biology Minicourse	2
BIO 150	Genetics in Human Affairs	3
BIO 163	Basic Anat & Physiology	5
BIO 168	Anatomy and Physiology I	4
BIO 169	Anatomy and Physiology II	4
BIO 173	Microbes in World Affairs	3
BIO 175	General Microbiology	3
BUS 115	Business Law I	3
CHM 130	Gen, Org, & Biochemistry	3
CHM 251	Organic Chemistry I	4
CHM 252	Organic Chemistry II	4
CIS 115	Intro to Programming and Logic	3
CJC 111	Intro to Criminal Justice	3
CJC 121	Law Enforcement Operations	3
CJC 141	Corrections	3
COE 111	Co-op Work Experience I	1
COM 111	Voice and Diction I	3
COM 150	Intro to Mass Communication	3
COM 160	Small Group Communication	3
COM 232	Election Rhetoric	3
COM 233	Persuasive Speaking	3
COM 250	Public Communication	3
COM 251	Debate I	3
COM 252	Debate II	3
CSC 151	JAVA Programming	3
CTS 115	Info Systems Business Concept	3
DRA 120	Voice for Performance	3
DRA 128	Children's Theatre	3
DRA 130	Acting I	3
DRA 131	Acting II	3
DRA 135	Acting for the Camera I	3
DRA 136	Acting for the Camera II	3
DRA 140	Stagecraft I	3
DRA 141	Stagecraft II	3
DRA 142	Costuming	3
DRA 145	Stage Make-up	2
DRA 147	Sound Technology	3
DRA 170	Play Production I	3
DRA 171	Play Production II	3
DRA 175	Teleplay Production I	3
DRA 176	Teleplay Production II	3
DRA 230	Acting III	3
DRA 231	Acting IV	3
DRA 240	Lighting for the Theatre	3
DRA 260	Directing	3
DRA 270	Play Production III	3

DRA 271	Play Production IV	3
DRA 275	Teleplay Production III	3
DRA 276	Teleplay Production IV	3
EDU 216	Foundations in Education	4
ENG 125	Creative Writing I	3
ENG 126	Creative Writing II	3
ENG 272	Southern Literature	3
ENG 273	African-American Literature	3
ENG 274	Literature by Women	3
FRE 181	Elementary French Lab1	1
FRE 182	Elementary French Lab 2	1
GER 181	Elementary German Lab 1	1
GER 182	Elementary German Lab 2	1
HIS 116	Current World Problems	3
HIS 221	African-American History	3
HIS 227	Native American History	3
HIS 228	History of the South	3
HIS 229	History of the Old South	3
HUM 140	The History of Architecture	3
HUM 170	The Holocaust	3
HUM 230	Leadership Development	3
JOU 110	Intro to Journalism	3
JOU 217	Feature/Editorial Writing	3
MAT 140A	Survey of Mathematics Lab	1
MAT 141A	Mathematical Concept I Lab	1
MAT 142A	Mathematical Concept II Lab	1
MAT 155A	Statistical Analysis Lab	1
MAT 171A	Precalculus Algebra Lab	1
MAT 172A	Precalculus Trig Lab	1
MAT 175A	Precalculus Lab	1
MAT 263A	Brief Calculus Lab	1
MUS 111	Fundamentals of Music	3
MUS 121	Music Theory I	4
MUS 122	Music Theory II	4
MUS 123	Music Composition	1
MUS 131	Chorus I	1
MUS 132	Chorus II	1
MUS 135	Jazz Ensemble I	1
MUS 136	Jazz Ensemble II	1
MUS 137	Orchestra I	1
MUS 138	Orchestra II	1
MUS 141	Ensemble I	1
MUS 142	Ensemble II	1
MUS 151	Class Music I	1
MUS 152	Class Music II	1
MUS 161	Applied Music I	2
MUS 162	Applied Music II	2
MUS 175	Recording Techniques I	2
MUS 176	Recording Techniques II	2
MUS 214	Electronic Music I	2
MUS 215	Electronic Music II	2
MUS 221	Music Theory III	4
MUS 222	Music Theory IV	4
MUS 231	Chorus III	1
MUS 232	Chorus IV	1
MUS 235	Jazz Ensemble III	1
MUS 236	Jazz Ensemble IV	1
MUS 237	Orchestra III	1
MUS 238	Orchestra IV	1
MUS 241	Ensemble III	1
MUS 242	Ensemble IV	1
MUS 251	Class Music III	1
MUS 252	Class Music IV	1
MUS 253	Big Band	1
MUS 261	Applied Music III	2
MUS 262	Applied Music IV	2
MUS 271	Music History I	3
MUS 272	Music History II	3
PED 110	Fit and Well for Life	2
PED 113	Aerobics I	1
PED 117	Weight Training I	1
PED 120	Walking for Fitness	1
PED 124	Run, Swim, Cycle	1
PED 125	Self-Defense--Beginning	1
PED 128	Golf-Beginning	1
PED 130	Tennis-Beginning	1
PED 132	Racquetball - Beginning	1
PED 143	Volleyball-Beginning	1
PED 145	Basketball-Beginning	1
PED 147	Soccer	1
PED 148	Softball	1
PED 149	Flag Football	1
PED 154	Swimming for Fitness	1
PED 170	Backpacking	1
PED 210	Team Sports	1
PED 211	New Games	1
PED 216	Indoor Cycling	1
PED 219	Disc Golf	1
PHI 250	Philosophy of Science	3
PSY 211	Psychology of Adjustment	3
PSY 259	Human Sexuality	3
PSY 263	Educational Psychology	3
SOC 232	Social Context of Aging	3
SOC 234	Sociology of Gender	3
SOC 242	Sociology of Deviance	3
SPA 141	Culture and Civilization	3
SPA 161	Cultural Immersion	3
SPA 181	Elementary Spanish Lab 1	1
SPA 182	Elementary Spanish Lab 2	1
SPA 221	Spanish Conversation	3
SPA 231	Reading and Composition	3

Total Semester Hours of Other Required Hours..... 20-21

Total Requirement in Semester Hours..................... 64-65

Recommended course: COM 231.

Sample Class Schedule for the Associate in Arts: General Studies Program

Fall Semester I	**SHC**
ENG 111	3
HUM 115	3
SPA 111/181	4
GEL 120	4
MAT 140/140A	4
	18

Spring Semester I	SHC
ENG 112	3
COM 231	3
PSY 150	3
BIO 110	4
CIS 110	3
	16

Fall Semester II	SHC
ENG 131	3
REL 110	3
HIS 132	3
SOC 210	3
POL 110	3
	15

Spring Semester II	SHC
MUS 110	3
BUS 115	3
ENG 273	3
HIS 227	3
ECO 151	3
	15

Note: Students must demonstrate their computer competency by completing CIS 110 or CIS 115 or CSC 151 or by completing the computer tutorial that is administered in the CFCC Learning Lab, Students who opt to complete the tutorial should already be proficient in computer usage.

Students must meet the receiving institution's foreign language and/or a health and physical education course (usually PED 110), if applicable, prior to or after transfer to the senior institution.

ASSOCIATE IN SCIENCE
General Studies

A.A. Degree (A10400)

It is the responsibility of the student to know and to comply with the prerequisites and the corequisites listed in this catalog. If students have previous college credits, students are advised to check first with a counselor at the receiving institution (the institution in which they plan to attend upon leaving CFCC). A counselor at the receiving institution should advise students of the courses to take at CFCC if the students have credits from other institutions. Otherwise, students will be encouraged to 1) complete their associate degree, which consists of 64-65 semester hours, or, the general education core, which consists of 44 semester hours; 2) contact their CFCC advisor, register early, and pay their tuition on time; and 3) earn a grade of "C"or higher on the first attempt. Some UNC institutions have increased their admission requirements from a 2.0 to a 2.5 grade-point average. Students must always comply with the admission requirements of the receiving institution.

Important Websites

a. The following website provides more CFCC college transfer and advising information: http://cfcc.edu/transfer/.
b. The following website lists the academic programs offered at the sixteen (16) UNC institutions: http://www.northcarolina.edu/programs/index.php.
c. The following website lists the academic programs offered at the private independent senior institutions in North Carolina: http://www.northcarolina.edu/content.php/assessment/reports/publications/api.htm
d. Students who need assistance in deciding their major may visit CFCC's Career and Testing Services or visit the website about academic majors from their institution of choice. Examples: http://www.uncwil.edu/stuaff/career/Majors orhttps://www1.cfnc.org/Plan/For_A_Career/_default.aspx.

The *Associate in Science: General Studies Degree* is designed to provide a broad background in the core courses of a liberal arts curriculum and comprises the first two years of a four-year baccalaureate degree.

This program is recommended for students who plan to pursue a Bachelor of Science Degree in a discipline that requires a strong background in mathematics and science. Such disciplines include the following: agriculture, biology, chemistry, dentistry, forestry, mathematics, medicine, pharmacy, and textiles. Students who do not plan to complete their degree at CFCC or obtain a transfer diploma, should first contact the Admissions Office of the senior institution and be advised of the courses to take at CFCC.

A student is eligible to be granted the associate degree upon completion of 64-65 semester-hour credits, including all the required minimums outlined below.

Semester Hours Credit

GENERAL EDUCATION CORE ....44 SHC

English Composition..6 SHC

ENG 111	Expository Writing	3
	and	
ENG 112	Argument-Based Research	3
	or	
ENG 113	Literature-Based Research	3
	or	
ENG 114	Professional Research and Reporting	3

Humanities/Fine Arts...6 SHC

Select two courses from two of the following areas: art, drama, foreign languages, interdisciplinary humanities, literature, music, philosophy, and religion. One course must be a literature course. Reminder: All elementary foreign language courses have mandatory labs.

1.	ART 111	Art Appreciation	3
	ART 114	Art History Survey I	3
	ART 115	Art History Survey II	3
	ART 116	Survey of American Art	3
	ART 117	Non-Western Art History	3
2.	DRA 111	Theatre Appreciation	3
	DRA 122	Oral Interpretation	3
	DRA 126	Storytelling	3
	DRA 211	Theatre History I	3
	DRA 212	Theatre History II	3
3.	ENG 131	Introduction to Literature	3
	ENG 231	American Literature I	3
	ENG 232	American Literature II	3
	ENG 233	Major American Writers	3
	ENG 241	British Literature I	3
	ENG 242	British Literature II	3
	ENG 261	World Literature I	3
	ENG 262	World Literature II	3
4	FRE 111	Elementary French I	3
	FRE 112	Elementary French II	3
	FRE 211	Intermediate French I	3
	FRE 212	Intermediate French II	3
	GER 111	Elementary German I	3
	GER 112	Elementary German II	3
	GER 211	Intermediate German I	3
	GER 212	Intermediate German II	3
	SPA 111	Elementary Spanish I	3
	SPA 112	Elementary Spanish II	3
	SPA 211	Intermediate Spanish I	3
	SPA 212	Intermediate Spanish II	3
5.	HUM 110	Technology and Society	3
	HUM 115	Critical Thinking	3
	HUM 120	Cultural Studies	3
	HUM 121	The Nature of America	3
	HUM 122	Southern Culture	3
	HUM 130	Myth in Human Culture	3
	HUM 150	American Women's Studies	3
	HUM 160	Introduction to Film	3
	HUM 161	Advanced Film Studies	3
	HUM 220	Human Values and Meaning	3
6.	MUS 110	Music Appreciation	3
	MUS 112	Introduction to Jazz	3
	MUS 113	American Music	3
	MUS 114	Non-Western Music	3
	MUS 210	History of Rock Music	3
	MUS 211	History of Country Music	3
	MUS 212	American Musical Theatre	3
7.	PHI 210	History of Philosophy	3
	PHI 215	Philosophical Issues	3
	PHI 220	Western Philosophy I	3
	PHI 221	Western Philosophy II	3
	PHI 230	Introduction to Logic	3
	PHI 240	Introduction to Ethics	3
8.	REL 110	World Religions	3
	REL 111	Eastern Religions	3
	REL 112	Western Religions	3
	REL 211	Intro to Old Testament	3
	REL 212	Intro to New Testament	3
	REL 221	Religion in America	3

Speech/Communication...3 SHC

COM 231 is recommended.

COM 110	Intro to Communication	3
	or	
COM 120	Interpersonal Communication	3
	or	
COM 140	Intro Intercultural Com	3
COM 231	Public Speaking	3

Social/Behavioral Sciences ....9 SHC

Select three courses from three of the following areas: anthropology, history, economics, political science, psychology, and sociology. One course must be a history course.

1.	ANT 210	General Anthropology	3
	ANT 220	Cultural Anthropology	3
2.	ECO 151	Survey of Economics	3
	ECO 251	Prin of Microeconomics	3
	ECO 252	Prin of Macroeconomics	3
3.	HIS 115	Intro to Global History	3
	HIS 121	Western Civilization I	3
	HIS 122	Western Civilization II	3
	HIS 131	American History I	3
	HIS 132	American History II	3

4.	POL 110	Intro to Political Science	3
	POL 120	American Government	3
	POL 210	Comparative Government	3
	POL 220	International Relations	3
5.	PSY 150	General Psychology	3
	PSY 241	Developmental Psych	3
	PSY 281	Abnormal Psychology	3
6.	SOC 210	Introduction to Sociology	3
	SOC 213	Sociology of the Family	3
	SOC 220	Social Problems	3
	SOC 230	Race and Ethnic Relations	3
	SOC 240	Social Psychology	3

Natural Sciences/Mathematics................................20 SHC

Natural Sciences .... 8 SHC

Select a two-course sequence in general biology, general chemistry, or general physics.

1.	BIO 111	General Biology I	4
	BIO 112	General Biology II	4
2.	CHM 151	General Chemistry I	4
	CHM 152	General Chemistry II	4
3.	PHY 151	College Physics I	4
	PHY 152	College Physics II	44

Math .... 6 SHC

Two courses are required. Select one or two courses from List I below or select the second course from List II below. Reminder: Students may not take any of these combinations: MAT 171/175 OR MAT 172/175.

The following courses have mandatory labs: MAT 155, 171, 172, and 175. These labs are electives and are listed in the "Other Required Hours" section of this program..

List I

MAT 171	Precalculus Algebra	3
MAT 172	Precalculus Trigonometry	3
MAT 175	Precalculus	4
MAT 271	Calculus I	4
MAT 272	Calculus II	4
MAT 273	Calculus III	44

List II

CIS 110	Introduction to Computers	3
MAT 155	Statistical Analysis	33

Additional Hours...6 SHC

Six additional hours must be selected from courses designated as Natural Sciences/Mathematics general education transfer courses. The following are included: Math and Science courses listed above, BIO 130, BIO 140/140A, CIS 115, GEL 113, GEL 120, MAT 155, and PHY 110.

General Education Core...44 SHC

OTHER REQUIRED HOURS (20-21 SHC)

Select at least 14 SHC (including required labs) from the list of math, science, and computer science courses in Group 1 below and/or from unused math, science, and computer science courses in the General Education Core above. Reminder: BIO 140 and PHY 110 have mandatory labs.

Group 1 ....14 SHC

BIO 130	Introductory Zoology	4
BIO 140	Environmental Biology	3
BIO 140A	Environmental Biology Lab	1
BIO 143	Field Biology Minicourse	2
BIO 150	Genetics in Human Affairs	3
BIO 163	Basic Anat & Physiology	5
BIO 168	Anatomy and Physiology I	4
BIO 169	Anatomy and Physiology II	4
BIO 173	Microbes in World Affairs	3
BIO 175	General Microbiology	3
CHM 130	Gen, Org, & Biochemistry	3
CHM 251	Organic Chemistry I	4
CHM 252	Organic Chemistry II	4
CIS 115	Intro to Programming and Logic	3
CSC 151	JAVA Programming	3
CTS 115	Info Systems Business Concepts	3
GEL 113	Historical Geology	4
GEL 120	Physical Geology	4
MAT 155A	Statistical Analysis Lab	1
MAT 171A	Precalculus Algebra Lab	1
MAT 172A	Precalculus Trig Lab	1
MAT 175A	Precalculus Lab	1
PHY 110	Conceptual Physics	3
PHY 110A	Conceptual Physics Lab	1

Select the remaining 6 or 7 SHC from any unused courses in the General Education Core and/or from the electives listed in Group 1 above and Group 2 below.

Group 2 .... 6-7 SHC

ACA 122	College Transfer Success	1
ACC 120	Prin of Financial Accounting	4
ACC 121	Prin of Managerial Accounting	4
ART 121	Design I	3
ART 122	Design II	3
ART 131	Drawing I	3
ART 132	Drawing II	3
ART 171	Computer Art I	3
ART 212	Gallery Assistantship I	1
ART 231	Printmaking I	3
ART 232	Printmaking II	3
ART 240	Painting I	3
ART 241	Painting II	3
ART 245	Metals I	3
ART 246	Metals II	3
ART 261	Photography I	3
ART 262	Photography II	3

ART 264	Digital Photography I	3
ART 265	Digital Photography II	3
ART 266	Videography I	3
ART 267	Videography II	3
ART 271	Computer Art II	3
ART 281	Sculpture I	3
ART 282	Sculpture II	3
ART 283	Ceramics I	3
ART 284	Ceramics II	3
ART 288	Studio	3
BUS 115	Business Law I	3
CJC 111	Intro to Criminal Justice	3
CJC 121	Law Enforcement Operations	3
CJC 141	Corrections	3
COE 111	Co-op Work Experience I	1
DRA 120	Voice for Performance	3
DRA 130	Acting I	3
DRA 131	Acting II	3
DRA 135	Acting for the Camera I	3
DRA 136	Acting for the Camera II	3
DRA 140	Stagecraft I	3
DRA 141	Stagecraft II	3
DRA 142	Costuming	3
DRA 145	Stage Make-up	2
DRA 170	Play Production I	3
DRA 171	Play Production II	3
DRA 175	Teleplay Production I	3
DRA 176	Teleplay Production II	3
DRA 270	Play Production III	3
DRA 271	Play Production IV	3
EDU 216	Foundations in Education	4
ENG 125	Creative Writing I	3
ENG 126	Creative Writing II	3
ENG 272	Southern Literature	3
ENG 273	African-American Literature	3
ENG 274	Literature by Women	3
FRE 181	Elementary French Lab1	1
FRE 182	Elementary French Lab 2	1
GER 181	Elementary German Lab 1	1
GER 182	Elementary German Lab 2	1
HIS 116	Current World Problems	3
HIS 221	African-American History	3
HIS 227	Native American History	3
HIS 228	History of the South	3
HIS 229	History of the Old South	3
HUM 140	History of Architecture	3
HUM 170	The Holocaust	3
HUM 230	Leadership Development	3
JOU 110	Intro to Journalism	3
JOU 217	Feature/Editorial Writing	3
MUS 111	Fundamentals of Music	3
MUS 121	Music Theory I	4
MUS 122	Music Theory II	4
MUS 123	Music Composition	1
MUS 131	Chorus I	1
MUS 132	Chorus II	1
MUS 135	Jazz Ensemble I	1
MUS 136	Jazz Ensemble II	1
MUS 137	Orchestra I	1
MUS 138	Orchestra II	1
MUS 141	Ensemble I	1
MUS 142	Ensemble II	1
MUS 151	Class Music I	1
MUS 152	Class Music II	1
MUS 161	Applied Music I	2
MUS 162	Applied Music II	2
MUS 175	Recording Techniques I	2
MUS 176	Recording Techniques I	2
MUS 214	Electronic Music I	2
MUS 215	Electronic Music II	2
MUS 221	Music Theory III	4
MUS 222	Music Theory IV	4
MUS 231	Chorus III	1
MUS 232	Chorus IV	1
MUS 235	Jazz Ensemble III	1
MUS 236	Jazz Ensemble IV	1
MUS 237	Orchestra III	1
MUS 238	Orchestra IV	1
MUS 241	Ensemble III	1
MUS 242	Ensemble IV	1
MUS 251	Class Music III	1
MUS 252	Class Music IV	1
MUS 253	Big Band	1
MUS 261	Applied Music III	2
MUS 262	Applied Music IV	2
MUS 271	Music History I	1
MUS 272	Music History II	1
PED 110	Fit and Well for Life	2
PED 113	Aerobics I	1
PED 117	Weight Training I	1
PED 120	Walking for Fitness	1
PED 124	Run, Swim, Cycle	1
PED 125	Self-Defense--Beginning	1
PED 128	Golf-Beginning	1
PED 130	Tennis-Beginning	1
PED 132	Racquetball - Beginning	1
PED 143	Volleyball-Beginning	1
PED 145	Basketball-Beginning	1
PED 147	Soccer	1
PED 148	Softball	1
PED 149	Flag Football	1
PED 154	Swimming for Fitness	1
PED 170	Backpacking	1
PED 210	Team Sports	1
PED 211	New Games	1
PED 216	Indoor Cycling	1
PED 219	Disc Golf	1
PHI 250	Philosophy of Science	3
PSY 211	Psychology of Adjustment	3
PSY 259	Human Sexuality	3
PSY 263	Educational Psychology	3
SOC 232	Social Context of Aging	3
SOC 234	Sociology of Gender	3
SOC 242	Sociology of Deviance	3
SPA 141	Culture and Civilization	3
SPA 161	Cultural Immersion	3
SPA 181	Elementary Spanish Lab 1	1
SPA 182	Elementary Spanish Lab 2	1

SPA 221	Spanish Conversation	3
SPA 231	Reading and Composition	3

Total Semester Hours of Other Required Hours 20-21

Total Requirement in Semester Hours 64-65
Students must meet the receiving university's foreign language and/or health and physical education requirements, if applicable, prior to or after transfer to the senior institution.

Recommended course: COM 231.

Sample Schedule for the Associate in Science: General Studies

Fall Semester I	**SHC**
ENG 111	3
COM 231	3
SPA 111/181	4
CHM 151	4
MAT 171/171A	4
	18

Spring Semester II	**SHC**
ENG 112	3
PSY 150	3
CHM 152	4
CIS 110	3
MAT 172/172A	4
	17

Fall Semester I	**SHC**
ENG 231	3
MAT 271	4
HIS 115	3
SOC 230	3
PHY 151	4
	17

Spring Semester II	**SHC**
MAT 272	4
PHY 152	4
MAT 155/155A	4
ECO 151	3
	15

Note: Students must demonstrate their computer competency by completing CIS 110, or CIS 115, or CSC 151, or by completing the computer tutorial that is administered in the CFCC Learning Lab, Students who opt to complete the tutorial should already be proficient in computer usage.

ASSOCIATE IN ARTS PRE-MAJORS

Art Education

A.A. DEGREE (A1010A)

It is the responsibility of the student to know and to comply with the prerequisites and the corequisites listed in this catalog. If students have previous college credits from other institutions, students are advised to check first with a counselor at the receiving institution (the institution in which they plan to attend upon leaving CFCC). A counselor at the receiving institution should advise students of the courses to take at CFCC if the students have credits from other institutions. Otherwise, students will be encouraged to 1) complete their associate degree, which consists of 64-65 semester hours, or, the general education core, which consists of 44 semester hours; 2) contact their CFCC advisor, register early, and pay their tuition on time; and 3) earn a grade of "C"or higher on the first attempt. While some UNC institutions accept students with a 2.0 grade-point average, other UNC institutions require at least a 2.5 grade-point average. Students must always comply with the admission requirements of the receiving institution.

Important Websites

a. The following website provides more CFCC college transfer and advising information: http://cfcc.edu/transfer/
b. The following website lists the academic programs offered at the sixteen (16) UNC institutions: http://www.northcarolina.edu/programs/index.php.
c. The following website lists the academic programs offered at the private independent senior institutions in North Carolina: http://www.northcarolina.edu/content.php/assessment/reports/publications/api.htm
d. Students who need assistance in deciding their major may visit CFCC's Career and Testing Services or visit the website about academic majors from their institution of choice. Examples: http://www.uncwil.edu/stuaff/career/Majors or https://www1.cfnc.org/Plan/For_A_Career/_default.aspx.

The *Art Education* premajor is designed for students who plan to pursue a Bachelor of Arts Degree in Art Education. Students who successfully complete this program and meet admissions requirements at the receiving institution, will be eligible to transfer to UNC institutions and some private senior institutions in North Carolina as juniors.

Application to a University
Admission application deadlines vary; students must meet the deadline for the university to which they plan to transfer. Upon successful completion of the associate degree, students who meet the requirements outlined in this pre-major articulation agreement may be eligible to be considered for admission as juniors to the universities offering the baccalaureate degree.

Admission to the Major
Grade-point average requirements vary, and admission is competitive across the several programs in Art Education. Admission to teacher licensure programs requires satisfactory scores on PRAXIS I and II.

Semester Hours Credit

GENERAL EDUCATION CORE ....44 SHC

English Composition..6 SHC

ENG 111	Expository Writing	3
	and	
ENG 112	Argument-Based Research	3
	or	
ENG 113	Literature-Based Research	3
	or	
ENG 114	Professional Research and Reporting	3

Humanities/Fine Arts..9 SHC

The following courses are required (6 SHC):

ART 114	Art History Survey I	3
ART 115	Art History Survey II	3

One course must be a literature course (3 SHC).

ENG 131	Introduction to Literature	3
ENG 231	American Literature I	3
ENG 232	American Literature II	3
ENG 233	Major American Writers	3
ENG 241	British Literature I	3
ENG 242	British Literature II	3
ENG 261	World Literature I	3
ENG 262	World Literature II	3

Speech/Communication...3 SHC

COM 231 is recommended.

COM 110	Intro to Communications	3
	or	
COM 120	Interpersonal Communications	3
	or	
COM 140	Intro Intercultural Com	3
	or	
COM 231	Public Speaking	3

Social/Behavioral Sciences ....12 SHC

Select four courses from at least three of the following areas: anthropology, economics, history, political science, psychology, and sociology. One course must be a history course.

1.	ANT 210	General Anthropology	3
	ANT 220	Cultural Anthropology	3
2.	ECO 151	Survey of Economics	3
	ECO 251	Prin of Microeconomics	3
	ECO 252	Prin of Macroeconomics	3
3.	HIS 115	Intro to Global History	3
	HIS 121	Western Civilization I	3
	HIS 122	Western Civilization II	3
	HIS 131	American History I	3
	HIS 132	American History II	3
4.	POL 110	Intro to Political Science	3
	POL 120	American Government	3
	POL 210	Comparative Government	3
	POL 220	International Relations	3
5.	PSY 150	General Psychology	3
	PSY 241	Developmental Psychology	3
	PSY 281	Abnormal Psychology	3
6.	SOC 210	Introduction to Sociology	3
	SOC 213	Sociology of the Family	3
	SOC 220	Social Problems	3
	SOC 230	Race and Ethnic Relations	3
	SOC 240	Social Psychology	3

Natural Sciences/Mathematics................................14 SHC

Natural Sciences .... 8 SHC

Select two courses, including accompanying laboratory work, from the biological and/or physical science disciplines. Reminder: BIO 140, CHM 131, and PHY 110 have mandatory labs.

1.	BIO 110	Principles of Biology	4
	BIO 111	General Biology I	4
	BIO 112	General Biology II	4
	BIO 130	Introductory Zoology	4
	BIO 140	Environmental Biology	3
	BIO 140A	Environmental Biology	1
2.	CHM 131	Intro to Chemistry	3
	CHM 131A	Intro to Chemistry Lab	1
	CHM 151	General Chemistry I	4
	CHM 152	General Chemistry II	4
4.	GEL 113	Historical Geology	4
	GEL 120	Physical Geology	4
5.	PHY 110	Conceptual Physics	3
	PHY 110A	Conceptual Physics Lab	1
	PHY 151	College Physics I	4
	PHY 152	College Physics II	4

Math .... *6 SHC*

Two courses are required. Select at least one course in introductory math. Reminder: MAT 140, 171, and 175 have mandatory labs; these labs are electives and are listed in the "Other Required Hours" section of this program. CIS 110 is the second math requirement.

Introductory Math Courses

MAT 140	Survey of Mathematics	3
MAT 171	Precalculus Algebra	3
MAT 175	Precalculus	4

Non-Introductory Math Course

CIS 110	Introduction to Computers	3

Total General Education Core .... 44 SHC

OTHER REQUIRED HOURS (20-21 SHC)

The following courses are required (10 SHC):

ART 121	Design I	3
ART 122	Design II	3
ART 131	Drawing I	3
ART 214	Portfolio and Resume	1

Ten (10) additional hours of approved college transfer courses are recommended. To satisfy this requirement, two of the following courses are recommended:

ART 116	Survey of American Art	3
	or	
ART 117	Non-Western Art History	3
ART 132	Drawing II	3
ART 171	Computer Art I	3
ART 231	Printmaking	3
ART 240	Painting I	3
ART 245	Metals I	3
ART 261	Photography I	3
	or	
ART 264	Digital Photography I	3
	or	
ART 266	Videography I	3
ART 283	Ceramics I	3

Other required hours should be selected from any unused general education core courses and/or the electives listed below. Students who plan to take additional math courses may not take the following combinations: MAT 171/175 OR MAT 172/175. Reminder: Some elementary foreign language courses have mandatory labs.

ACA 122	College Transfer Success	1
ART 111	Art Appreciation	3
ART 241	Painting II	3
ART 246	Metals II	3
ART 247	Jewelry I	3
ART 248	Jewelry II	3
ART 250	Surface Design:Textiles	3
ART 251	Weaving I	3
ART 252	Weaving II	3
ART 262	Photography II	3
ART 265	Digital Photography II	3
ART 267	Videography II	3
ART 271	Computer Art II	3
ART 281	Sculpture I	3
ART 282	Sculpture II	3
ART 284	Ceramics II	3
ART 288	Studio	3
BUS 115	Business Law I	3
CIS 115	Intro to Programming and Logic	3
CJC 111	Intro to Criminal Justice	3
COE111	Co-op Work Experience I	1
COM 111	Voice & Diction I	3
COM 160	Small Group Communication	3
COM 250	Public Communication	3
CSC 151	JAVA Programming	3
CTS 115	Info Systems Business Concept	3
DRA 111	Theatre Appreciation	3
DRA 122	Oral Interpretation	3
DRA 126	Storytelling	3
DRA 130	Acting I	3
DRA 131	Acting II	3
DRA 140	Stagecraft I	3
DRA 141	Stagecraft II	3
DRA 142	Costuming	3
DRA 145	Stage Make-up	2
DRA 170	Play Production I	3
DRA 171	Play Production II	3
DRA 211	Theatre History I	3
DRA 212	Theatre History II	3
EDU 216	Foundations in Education	4
ENG 125	Creative Writing I	3
ENG 126	Creative Writing II	3
ENG 272	Southern Literature	3
ENG 273	African-American Literature	3
ENG 274	Literature by Women	3
FRE 111	Elementary French I	3
FRE 112	Elementary French II	3
FRE 181	Elementary French Lab 1	1
FRE 182	Elementary French Lab 2	1
FRE 211	Intermediate French I	3
FRE 212	Intermediate French II	3
GER 111	Elementary German I	3
GER 112	Elementary German II	3
GER 181	Elementary German Lab 1	1
GER 182	Elementary German Lab 2	1
GER 211	Intermediate German I	3
GER 212	Intermediate German II	3
HIS 116	Current World Problems	3
HIS 221	African-American History	3
HIS 227	Native American History	3
HIS 228	History of the South	3
HIS 229	History of the Old South	3
HUM 110	Technology and Society	3
HUM 115	Critical Thinking	3
HUM 120	Cultural Studies	3
HUM 121	The Nature of America	3
HUM 122	Southern Culture	3
HUM 130	Myth in Human Culture	3

HUM 140	The History of Architecture	3
HUM 150	American Women's Studies	3
HUM 160	Introduction to Film	3
HUM 161	Advanced Film Studies	3
HUM 170	The Holocaust	3
HUM 220	Human Values and Meaning	3
HUM 230	Leadership Development	3
MAT 140A	Survey of Mathematics Lab	1
MAT 155	Statistical Analysis	3
MAT 155A	Statistical Analysis Lab	1
MAT 171A	Precalculus Algebra Lab	1
MAT 175A	Precalculus Lab	1
MAT 271	Calculus I	4
MAT 272	Calculus II	4
MAT 273	Calculus III	4
MUS 110	Music Appreciation	3
MUS 112	Introduction to Jazz	3
MUS 113	American Music	3
MUS 114	Non-Western Music	3
MUS 121	Music Theory I	4
MUS 122	Music Theory II	4
MUS 123	Music Composition	1
MUS 131	Chorus I	1
MUS 132	Chorus II	1
MUS 135	Jazz Ensemble I	1
MUS 136	Jazz Ensemble II	1
MUS 137	Orchestra I	1
MUS 138	Orchestra II	1
MUS 141	Ensemble I	1
MUS 142	Ensemble II	1
MUS 151	Class Music I	1
MUS 152	Class Music II	1
MUS 161	Applied Music I	2
MUS 162	Applied Music II	2
MUS 175	Recording Techniques I	2
MUS 176	Recording Techniques II	2
MUS 210	History of Rock Music	3
MUS 211	History of Country Music	3
MUS 212	American Musical Theatre	3
MUS 221	Music Theory III	4
MUS 222	Music Theory IV	4
MUS 231	Chorus III	1
MUS 232	Chorus IV	1
MUS 235	Jazz Ensemble III	1
MUS 236	Jazz Ensemble IV	1
MUS 237	Orchestra III	1
MUS 238	Orchestra IV	1
MUS 241	Ensemble III	1
MUS 242	Ensemble IV	1
MUS 251	Class Music III	1
MUS 252	Class Music IV	1
MUS 261	Applied Music III	1
MUS 262	Applied Music IV	1
MUS 271	Music History I	3
MUS 272	Music History II	3
PED 110	Fit and Well for Life	2
PED 113	Aerobics I	1
PED 117	Weight Training I	1
PED 120	Walking for Fitness	1
PED 124	Run, Swim, Cycle	1
PED 125	Self-Defense--Beginning	1
PED 128	Golf-Beginning	1
PED 130	Tennis-Beginning	1
PED 132	Racquetball - Beginning	1
PED 143	Volleyball-Beginning	1
PED 145	Basketball-Beginning	1
PED 147	Soccer	1
PED 148	Softball	1
PED 149	Flag Football	1
PED 154	Swimming for Fitness	1
PED 170	Backpacking	1
PED 210	Team Sports	1
PED 211	New Games	1
PED 216	Indoor Cycling	1
PED 219	Disc Golf	1
PHI 210	History of Philosophy	3
PHI 215	Philosophical Issues	3
PHI 220	Western Philosophy I	3
PHI 221	Western Philosophy II	3
PHI 230	Introduction to Logic	3
PHI 240	Introduction to Ethics	3
PHI 250	Philosophy of Science	3
PSY 211	Psychology of Adjustment	3
PSY 259	Human Sexuality	3
PSY 263	Educational Psychology	3
REL 110	World Religions	3
REL 111	Eastern Religions	3
REL 112	Western Religions	3
REL 211	Intro to Old Testament	3
REL 212	Intro to New Testament	3
REL 221	Religion in America	3
SOC 232	Social Context of Aging	3
SOC 234	Sociology of Gender	3
SOC 242	Sociology of Deviance	3
SPA 111	Elementary Spanish I	3
SPA 112	Elementary Spanish II	3
SPA 181	Elementary Spanish Lab 1	1
SPA 182	Elementary Spanish Lab 2	1
SPA 211	Intermediate Spanish I	3
SPA 212	Intermediate Spanish II	3

Total Semester Hours of Other Required Hours...... 20-21

Total Requirement in Semester Hours..................... 64-65

Students must meet the receiving university's foreign language and/or health and physical education requirements, if applicable, prior to or after transfer to the senior institution.

Recommended Courses: COM 231 and two of the following courses: ART 116 or 117; 171; 231; 240; 245; 261 or 264 or 266; and 283.

Business Administration, Accounting, Economics, Finance and Marketing

A.A. DEGREE (A1010B)

(For students transferring to a four-year institution)

It is the responsibility of the student to know and to comply with the prerequisites and the corequisites listed in this catalog. If students have previous college credits from other institutions, students are advised to first check with a counselor at the receiving institution (the institution in which they plan to attend upon leaving CFCC). A counselor at the receiving institution should advise students of the courses to take at CFCC if the students have credits from other institutions. Otherwise, students will be encouraged to 1) complete their associate degree, which consists of 64-65 semester hours, or, the general education core, which consists of 44 semester hours; 2) contact their CFCC advisor, register early, and pay their tuition on time; and 3) earn a grade of "C"or higher on the first attempt. While some UNC institutions accept students with a 2.0 grade-point average, other UNC institutions require at least a 2.5 grade-point average. Students must always comply with the admission requirements of the receiving institution.

Important Websites

a. The following website provides more CFCC college transfer and advising information: http://cfcc.edu/transfer/.
b. The following website lists the academic programs offered at the sixteen (16) UNC institutions: http://www.northcarolina.edu/programs/index.php.
c. The following website lists the academic programs offered at the private independent senior institutions in North Carolina: http://www.northcarolina.edu/content.php/assessment/reports/publications/api.htm
d. Students who need assistance in deciding their major may visit CFCC's Career and Testing Services or visit the website about academic majors from their institution of choice. Examples: http://www.uncwil.edu/stuaff/career/Majors orhttps://www1.cfnc.org/Plan/For_A_Career/_default.aspx.

The *Business Administration, Accounting, Economics, Finance and Marketing pre-major* is designed for students who plan to pursue a Bachelor of Arts Degree in one of the following at a senior institution: Business Administration, Accounting, Economics, Finance, or Marketing. Students who successfully complete this program and meet admissions requirements at the receiving institution may be eligible to transfer to the University of North Carolina (UNC) institutions and some private senior institutions in North Carolina as juniors in the major.

Application to a UNC University

Admission application deadlines vary; students must meet the deadline for the university to which they plan to transfer. Upon successful completion of the associate degree, students who meet the requirements outlined in this pre-major articulation agreement may be eligible to be considered for admission as juniors to the universities offering the baccalaureate degree. Students are encouraged to contact the senior institution to confirm degree offerings.

Admission to the Major

Grade-point average requirements vary and admission is competitive across the several programs in the business programs.

Semester Hours Credit

GENERAL EDUCATION CORE ....44 SHC

English Composition..6 SHC

ENG 111	Expository Writing	3
	and	
ENG 112	Argument-Based Research	3
	or	
ENG 113	Literature-Based Research	3
	or	
ENG 114	Professional Research and Reporting	3

Humanities/Fine Arts...9 SHC

Select three courses from at least two of the following areas: art, drama, foreign languages, interdisciplinary humanities, literature, music, philosophy, and religion. One course must be a literature course. Reminder: All elementary foreign language courses below require labs, which are listed in the "Other Required Hours" section.

1.	ART 111	Art Appreciation	3
	ART 114	Art History Survey I	3
	ART 115	Art History Survey II	3
	ART 116	Survey of American Art	3
	ART 117	Non-Western Art History	3
2.	DRA 111	Theatre Appreciation	3
	DRA 122	Oral Interpretation	3
	DRA 126	Storytelling	3
	DRA 211	Theatre History I	3
	DRA 212	Theatre History II	3
3.	ENG 131	Introduction to Literature	3
	ENG 231	American Literature I	3
	ENG 232	American Literature II	3
	ENG 233	Major American Writers	3
	ENG 241	British Literature I	3
	ENG 242	British Literature II	3
	ENG 261	World Literature I	3
	ENG 262	World Literature II	3
4.	FRE 111	Elementary French I	3
	FRE 112	Elementary French II	3
	FRE 211	Intermediate French I	3
	FRE 212	Intermediate French II	3
	GER 111	Elementary German I	3
	GER 112	Elementary German II	3
	GER 211	Intermediate German I	3
	GER 212	Intermediate German I	3
	SPA 111	Elementary Spanish I	3

	SPA 112	Elementary Spanish II	3
	SPA 211	Intermediate Spanish I	3
	SPA 212	Intermediate Spanish II	3

5.	HUM 110	Technology and Society	3
	HUM 115	Critical Thinking	3
	HUM 120	Cultural Studies	3
	HUM 121	The Nature of America	3
	HUM 122	Southern Culture	3
	HUM 130	Myth in Human Culture	3
	HUM 150	American Women's Studies	3
	HUM 160	Introduction to Film	3
	HUM 161	Advanced Film Studies	3
	HUM 220	Human Values and Meaning	3

6.	MUS 110	Music Appreciation	3
	MUS 112	Introduction to Jazz	3
	MUS 113	American Music	3
	MUS 114	Non-Western Music	3
	MUS 210	History of Rock Music	3
	MUS 211	History of Country Music	3
	MUS 212	American Musical Theatre	3

7.	PHI 210	History of Philosophy	3
	PHI 215	Philosophical Issues	3
	PHI 220	Western Philosophy I	3
	PHI 221	Western Philosophy II	3
	PHI 230	Introduction to Logic	3
	PHI 240	Introduction to Ethics	3

8.	REL 110	World Religions	3
	REL 111	Eastern Religions	3
	REL 112	Western Religions	3
	REL 211	Intro to Old Testament	3
	REL 212	Intro to New Testament	3
	REL 221	Religion in America	3

Speech/Communication...3 SHC
COM 231 is recommended.

COM 110	Intro to Communication	3
	or	
COM 120	Interpersonal Communication	3
	or	
COM 140	Intro Intercultural Com	3
	or	
COM 231	Public Speaking	3

Social/Behavioral Sciences ....12 SHC
Select four courses from at least three of the following areas: anthropology, economics, history, political science, psychology, and sociology. One course must be a history course. ECO 251 is required. Two of the following courses are recommended: POL 120, PSY 150 and SOC 210.

1.	ANT 210	General Anthropology	3
	ANT 220	Cultural Anthropology	3

2.	ECO 151	Survey of Economics	3
	ECO 251	Prin of Microeconomics	3

3.	HIS 115	Intro to Global History	3
	HIS 121	Western Civilization I	3
	HIS 122	Western Civilization II	3
	HIS 131	American History I	3
	HIS 132	American History II	3

4.	POL 110	Intro to Political Science	3
	POL 120	American Government	3
	POL 210	Comparative Government	3
	POL 220	International Relations	3

5.	PSY 150	General Psychology	3
	PSY 241	Developmental Psychology	3
	PSY 281	Abnormal Psychology	3

6.	SOC 210	Introduction to Sociology	3
	SOC 213	Sociology of the Family	3
	SOC 220	Social Problems	3
	SOC 230	Race and Ethnic Relations	3
	SOC 240	Social Psychology	3

Natural Sciences/Mathematics.......................... 14-16 SHC
Natural Sciences .... 8 SHC
Select two courses, including accompanying laboratory work, from the biological and/or physical science disciplines. Mandatory labs are required for the following: BIO 140, CHM 131 and PHY 110.

1.	BIO 110	Principles of Biology	4
	BIO 111	General Biology I	4
	BIO 112	General Biology II	4
	BIO 130	Introductory Zoology	4
	BIO 140	Environmental Biology	3
	BIO 140A	Environmental Biology Lab	1

2.	CHM 131	Intro to Chemistry	3
	CHM 131A	Intro to Chemistry Lab	1
	CHM 151	General Chemistry I	4
	CHM 152	General Chemistry II	4

3.	GEL 113	Historical Geology	4
	GEL 120	Physical Geology	4

5.	PHY 110	Conceptual Physics	3
	PHY 110A	Conceptual Physics Lab	1
	PHY 151	College Physics I	4
	PHY 152	College Physics II	4

Math... *6-8 SHC*
The following courses have mandatory labs (listed in the "Other Required Hours" section of this program): MAT 171, MAT 175, and MAT 263. Students will not receive credit for MAT 171 and MAT 175.

Choose one:

MAT 171	Precalculus Algebra	3
MAT 175	Precalculus	4

Choose one:

MAT 263	Brief Calculus	3
MAT 271	Calculus I	4

Total General Education Core ....44 SHC

OTHER REQUIRED HOURS ....20 SHC
The following courses are required (18 SHC):

ACC 120	Prin of Financial Accounting	4
ACC 121	Prin of Managerial Accounting	4
CIS 110	Intro to Computers	3
ECO 252	Prin of Macroeconomics	3
MAT 155	Statistical Analysis	3
MAT 155A	Statistical Analysis Lab	1

Additional hours of approved college transfer courses may be taken from the general education core and/or the electives listed below.

ACA 122	College Transfer Success	1
BUS 115	Business Law I	3
CIS 115	Intro to Programming and Logic	3
COE111	Co-op Work Experience I	1
CSC 151	JAVA Programming	3
CTS 115	Info Systems Business Concept	3
FRE 181	French Lab 1	1
FRE 182	French Lab 2	1
GER 181	Elementary German Lab 1	1
GER 182	Elementary German Lab 2	1
HUM 230	Leadership Development	3
HUM 170	The Holocaust	3
MAT 171A	Precalculus Algebra Lab	1
MAT 175A	Precalculus Lab	1
MAT 263A	Brief Calculus Lab	1
MAT 272	Calculus II	4
MAT 273	Calculus III	4
PED 110	Fit and Well for Life	2
PED 113	Aerobics I	1
PED 117	Weight Training I	1
PED 120	Walking for Fitness	1
PED 124	Run, Swim, Cycle	1
PED 125	Self-Defense-Beginning	1
PED 128	Golf-Beginning	1
PED 130	Tennis-Beginning	1
PED 132	Racquetball - Beginning	1
PED 143	Volleyball-Beginning	1
PED 145	Basketball-Beginning	1
PED 147	Soccer	1
PED 148	Softball	1
PED 149	Flag Football	1
PED 154	Swimming for Fitness	1
PED 170	Backpacking	1
PED 210	Team Sports	1
PED 211	New Games	1
PED 216	Indoor Cycling	1
PED 219	Disc Golf	1
PHI 250	Philosophy of Science	3
PSY 263	Educational Psychology	3
SOC 232	Social Context of Aging	3
SPA 141	Culture and Civilization	3
SPA 161	Cultural Immersion	3
SPA 181	Spanish Lab 1	1
SPA 182	Spanish Lab 2	1
SPA 221	Spanish Conversation	3
SPA 231	Reading and Composition	3

Total Semester Hours of Other Required Hours............20

Total Requirement in Semester Hours...................... 64-65
Students must meet the receiving university's foreign language and/or health and physical education requirements, if applicable, prior to or after transfer to the senior institution. PED 110 will usually satisfy the health and physical education requirement, if applicable, at the receiving UNC institution. Students should always check with the receiving institution for updated transfer information.

Recommended Courses
Select two of the following: POL 120, PSY 150 and SOC 210. COM 231 is also recommended.

Business Education and Marketing Education

A.A. DEGREE (A1010C)

(For students who plan to teach Business and/or Marketing)

It is the responsibility of the student to know and to comply with the prerequisites and the corequisites listed in this catalog. If students have previous college credits from other institutions, students are advised to check first with a counselor at the receiving institution (the institution in which they plan to attend upon leaving CFCC). A counselor at the receiving institution should advise students of the courses to take at CFCC if the students have credits from other institutions. Otherwise, students will be encouraged to 1) complete their associate degree, which consists of 64-65 semester hours, or, the general education core, which consists of 44 semester hours; 2) contact their CFCC advisor, register early, and pay their tuition on time; and 3) earn a grade of "C"or higher on the first attempt. While some UNC institutions accept students with a 2.0 grade-point average, other UNC institutions require at least a 2.5 grade-point average. Students must always comply with the admission requirements of the receiving institution.

Important Websites

a. The following website provides more CFCC college transfer and advising information: http://cfcc.edu/transfer/.

b. The following website lists the academic programs offered at the sixteen (16) UNC institutions: http://www.northcarolina.edu/programs/index.php.

c. The following website lists the academic programs offered at the private independent senior institutions in North Carolina: http://www.northcarolina.edu/content.php/assessment/reports/publications/api.htm

d. Students who need assistance in deciding their major may visit CFCC's Career and Testing Services or visit the website about academic majors from their institution of choice. Examples: http://www.uncwil.edu/stuaff/career/Majors nshttps://www1.cfnc.org/Plan/For A Career/ default.aspx.

The *Business Education and Marketing Education pre-major* is designed for students who plan to pursue a Bachelor of Arts Degree in Business Education or Marketing Education. Students who successfully complete this program and meet admissions requirements at the receiving institution will be eligible to transfer to UNC institutions and some private senior institutions in North Carolina as juniors.

Application to a University

Admission application deadlines vary; students must meet the deadline for the university to which they plan to transfer. Upon successful completion of the associate degree, students who meet the requirements outlined in this pre-major articulation agreement may be eligible to be considered for admission as juniors to the universities offering the baccalaureate degree in these majors. Students are encouraged to contact the senior institution to confirm degree offerings.

Admission to the Major

Grade-point average requirements vary and admission is competitive across the several programs in Business Education. Admission to teacher licensure programs requires satisfactory scores on PRAXIS I and II.**Semester Hours Credi**t

GENERAL EDUCATION CORE ....44 SHC

English Composition...6 SHC

ENG 111	Expository Writing	3
	and	
ENG 112	Argument-Based Research	3
	or	
ENG 113	Literature-Based Research	3
	or	
ENG 114	Professional Research and Reporting	3

Humanities/Fine Arts..9 SHC

Select three courses from at least two of the following areas: art, drama, foreign languages, interdisciplinary humanities, literature, music, philosophy, and religion. One course must be a literature course. Reminder: All elementary foreign language courses have mandatory labs, which are listed in the "Other Required Hours section" of this program.

1.	ART 111	Art Appreciation	3
	ART 114	Art History Survey I	3
	ART 115	Art History Survey II	3
	ART 116	Survey of American Art	3
	ART 117	Non-Western Art History	3
2.	DRA 111	Theatre Appreciation	3
	DRA 122	Oral Interpretation	3
	DRA 126	Storytelling	3
	DRA 211	Theatre History I	3
	DRA 212	Theatre History II	3
3.	ENG 131	Introduction to Literature	3
	ENG 231	American Literature I	3
	ENG 232	American Literature II	3
	ENG 233	Major American Writers	3
	ENG 241	British Literature I	3
	ENG 242	British Literature II	3
	ENG 261	World Literature I	3
	ENG 262	World Literature II	3
4.	FRE 111	Elementary French I	3
	FRE 112	Elementary French II	3
	FRE 211	Intermediate French I	3
	FRE 212	Intermediate French II	3
	GER 111	Elementary German I	3
	GER 112	Elementary German II	3
	GER 211	Intermediate German I	3
	GER 212	Intermediate German II	3
	SPA 111	Elementary Spanish I	3
	SPA 112	Elementary Spanish II	3
	SPA 211	Intermediate Spanish I	3
	SPA 212	Intermediate Spanish II	3

5.	HUM 110	Technology and Society	3
	HUM 115	Critical Thinking	3
	HUM 120	Cultural Studies	3
	HUM 121	The Nature of America	3
	HUM 122	Southern Culture	3
	HUM 130	Myth in Human Culture	3
	HUM 150	American Women’s Studies	3
	HUM 160	Introduction to Film	3
	HUM 161	Advanced Film Studies	3
	HUM 220	Human Values and Meaning	3

6.	MUS 110	Music Appreciation	3
	MUS 112	Introduction to Jazz	3
	MUS 113	American Music	3
	MUS 114	Non-Western Music	3
	MUS 210	History of Rock Music	3
	MUS 211	History of Country Music	3
	MUS 212	American Musical Theatre	3

7.	PHI 210	History of Philosophy	3
	PHI 215	Philosophical Issues	3
	PHI 220	Western Philosophy I	3
	PHI 221	Western Philosophy II	3
	PHI 230	Introduction to Logic	3
	PHI 240	Introduction to Ethics	3

8.	REL 110	World Religions	3
	REL 111	Eastern Religions	3
	REL 112	Western Religions	3
	REL 211	Intro to Old Testament	3
	REL 212	Intro to New Testament	3
	REL 221	Religion in America	3

Speech/Communication..3 SHC
COM 231 is recommended.

COM 110	Intro to Communication	3
	or	
COM 120	Interpersonal Communication	3
	or	
COM 140	Intro Intercultural Com	3
	or	
COM 231	Public Speaking	3

Social/Behavioral Sciences ....12 SHC
Select four courses from at least three of the following areas: anthropology, economics, history, political science, psychology, and sociology. One course must be a history course. ECO 251 is required. The following courses are recommended: PSY 150 and SOC 210.

1.	ANT 210	General Anthropology	3
	ANT 220	Cultural Anthropology	3

2.	ECO 151	Survey of Economics	3
	ECO 251	Prin of Microeconomics	3

3.	HIS 115	Intro to Global History	3
	HIS 121	Western Civilization I	3
	HIS 122	Western Civilization II	3
	HIS 131	American History I	3
	HIS 132	American History II	3

4.	POL 110	Intro to Political Science	3
	POL 120	American Government	3
	POL 210	Comparative Government	3
	POL 220	International Relations	3

5.	PSY 150	General Psychology	3
	PSY 241	Developmental Psychology	3
	PSY 281	Abnormal Psychology	3

6.	SOC 210	Introduction to Sociology	3
	SOC 213	Sociology of the Family	3
	SOC 220	Social Problems	3
	SOC 230	Race and Ethnic Relations	3
	SOC 240	Social Psychology	3

Natural Sciences/Mathematics.........................14-15 SHC
Natural Sciences ....8 SHC
Select two courses, including accompanying laboratory work, from the biological and/or physical science disciplines. Mandatory labs are required for the following: BIO 140, CHM 131 and PHY 110.

1.	BIO 110	Principles of Biology	4
	BIO 111	General Biology I	4
	BIO 112	General Biology II	4
	BIO 130	Introductory Zoology	4
	BIO 140	Environmental Biology	3
	BIO 140A	Environmental Biology Lab	1

2.	CHM 131	Intro to Chemistry	3
	CHM 131A	Intro to Chemistry Lab	1
	CHM 151	General Chemistry I	4
	CHM 152	General Chemistry II	4

3.	GEL 113	Historical Geology	4
	GEL 120	Physical Geology	4

4.	PHY 110	Conceptual Physics	3
	PHY 110A	Conceptual Physics Lab	1
	PHY 151	College Physics I	4
	PHY 152	College Physics II	4

Math ....6-7 SHC
The following course is required:

CIS 110	Introduction to Computers	3

One of the courses below is required. Each course requires a lab (listed in the “Other Required Hours” section of this program).

MAT 171	Precalculus Algebra	3
MAT 175	Precalculus	4

Total General Education Core ....44 SHC

OTHER REQUIRED HOURS (19-21 SHC)

The following courses are required (18 SHC):

ACC 120	Prin of Financial Accounting	4
ACC 121	Prin of Managerial Accounting	4
CIS 115	Intro to Programming and Logic	3
ECO 252	Prin of Macroeconomics	3
MAT 263	Brief Calculus	3
MAT 263A	Brief Calculus Lab	1

Additional hours of approved college transfer courses may be taken from the general education core and/or the electives listed below.

Reminders:

- Students who plan to take additional math courses may not take MAT 171 and MAT 175.
- PED 110 will usually satisfy the health and physical education requirement, if applicable, at the receiving UNC institution.
- Students should always check with the receiving institution for updated transfer information. (1-3 SHC)

ACA 122	College Transfer Success	1
BUS 115	Business Law I	3
COE111	Co-op Work Experience I	1
CSC 151	JAVA Programming	3
CTS 115	Info Systems Business Concept	3
EDU 216	Foundations in Education	4
FRE 181	Elementary French Lab1	1
FRE 182	Elementary French Lab 2	1
GER 181	Elementary German Lab 1	1
GER 182	Elementary German Lab 2	1
HUM 230	Leadership Development	3
HUM 170	The Holocaust	3
MAT 171A	Precalculus Algebra Lab	1
MAT 175A	Precalculus Lab	1
MAT 271	Calculus I	4
MAT 272	Calculus II	4
MAT 273	Calculus III	4
PED 110	Fit and Well for Life	2
PED 113	Aerobics I	1
PED 117	Weight Training I	1
PED 120	Walking for Fitness	1
PED 124	Run, Swim, Cycle	1
PED 125	Self-Defense-Beginning	1
PED 128	Golf-Beginning	1
PED 130	Tennis-Beginning	1
PED 132	Racquetball - Beginning	1
PED 143	Volleyball-Beginning	1
PED 145	Basketball-Beginning	1
PED 147	Soccer	1
PED 148	Softball	1
PED 149	Flag Football	1
PED 154	Swimming for Fitness	1
PED 170	Backpacking	1
PED 210	Team Sports	1
PED 211	New Games	1
PED 216	Indoor Cycling	1
PED 219	Disc Golf	1
PHI 250	Philosophy of Science	3
PSY 211	Psychology of Adjustment	3
PSY 263	Educational Psychology	3
SOC 232	Social Context of Aging	3
SPA 141	Culture and Civilization	3
SPA 161	Cultural Immersion	3
SPA 181	Elementary Spanish Lab 1	1
SPA 182	Elementary Spanish Lab 2	1
SPA 221	Spanish Conversation	3
SPA 231	Reading and Composition	3

Total Semester Hours of Other Required Hours..... 19-21

Total Requirement in Semester Hours. 64-65

Students must meet the receiving university's foreign language and/or health and physical education requirements, if applicable, prior to or after transfer to the senior institution.

Recommended Courses: PSY 150, SOC 210, and COM 231

Communication/ Communication Studies

(formerly Speech/Communication)

A.A. DEGREE (A1010O)

It is the responsibility of the student to know and to comply with the prerequisites and the corequisites listed in this catalog. If students have previous college credits from other institutions, students are advised to check first with a counselor at the receiving institution (the institution in which they plan to attend upon leaving CFCC). A counselor at the receiving institution should advise students of the courses to take at CFCC if the students have credits from other institutions. Otherwise, students will be encouraged to 1) complete their associate degree, which consists of 64-65 semester hours, or, the general education core, which consists of 44 semester hours; 2) contact their CFCC advisor, register early, and pay their tuition on time; and 3) earn a grade of "C"or higher on the first attempt. While some UNC institutions accept students with a 2.0 grade-point average, other UNC institutions require at least a 2.5 grade-point average. Students must always comply with the admission requirements of the receiving institution.

Important Websites

a. The following website provides more CFCC college transfer and advising information: http://cfcc.edu/transfer/.
b. The following website lists the academic programs offered at the sixteen (16) UNC institutions: http://www.northcarolina.edu/programs/index.php.
c. The following website lists the academic programs offered at the private independent senior institutions in North Carolina: http://www.northcarolina.edu/content.php/assessment/reports/publications/api.htm
d. Students who need assistance in deciding their major may visit CFCC's Career and Testing Services or visit the website about academic majors from their institution of

choice. Examples: http://www.uncwil.edu/stuaff/career/Majors or https://www1.cfnc.org/Plan/For_A_Career/default.aspx.

The *Communication/Communication Studies* pre-major is designed for students who plan to pursue a Bachelor of Arts Degree in Communication/Communication Studies. Students who successfully complete this program and who meet admissions requirements at the receiving institution will be eligible to transfer to UNC institutions and some private senior institutions in North Carolina as juniors.

Application to a University
Admission application deadlines vary; students must meet the deadline for the university to which they plan to transfer. Upon successful completion of the associate degree, students who meet the requirements outlines in this pre-major articulation agreement may be eligible to be considered for admission as juniors to the universities offering the baccalaureate degree as listed at: www.northcarolina.edu/content.php/aa/planning/traditional.htm. Students are encouraged to contact the senior institution to confirm degree offerings.

Admission to the Major
Grade-point average requirements vary and admission is competitive across the several programs in Speech/Communication.

Semester Hours Credit

GENERAL EDUCATION CORE ....44 SHC

English Composition..6 SHC

ENG 111	Expository Writing	3
	and	
ENG 112	Argument-Based Research	3
	or	
ENG 113	Literature-Based Research	3
	or	
ENG 114	Professional Research and Reporting	3

Humanities/Fine Arts...12 SHC
Four courses from at least three discipline areas are required. One of the four courses must be a literature course.

ENG 131	Introduction to Literature	3
ENG 231	American Literature I	3
ENG 232	American Literature II	3
ENG 233	Major American Writers	3
ENG 241	British Literature I	3
ENG 242	British Literature II	3
ENG 261	World Literature I	3
ENG 262	World Literature II	3

Two of the four courses must come from two of the following discipline areas: art, drama, foreign languages, interdisciplinary humanities, music, philosophy, and religion. DRA 122 and HUM 160 are recommended. Reminder: All elementary foreign language courses require labs.

1.	ART 111	Art Appreciation	3
	ART 114	Art History Survey I	3
	ART 115	Art History Survey II	3
	ART 116	Survey of American Art	3
	ART 117	Non-Western Art History	3
2.	DRA 111	Theatre Appreciation	3
	DRA 122	Oral Interpretation	3
	DRA 126	Storytelling	3
	DRA 211	Theatre History I	3
	DRA 212	Theatre History II	3
3.	FRE 111	Elementary French I	3
	FRE 112	Elementary French II	3
	FRE 211	Intermediate French I	3
	FRE 212	Intermediate French II	3
	GER 111	Elementary German I	3
	GER 112	Elementary German II	3
	GER 211	Intermediate German I	3
	GER 212	Intermediate German II	3
	SPA 111	Elementary Spanish I	3
	SPA 112	Elementary Spanish II	3
	SPA 211	Intermediate Spanish I	3
	SPA 212	Intermediate Spanish II	3
4.	HUM 110	Technology and Society	3
	HUM 115	Critical Thinking	3
	HUM 120	Cultural Studies	3
	HUM 121	The Nature of America	3
	HUM 122	Southern Culture	3
	HUM 130	Myth in Human Culture	3
	HUM 150	American Women's Studies	3
	HUM 160	Introduction to Film	3
	HUM 161	Advanced Film Studies	3
	HUM 220	Human Values and Meaning	3
5.	MUS 110	Music Appreciation	3
	MUS 112	Introduction to Jazz	3
	MUS 113	American Music	3
	MUS 114	Non-Western Music	3
	MUS 210	History of Rock Music	3
	MUS 211	History of Country Music	3
	MUS 212	American Musical Theatre	3
6	PHI 210	History of Philosophy	3
	PHI 215	Philosophical Issues	3
	PHI 220	Western Philosophy I	3
	PHI 221	Western Philosophy II	3
	PHI 230	Introduction to Logic	3
	PHI 240	Introduction to Ethics	3
7.	REL 110	World Religions	3
	REL 111	Eastern Religions	3
	REL 112	Western Religions	3
	REL 211	Intro to Old Testament	3
	REL 212	Intro to New Testament	3
	REL 221	Religion in America	3

Social/Behavioral Sciences ....12 SHC

Select four courses from at least three of the following areas: anthropology, economics, history, political science, psychology, and sociology. One course must be a history course. SOC 210 is recommended. PSY 150 is required.

1.	ANT 210	General Anthropology	3
	ANT 220	Cultural Anthropology	3
2.	ECO 151	Survey of Economics	3
	ECO 251	Prin of Microeconomics	3
	ECO 252	Prin of Macroeconomics	3
3.	HIS 115	Intro to Global History	3
	HIS 121	Western Civilization I	3
	HIS 122	Western Civilization II	3
	HIS 131	American History I	3
	HIS 132	American History II	3
4.	POL 110	Intro to Political Science	3
	POL 120	American Government	3
	POL 210	Comparative Government	3
	POL 220	International Relations	3
5.	PSY 150	General Psychology	3
	PSY 241	Developmental Psychology	3
	PSY 281	Abnormal Psychology	3
6.	SOC 210	Introduction to Sociology	3
	SOC 213	Sociology of the Family	3
	SOC 220	Social Problems	3
	SOC 230	Race and Ethnic Relations	3
	SOC 240	Social Psychology	3

Natural Sciences/Mathematics................................14 SHC

Natural Sciences .... 8 SHC

Select two courses, including accompanying laboratory work, from the biological and/or physical science disciplines.
BIO 140, CHM 131, and PHY 110 have mandatory labs.

1.	BIO 110	Principles of Biology	4
	BIO 111	General Biology I	4
	BIO 112	General Biology II	4
	BIO 130	Introductory Zoology	4
	BIO 140	Environmental Biology	3
	BIO 140A	Environmental Biology	1
2.	CHM 131	Intro to Chemistry	3
	CHM 131A	Intro to Chemistry Lab	1
	CHM 151	General Chemistry I	4
	CHM 152	General Chemistry II	4
3.	GEL 113	Historical Geology	4
	GEL 120	Physical Geology	4
4.	PHY 110	Conceptual Physics	3
	PHY 110A	Conceptual Physics Lab	1
	PHY 151	College Physics I	4
	PHY 152	College Physics II	4

Math .... 6 SHC

Two courses are required. Select at least one course in introductory mathematics. Reminder: MAT 140, 171, and 175 have mandatory labs; these labs are electives and are listed in the "Other Required Hours" section of this program. CIS 110 is the second math requirement.

Introductory Math Courses

1.	MAT 140	Survey of Mathematics	3
	MAT 171	Precalculus Algebra	3
	MAT 175	Precalculus	4

Non-Introductory Math Course

2.	CIS 110	Introduction to Computers	3

Total General Education Core ....44 SHC

OTHER REQUIRED HOURS (20-21 SHC)

The following courses are required (9 SHC):

COM 110	Introduction to Communication	3
COM 120	Intro to Interpersonal Communication	3
COM 231	Public Speaking	3

Eleven (11) hours may be selected from the remaining general education core and/or the electives below. The following courses are recommended: a foreign language sequence, COM 140, COM 150, COM 251, and MAT 155. Students who plan to take additional math courses may not take the following combinations: MAT 171/175 or MAT 172/175.

ACA 122	College Transfer Success	1
ART 121	Design I	3
ART 122	Design II	3
ART 131	Drawing I	3
ART 132	Drawing II	3
ART 171	Computer Art I	3
ART 240	Painting I	3
ART 241	Painting II	3
ART 261	Photography I	3
ART 262	Photography II	3
ART 264	Digital Photography I	3
ART 265	Digital Photography II	3
ART 266	Videography I	3
ART 267	Videography II	3
ART 283	Ceramics I	3
ART 284	Ceramics II	3
BUS 115	Business Law I	3
CJC 111	Intro to Criminal Justice	3
COE111	Co-op Work Experience I	1
COM 111	Voice & Diction I	3
COM 140	Intro to Intercultural Communication	3
COM 150	Intro to Mass Communication	3
COM 160	Small Group Communication	3
COM 232	Election Rhetoric	3
COM 233	Persuasive Speaking	3
COM 250	Public Communication	3
COM 251	Debate I	3
COM 252	Debate II	3
CTS 115	Info Sys Business Concept	3

DRA 130	Acting I	3
DRA 131	Acting II	3
DRA 140	Stagecraft I	3
DRA 141	Stagecraft II	3
DRA 170	Play Production I	3
DRA 171	Play Production II	3
EDU 216	Foundations in Education	4
ENG 125	Creative Writing I	3
ENG 126	Creative Writing II	3
ENG 272	Southern Literature	3
ENG 273	African-American Literature	3
ENG 274	Literature by Women	3
FRE 181	Elementary French Lab 1	1
FRE 182	Elementary French Lab 2	1
GER 181	Elementary German Lab 1	1
GER 182	Elementary German Lab 2	1
HIS 116	Current World Problems	3
HIS 221	African-American History	3
HIS 227	Native American History	3
HIS 228	History of the South	3
HIS 229	History of the Old South	3
HUM 170	The Holocaust	3
HUM 230	Leadership Development	3
JOU 110	Intro to Journalism	3
JOU 217	Feature/Editorial Writing	3
MAT 140A	Survey of Mathematics Lab	1
MAT 155	Statistical Analysis	3
MAT 155A	Statistical Analysis Lab	1
MAT 171A	Precalculus Algebra Lab	1
MAT 172	Precalculus Trigonometry	3
MAT 172A	Precalculus Trig Lab	1
MAT 175A	Precalculus Lab	1
MAT 263	Brief Calculus	3
MAT 263A	Brief Calculus Lab	1
MAT 271	Calculus I	4
MAT 272	Calculus II	4
MAT 273	Calculus III	4
PED 110	Fit and Well for Life	2
PED 113	Aerobics I	1
PED 117	Weight Training I	1
PED 120	Walking for Fitness	1
PED 124	Run, Swim, Cycle	1
PED 125	Self-Defense--Beginning	1
PED 128	Golf-Beginning	1
PED 130	Tennis-Beginning	1
PED 132	Racquetball - Beginning	1
PED 143	Volleyball-Beginning	1
PED 145	Basketball-Beginning	1
PED 147	Soccer	1
PED 148	Softball	1
PED 149	Flag Football	1
PED 154	Swimming for Fitness	1
PED 170	Backpacking	1
PED 210	Team Sports	1
PED 211	New Games	1
PED 216	Indoor Cycling	1
PED 219	Disc Golf	1
PHI 250	Philosophy of Science	3
PSY 211	Psychology of Adjustment	3
PSY 259	Human Sexuality	3
PSY 263	Educational Psychology	3
SOC 232	Social Context of Aging	3
SOC 234	Sociology of Gender	3
SOC 242	Sociology of Deviance	3
SPA 141	Culture and Civilization	3
SPA 161	Cultural Immersion	3
SPA 181	Spanish Lab 1	1
SPA 182	Spanish Lab 2	1
SPA 221	Spanish Conversation	3
SPA 231	Reading and Composition	3

Total Semester Hours of Other Required Hours...... 20-21

Total Requirement in Semester Hours..................... 64-65

Students must meet the receiving university's foreign language and/or health and physical education requirements, if applicable, prior to or after transfer to the senior institution.

Recommended Courses: a foreign language sequence, DRA 122, HUM 160, and SOC 210.

Criminal Justice

A.A. DEGREE (A1010D)

(For students transferring to a four-year institution)

It is the responsibility of the student to know and to comply with the prerequisites and the corequisites listed in this catalog. If students have previous college credits from other institutions, students are advised to first check with a counselor at the receiving institution (the institution in which they plan to attend upon leaving CFCC). A counselor at the receiving institution should advise students of the courses to take at CFCC if the students have credits from other institutions. Otherwise, students will be encouraged to 1) complete their associate degree, which consists of 64-65 semester hours, or, the general education core, which consists of 44 semester hours; 2) contact their CFCC advisor, register early, and pay their tuition on time; and 3) earn a grade of "C"or higher on the first attempt. While some UNC institutions accept students with a 2.0 grade-point average, other UNC institutions require at least a 2.5 grade-point average. Students must always comply with the admission requirements of the receiving institution.

Important Websites

a. The following website provides more CFCC college transfer and advising information: http://cfcc.edu/transfer/.
b. The following website lists the academic programs offered at the sixteen (16) UNC institutions: http://www.northcarolina.edu/programs/index.php.
c. The following website lists the academic programs offered at the private independent senior institutions in North Carolina: http://www.northcarolina.edu/content.php/assessment/reports/publications/api.htm
d. Students who need assistance in deciding their major may visit CFCC's Career and Testing Services or visit the

website about academic majors from their institution of choice. Examples: http://www.uncwil.edu/stuaff/career/Majors or https://www1.cfnc.org/Plan/For_A_Career/default.aspx.

The *Criminal Justice pre-major* is designed for students who plan to pursue a Bachelor of Arts Degree in Criminal Justice. Students who successfully complete this program and who meet admissions requirements at the receiving institution, will be eligible to transfer to UNC institutions and some private senior institutions in North Carolina as juniors.

Application to a University
Admission application deadlines vary; students must meet the deadline for the university to which they plan to transfer. Upon successful completion of the associate degree, students who meet the requirements outlined in this pre-major articulation agreement will be eligible to be considered for admission as juniors to the universities offering the baccalaureate degree in this major. Students are encouraged to contact the senior institution to confirm degree offerings.

Admission to the Major
Grade-point average requirements vary and admission is competitive across the several programs in Criminal Justice.

Semester Hours Credit

GENERAL EDUCATION CORE ....44 SHC

English Composition..6 SHC

ENG 111	Expository Writing	3
	and	
ENG 112	Argument-Based Research	3
	or	
ENG 113	Literature-Based Research	3
	or	
ENG 114	Professional Research and Reporting	3

Humanities/Fine Arts...9 SHC
Select three courses from at least two of the following areas: art, drama, foreign languages, interdisciplinary humanities, literature, music, philosophy, and religion. One course must be a literature course. One foreign language is recommended. Each elementary foreign language course has a mandatory lab, which is listed in the "Other Required Hours" section.

1.	ART 111	Art Appreciation	3
	ART 114	Art History Survey I	3
	ART 115	Art History Survey II	3
	ART 116	Survey of American Art	3
	ART 117	Non-Western Art History	3
2.	DRA 111	Theatre Appreciation	3
	DRA 122	Oral Interpretation	3
	DRA 126	Storytelling	3
	DRA 211	Theatre History I	3
	DRA 212	Theatre History II	3
3.	ENG 131	Introduction to Literature	3
	ENG 231	American Literature I	3
	ENG 232	American Literature II	3
	ENG 233	Major American Writers	3
	ENG 241	British Literature I	3
	ENG 242	British Literature II	3
	ENG 261	World Literature I	3
	ENG 262	World Literature II	3
4.	FRE 111	Elementary French I	3
	FRE 112	Elementary French II	3
	FRE 211	Intermediate French I	3
	FRE 212	Intermediate French II	3
	GER 111	Elementary German I	3
	GER 112	Elementary German II	3
	GER 211	Intermediate German I	3
	GER 212	Intermediate German II	3
	SPA 111	Elementary Spanish I	3
	SPA 112	Elementary Spanish II	3
	SPA 211	Intermediate Spanish I	3
	SPA 212	Intermediate Spanish II	3
5.	HUM 110	Technology and Society	3
	HUM 115	Critical Thinking	3
	HUM 120	Cultural Studies	3
	HUM 121	The Nature of America	3
	HUM 122	Southern Culture	3
	HUM 130	Myth in Human Culture	3
	HUM 150	American Women's Studies	3
	HUM 160	Introduction to Film	3
	HUM 161	Advanced Film Studies	3
	HUM 220	Human Values and Meaning	3
6.	MUS 110	Music Appreciation	3
	MUS 112	Introduction to Jazz	3
	MUS 113	American Music	3
	MUS 114	Non-Western Music	3
	MUS 210	History of Rock Music	3
	MUS 211	History of Country Music	3
	MUS 212	American Musical Theatre	3
7.	PHI 210	History of Philosophy	3
	PHI 215	Philosophical Issues	3
	PHI 220	Western Philosophy I	3
	PHI 221	Western Philosophy II	3
	PHI 230	Introduction to Logic	3
	PHI 240	Introduction to Ethics	3
8.	REL 110	World Religions	3
	REL 111	Eastern Religions	3
	REL 112	Western Religions	3
	REL 211	Intro to Old Testament	3
	REL 212	Intro to New Testament	3
	REL 221	Religion in America	3

Speech/Communication...3 SHC

COM 231 is recommended.

COM 110	Intro to Communication	3
	or	
COM 120	Interpersonal Communication	3
	or	
COM 140	Intro Intercultural Com	3
	or	
COM 231	Public Speaking	3

Social/Behavioral Sciences ....12 SHC

Four courses are required.
Select one of the following history courses:

HIS 115	Intro to Global History	3
HIS 121	Western Civilization I	3
HIS 122	Western Civilization II	3
HIS 131	American History I	3
HIS 132	American History II	3

The following courses are required:

POL 120	American Government	3
PSY 150	General Psychology	3
SOC 210	Introduction to Sociology	3

Natural Sciences/Mathematics................................14 SHC

Natural Sciences .... 8 SHC

Select two courses, including accompanying laboratory work, from the biological and/or physical science disciplines. Reminder: BIO 140, CHM 131, and PHY 110 require labs; the labs are listed in the "Other Required Hours" section of this program.

1.	BIO 110	Principles of Biology	4
	BIO 111	General Biology I	4
	BIO 112	General Biology II	4
	BIO 130	Introductory Zoology	4
	BIO 140	Environmental Biology	3
	BIO 140A	Environmental Biology Lab	1
2.	CHM 131	Intro to Chemistry	3
	CHM 131A	Intro to Chemistry Lab	1
	CHM 151	General Chemistry I	4
	CHM 152	General Chemistry II	4
3.	GEL 113	Historical Geology	4
	GEL 120	Physical Geology	4
4.	PHY 110	Conceptual Physics	3
	PHY 110A	Conceptual Physics Lab	1
	PHY 151	College Physics I	4
	PHY 152	College Physics II	4

Math .... 6 SHC

Two courses are required. Select one or two courses from List I below or select the second course from List II below. MAT 155 is recommended as the second math course.
Reminder: Students may not take any of these combinations: MAT 171/175 OR MAT 172/175.

The following courses have mandatory labs: MAT 140, 155, 171, 172, 175, and 263. These labs are electives and are listed in the "Other Required Hours" section of this program.

List I

MAT 140	Survey of Mathematics	3
MAT 171	Precalculus Algebra	3
MAT 172	Precalculus Trigonometry	3
MAT 175	Precalculus	4
MAT 263	Brief Calculus	3
MAT 271	Calculus I	4
MAT 272	Calculus II	4
MAT 273	Calculus III	4

List II

CIS 110	Introduction to Computers	3
MAT 155	Statistical Analysis	3

Total General Education Core ....44 SHC

OTHER REQUIRED HOURS (20 - 21 SHC)

The following courses are required (9 SHC):

CJC 111	Intro to Criminal Justice	3
CJC 121	Law Enforcement Operations	3
CJC 141	Corrections	3

Eleven (11) additional hours may be selected from the remaining general education core and/or the electives below.
PED 110 is recommended.

ACA 122	College Transfer Success	1
ACC 120	Prin of Financial Accounting	4
ACC 121	Prin of Managerial Accounting	4
ANT 210	General Anthropology	3
ANT 220	Cultural Anthropology	3
ART 121	Design I	3
ART 122	Design II	3
ART 131	Drawing I	3
ART 132	Drawing II	3
ART 171	Computer Art I	3
ART 240	Painting I	3
ART 241	Painting II	3
ART 261	Photography I	3
ART 262	Photography II	3
ART 264	Digital Photography I	3
ART 265	Digital Photography II	3
ART 266	Videography I	3
ART 267	Videography II	3
ART 271	Computer Art II	3
ART 283	Ceramics I	3
ART 284	Ceramics II	3
BUS 115	Business Law I	3
CIS 115	Intro to Programming & Logic	3
COE111	Co-op Work Experience I	1
CSC 151	JAVA Programming	3
CTS 115	Info Systems Business Concept	3
DRA 170	Play Production I	3
DRA 171	Play Production II	3

ECO 151	Survey of Economics	3
ECO 251	Prin of Microeconomics	3
ECO 252	Prin of Macroeconomics	3
EDU 216	Foundations in Education	4
ENG 125	Creative Writing I	3
ENG 126	Creative Writing II	3
ENG 272	Southern Literature	3
ENG 273	African-American Literature	3
ENG 274	Literature by Women	3
FRE 181	Elementary French Lab1	1
FRE 182	Elementary French Lab 2	1
GER 181	Elementary German Lab 1	1
GER 182	Elementary German Lab 2	1
HIS 116	Current World Problems	3
HIS 221	African-American History	3
HIS 227	Native American History	3
HIS 228	History of the South	3
HIS 229	History of the Old South	3
HUM 170	The Holocaust	3
HUM 230	Leadership Development	3
MAT 140A	Survey of Mathematics Lab	1
MAT 155A	Statistical Analysis Lab	1
MAT 171A	Precalculus Algebra Lab	1
MAT 172A	Precalculus Trig Lab	1
MAT 175A	Precalculus Lab	1
MAT 263A	Brief Calculus Lab	1
PED 110	Fit and Well for Life	2
PED 113	Aerobics I	1
PED 117	Weight Training I	1
PED 120	Walking for Fitness	1
PED 124	Run, Swim, Cycle	1
PED 125	Self-Defense-Beginning	1
PED 128	Golf-Beginning	1
PED 130	Tennis-Beginning	1
PED 132	Racquetball - Beginning	1
PED 143	Volleyball-Beginning	1
PED 145	Basketball-Beginning	1
PED 147	Soccer	1
PED 148	Softball	1
PED 149	Flag Football	1
PED 154	Swimming for Fitness	1
PED 170	Backpacking	1
PED 210	Team Sports	1
PED 211	New Games	1
PED 216	Indoor Cycling	1
PED 219	Disc Golf	1
PHI 250	Philosophy of Science	3
POL 110	Intro to Political Science	3
POL 210	Comparative Government	3
POL 220	International Relations	3
PSY 211	Psychology of Adjustment	3
PSY 241	Developmental Psych	3
PSY 259	Human Sexuality	3
PSY 263	Educational Psychology	3
PSY 281	Abnormal Psychology	3
SOC 213	Sociology of the Family	3
SOC 220	Social Problems	3
SOC 230	Race and Ethnic Relations	3
SOC 232	Social Context of Aging	3
SOC 234	Sociology of Gender	3
SOC 240	Social Psychology	3
SOC 242	Sociology of Deviance	3
SPA 141	Culture and Civilization	3
SPA 161	Cultural Immersion	3
SPA 181	Elementary Spanish Lab 1	1
SPA 182	Elementary Spanish Lab 2	1
SPA 221	Spanish Conversation	3
SPA 231	Reading and Composition	

Total Semester Hours of Other Required Hours...... 20-21

Total Requirement in Semester Hours...................... 64-65

Students must meet the receiving university's foreign language and/or health and physical education requirements, if applicable, prior to or after transfer to the senior institution.

***Recommended Courses:** One foreign language; COM 231; MAT 171 or 175; MAT 155/155A; PED 110.

Elementary Education

A.A. DEGREE (A1010R)

It is the responsibility of the student to know and to comply with the prerequisites and the corequisites listed in this catalog. If students have previous college credits from other institutions, students are advised to check first with a counselor at the receiving institution (the institution in which they plan to attend upon leaving CFCC). A counselor at the receiving institution should advise students of the courses to take at CFCC if the students have credits from other institutions. Otherwise, students will be encouraged to 1) complete their associate degree, which consists of 64-65 semester hours, or, the general education core, which consists of 44 semester hours; 2) contact their CFCC advisor, register early, and pay their tuition on time; and 3) earn a grade of "C"or higher on the first attempt. While some UNC institutions accept students with a 2.0 grade-point average, other UNC institutions require at least a 2.5 grade-point average. Students must always comply with the admission requirements of the receiving institution.

Important Websites

a. The following website provides more CFCC college transfer and advising information: http://cfcc.edu/transfer/.
b. The following website lists the academic programs offered at the sixteen (16) UNC institutions: http://www.northcarolina.edu/programs/index.php.
c. The following website lists the academic programs offered at the private independent senior institutions in North Carolina: http://www.northcarolina.edu/content.php/assessment/reports/publications/api.htm
d. Students who need assistance in deciding their major may visit CFCC's Career and Testing Services or visit the website about academic majors from their institution of choice. Examples: http://www.uncwil.edu/stuaff/career/Majors orhttps://www1.cfnc.org/Plan/For_A_Career/_default.aspx.

The *Elementary Education pre-major* is designed for students who plan to pursue a Bachelor of Arts Degree in Elementary Education. Students who successfully complete this program and who meet admissions requirements at the receiving institution will be eligible to transfer to UNC institutions and some private senior institutions in North Carolina as juniors.

Application to a University

Admission application deadlines vary; students must meet the deadline for the university to which they plan to transfer. Upon successful completion of the associate degree, students who meet the requirements outlines in this pre-major articulation agreement will be eligible to be considered for admission as juniors to the universities offering this baccalaureate degree.

Admission to the Major

Grade-point average requirements vary, and admission is competitive across the several programs in Elementary Education. Minimum statewide requirements are as follows:

a. Minimum 2.5 grade-point average on a 4.0 scale
b. Satisfactory passing scores as established by the State Board of Education on PRAXIS I PPST-Reading; PPST-Writing; and PPST-Math.

Receiving institutions may have additional requirements, prerequisites, and/or proficiencies. Since these vary at receiving institutions, students should review the admission to teacher education requirements for the institution(s) they anticipate attending.

Semester Hours Credit

GENERAL EDUCATION CORE ....44 SHC

English Composition..6 SHC

ENG 111	Expository Writing	3
	and	
ENG 112	Argument-Based Research	3
	or	
ENG 113	Literature-Based Research	3

Humanities/Fine Arts..12 SHC

Select one literature course from the following:

ENG 131	Introduction to Literature	3
ENG 231	American Literature I	3
ENG 232	American Literature II	3
ENG 233	Major American Writers	3

The following course is required to substitute for 3 SHC of Humanities/Fine Arts:

COM 231	Public Speaking	3

One of the following courses is required:

ART 111	Art Appreciation	3
ART 114	Art History Survey I	3
ART 115	Art History Survey II	3
MUS 110	Music Appreciation	3

Select one additional course from the following discipline areas: art, drama, foreign languages, interdisciplinary humanities, literature, music, philosophy, and religion. A foreign language is recommended, and each elementary foreign language course has a mandatory lab, which is listed in the "Other Required Hours" section of this program.

1.	ART 116	Survey of American Art	3
	ART 117	Non-Western Art History	3
2.	DRA 111	Theatre Appreciation	3
	DRA 122	Oral Interpretation	3
	DRA 126	Storytelling	3
	DRA 211	Theatre History I	3
	DRA 212	Theatre History II	3
3.	ENG 241	British Literature I	3
	ENG 242	British Literature II	3
	ENG 261	World Literature I	3
	ENG 262	World Literature II	3

4.	FRE 111	Elementary French I	3
	FRE 112	Elementary French II	3
	FRE 211	Intermediate French I	3
	FRE 212	Intermediate French II	3
	GER 111	Elementary German I	3
	GER 112	Elementary German II	3
	GER 211	Intermediate German I	3
	GER 212	Intermediate German II	3
	SPA 111	Elementary Spanish I	3
	SPA 112	Elementary Spanish II	3
	SPA 211	Intermediate Spanish I	3
	SPA 212	Intermediate Spanish II	3

5.	HUM 110	Technology and Society	3
	HUM 115	Critical Thinking	3
	HUM 120	Cultural Studies	3
	HUM 121	The Nature of America	3
	HUM 122	Southern Culture	3
	HUM 130	Myth in Human Culture	3
	HUM 150	American Women's Studies	3
	HUM 160	Introduction to Film	3
	HUM 161	Advanced Film Studies	3
	HUM 220	Human Values and Meaning	3

6.	MUS 112	Introduction to Jazz	3
	MUS 113	American Music	3
	MUS 114	Non-Western Music	3
	MUS 210	History of Rock Music	3
	MUS 211	History of Country Music	3
	MUS 212	American Musical Theatre	3

7.	PHI 210	History of Philosophy	3
	PHI 215	Philosophical Issues	3
	PHI 220	Western Philosophy I	3
	PHI 221	Western Philosophy II	3
	PHI 230	Introduction to Logic	3
	PHI 240	Introduction to Ethics	3

8.	REL 110	World Religions	3
	REL 111	Eastern Religions	3
	REL 112	Western Religions	3
	REL 211	Intro to Old Testament	3
	REL 212	Intro to New Testament	3
	REL 221	Religion in America	3

Social/Behavioral Sciences ....12 SHC

Select four courses from at least three of the following areas: anthropology, economics, history, political science, psychology, and sociology. HIS 115 or 121 or 122 is required. PSY 150 and SOC 210 are required. PSY 241 is recommended.

1.	ANT 210	General Anthropology	3
	ANT 220	Cultural Anthropology	3

2.	ECO 151	Survey of Economics	3
	ECO 251	Prin of Microeconomics	3
	ECO 252	Prin of Macroeconomics	3

3.	HIS 115	Intro to Global History	3
	HIS 121	Western Civilization I	3
	HIS 122	Western Civilization II	3
	HIS 131	American History I	3
	HIS 132	American History II	3

4.	POL 110	Intro to Political Sciences	3
	POL 120	American Government	3
	POL 210	Comparative Government	3
	POL 220	International Relations	3

5.	PSY 150	General Psychology	3
	PSY 241	Developmental Psych	3
	PSY 281	Abnormal Psychology	3

6.	SOC 210	Introduction to Sociology	3
	SOC 213	Sociology of the Family	3
	SOC 220	Social Problems	3
	SOC 230	Race and Ethnic Relations	3
	SOC 240	Social Psychology	3

Natural Sciences/Mathematics................................14 SHC

Natural Sciences .... 8 SHC

One of the following courses is required (4 SHC):

BIO 110	Principles of Biology	4
	or	
BIO 111	General Biology I	4

Select one of the following (4 SHC):

CHM 131	Intro to Chemistry	3
	and	
CHM 131A	Intro to Chemistry Lab	1
	or	
CHM 151	General Chemistry I	4
	or	
PHY 110	Conceptual Physics	3
	and	
PHY 110A	Conceptual Physics Lab	1
	or	
PHY 151	College Physics I	4

Math .... 6 SHC

MAT 141 and 142 are required and have mandatory labs; these labs are electives and are listed in the "Other Required Hours" section of this program.

MAT 141	Mathematical Concepts I	3
MAT 142	Mathematical Concepts II	3

Total General Education Core ....44 SHC

OTHER REQUIRED HOURS (20-21 SHC)

The transfer of the 65th hour is not guaranteed.

At certain UNC institutions, EDU 216 and EDU 221 (not taught at CFCC) may fulfill major requirements. At a majority of the institutions, these courses will transfer only as free electives. Students should check with the university for the local transfer policy regarding these education courses.

It is recommended that with the 20 semester hours of "Other Required Hours," Elementary Education premajors select courses that will help them meet a corollary studies area. These courses should be selected in conjunction with the requirements at each university, since available corollary studies may not be offered on each university campus. Corollary Studies are comprised of a minimum of 18 hours of community college or UNC campuses' coursework in a choice of four interdisciplinary areas: (1) diversity studies; (2) global issues; (3) the arts; or (4) math, science, and technology. Satisfying the UNC Board of Governors' requirement for an academic concentration, corollary studies are appropriate for expanding and deepening the pre-service elementary teacher's knowledge, appreciation, and skills in the areas appropriate to the elementary school classroom and curriculum. The following recommended courses in these studies may be taken as general education courses or as "Other Required Hours."

Recommended Courses for Corollary Studies Areas

I. Diversity Studies

A minimum 18-hour multidisciplinary area of corollary studies that increases the pre-service teacher's knowledge of, respect for, and skills in working with students, families, and communities of diverse abilities, languages, races, and cultural backgrounds. Select courses from a minimum of two and a maximum of three different fields or prefixes as listed below:

Anthropology

ANT 210	General Anthropology	3
ANT 220	Cultural Anthropology	3

Art

ART 117	Non-Western Art History	3

Communication

COM 120	Interpersonal Communication	3
COM 140	Intro to Intercultural Communication	3

Drama

DRA 126	Storytelling	3

English

ENG 261	World Literature I	3
ENG 262	World Literature II	3
ENG 273	African-American Literature	3

History

HIS 221	African-American History	3
HIS 227	Native American History	3
HIS 228	History of the South	3

Humanities

HUM 120	Cultural Studies	3
HUM 121	The Nature of America	3
HUM 122	Southern Culture	3
HUM 150	American Women's Studies	3
HUM 170	The Holocaust	3
HUM 220	Human Values & Meaning	3

Languages

FRE 211	Intermediate French I	3
FRE 212	Intermediate French II	3
GER 211	Intermediate German I	3
GER 212	Intermediate German II	3
SPA 141	Culture and Civilization	3
SPA 161	Cultural Immersion	
SPA 211	Intermediate Spanish I	3
SPA 212	Intermediate Spanish II	3

Music

MUS 114	Non-Western Music	3

Psychology

PSY 211	Psychology of Adjustment	3
PSY 241	Developmental Psychology	3
PSY 259	Human Sexuality	3
PSY 281	Abnormal Psychology	3

Religion

REL 110	World Religions	3
REL 111	Eastern Religions	3
REL 221	Religion in America	3

Sociology

SOC 213	Sociology of the Family	3
SOC 220	Social Problems	3
SOC 230	Race and Ethnic Relations	3
SOC 234	Sociology of Gender	3
SOC 242	Sociology of Deviance	3

II. Global Issues

A minimum 18-hour multidisciplinary Global Issues area of corollary studies that encompasses courses with a common theme of providing insight into the human condition in the world. The corollary studies area of Global Issues will increase the pre-service teacher's knowledge and understanding of the world in which we live and contemporary issues affecting the world. Courses addressing a particular region in the world or courses about a particular historical period were not included. The perception of a global issue is subjective and courses included in this area may change over time. Select courses from a minimum of two and a maximum of three different fields (prefixes) as listed below.

Anthropology

ANT 220	Cultural Anthropology	3

Biology

BIO 150	Genetics in Human Affairs	3
BIO 173	Microbes in World Affairs	3

Economics

ECO 252	Principles of Macroeconomics	3

History

HIS 115	Intro to Global History	3
HIS 116	Current World Problems	3

Humanities

HUM 110	Technology and Society	3
HUM 220	Human Values and Meaning	3

Philosophy

PHI 215	Philosophical Issues	3
PHI 240	Intro to Ethics	3

Political Science

POL 210	Comparative Government	3
POL 220	International Relations	3

Religion

REL 110	World Religions	3

Sociology

SOC 220	Social Problems	3

II. The Arts

A minimum 18-hour area of corollary studies in the Arts will increase the pre-service teacher's knowledge and appreciation of the visual and performing arts and their history. Pre-service teachers who select this area of corollary studies will be prepared to use the Arts to further children's understanding of the world, of diverse cultures, and of multiple ways of constructing knowledge and expressing themselves.

Students will choose a minimum of eighteen (18) hours of coursework from the approved lists. Their selections must be drawn from a minimum of two and a maximum of three categories/disciplines (prefixes) across the two lists below. Students may choose up to six (6) hours of coursework from List II. The remainder of coursework (12-18 hours) must be from List I.

List I:

Non-applied Courses (12-18 hours should be chosen from this list.)

Art

ART 111	Art Appreciation	3
ART 114	Art History Survey I	3
ART 115	Art History Survey II	3
ART 116	Survey of American Art	3
ART 117	Non-Western Art History	3

Drama/Theatre

DRA 111	Theatre Appreciation	3
DRA 120	Voice for Performance	3
DRA 122	Oral Interpretation	3
DRA 126	Storytelling	3
DRA 128	Children's Theatre	3
DRA 211	Theatre History I	3
DRA 212	Theatre History II	3

Music

MUS 110	Music Appreciation	3
MUS 111	Fundamentals of Music	3
MUS 113	American Music	3
MUS 114	Non-Western Music	3
MUS 121	Music Theory I	4
MUS 122	Music Theory II	4
MUS 271	Music History I	3
MUS 272	Music History II	3

List II:

Applied/Skilled/Ensemble Courses (Only 6 hours may be chosen.)

Art

ART 121	Design I	3
ART 122	Design II	3
ART 131	Drawing I	3
ART 132	Drawing II	3
ART 171	Computer Art I	3
ART 231	Printmaking I	3
ART 232	Printmaking II	3
ART 240	Painting I	3
ART 241	Painting II	3
ART 261	Photography I	3
ART 262	Photography II	3
ART 271	Computer Art II	3
ART 281	Sculpture I	3
ART 282	Sculpture II	3
ART 283	Ceramics I	3
ART 284	Ceramics II	3

Drama/Theatre

DRA 130	Acting I	3
DRA 131	Acting II	3

Music

MUS 123	Music Composition	1
MUS 131	Chorus I	1
MUS 132	Chorus II	1
MUS 135	Jazz Ensemble I	1
MUS 136	Jazz Ensemble II	1
MUS 137	Orchestra I	1
MUS 138	Orchestra II	1
MUS 141	Ensemble I	1
MUS 142	Ensemble II	1
MUS 151	Class Music I	1
MUS 152	Class Music II	1
MUS 161	Applied Music I	2
MUS 162	Applied Music II	2
MUS 214	Electronic Music I	2
MUS 215	Electronic Music II	2
MUS 253	Big Band	1
MUS 271	Music History I	1
MUS 272	Music History I	1

IV. Math Science, and Technology

Required: a minimum 18-hour multidisciplinary area of corollary studies that increases the pre-service teacher's knowledge of, respect for, and skills in the areas of math, science, and technology and the interconnectedness. Select courses from a minimum of two and a maximum of three different fields or prefixes as listed below:

Technology

CIS 110	Introduction to Computers	3
CIS 115	Intro to Programming and Logic	3
HUM 110	Technology and Society	3
PHI 230	Introduction to Logic	3

Mathematics

Mathematics (Reminder: Students may not take any of these combinations: MAT 171/175 OR MAT 172/175. The following courses have mandatory labs: MAT 155, 171, 172, 175, and 263. Math lab credit hours are not included in the 18-hour concentration.)

MAT 155	Statistical Analysis	3
MAT 171	Precalculus Algebra	3
MAT 172	Precalculus Trigonometry	3
MAT 175	Precalculus	4
MAT 263	Brief Calculus	3
MAT 271	Calculus I	4
MAT 272	Calculus II	4
MAT 273	Calculus III	4

Science

The following courses have mandatory labs: BIO 140, CHM 131, and PHY 110.

BIO 110	Principles of Biology	4
BIO 111	General Biology I	4
BIO 112	General Biology II	4
BIO 130	Introductory Zoology	4
BIO 140	Environmental Biology	3
BIO 143	Field Biology Minicourse	2
BIO 150	Genetics in Human Affairs	3
BIO 163	Basic Anatomy & Physiology	5
BIO 168	Anatomy and Physiology I	3
BIO 169	Anatomy and Physiology II	3
BIO 173	Microbes in World Affairs	3
BIO 175	General Microbiology	3
CHM 131	Introduction to Chemistry	3
CHM 151	General Chemistry I	4
CHM 152	General Chemistry II	4
CHM 251	Organic Chemistry I	4
CHM 252	Organic Chemistry II	4
GEL 113	Historical Geology	4
GEL 120	Physical Geology	4
PHI 250	Philosophy of Science	3
PHY 110	Conceptual Physics	3
PHY 151	College Physics I	4
PHY 152	College Physics II	4

Additional hours may be selected from the remaining general education core and/or the electives below.

ACA 122	College Transfer Success	1
ART 264	Digital Photography	3
ART 265	Digital Photography II	3
BIO 140A	Environmental Biology Lab	1
CHM 131A	Intro to Chemistry Lab	1
COE 111	Co-op Work Experience I	1
CSC 151	JAVA Programming	3
FRE 181	Elementary French Lab1	1
FRE 182	Elementary French Lab 2	1
GER 181	Elementary German Lab 1	1
GER 182	Elementary German Lab 2	1
HIS 229	History of the Old South	3
HUM 230	Leadership Development	3
MAT 141A	Mathematical Concepts I	1
MAT 142A	Mathematical Concepts II	1
MAT 155A	Statistics I Lab	1
MAT 171A	Precalculus Algebra Lab	1
MAT 172A	Precalculus Trig Lab	1
MAT 175A	Precalculus Lab	1
MAT 263A	Brief Calculus Lab	1
PED 110	Fit and Well for Life	2
PED 113	Aerobics I	1
PED 117	Weight Training I	1
PED 120	Walking for Fitness	1
PED 124	Run, Swim, Cycle	1
PED 125	Self-Defense-Beginning	1
PED 128	Golf-beginning	1
PED 130	Tennis-Beginning	1
PED 132	Racquetball - Beginning	1
PED 143	Volleyball-Beginning	1
PED 147	Soccer	1
PED 148	Softball	1
PED 149	Flag Football	1
PED 154	Swimming for Fitness	1
PED 170	Backpacking	1
PED 210	Team Sports	1
PED 211	New Games	1
PED 216	Indoor Cycling	1
PED 219	Disc Golf	1
PHI 250	Philosophy of Science	3
PSY 263	Educational Psychology	3
SPA 141	Culture and Civilization	3
SPA 161	Cultural Immersion	3
SPA 181	Elementary Spanish Lab 1	1
SPA 182	Elementary Spanish Lab 2	1
SPA 221	Spanish Conversation	3
SPA 231	Reading and Composition	3

Total Semester Hours of Other Required Hours...... 20-21

Total Requirement in Semester Hours..................... 64-65

Students must meet the receiving university's foreign language and/or health and physical education requirements.

English

A.A. DEGREE (A1010E)

It is the responsibility of the student to know and to comply with the prerequisites and the corequisites listed in this catalog. If students have previous college credits from other institutions, students are advised to first check with a counselor at the receiving institution (the institution in which they plan to attend upon leaving CFCC). A counselor at the receiving institution should advise students of the courses to take at CFCC if the students have credits from other institutions. Otherwise, students will be encouraged to 1) complete their associate degree, which consists of 64-65 semester hours, or, the general education core, which consists of 44 semester hours; 2) contact their CFCC advisor, register early, and pay their tuition on time; and 3) earn a grade of "C"or higher on the first attempt. While some UNC institutions accept students with a 2.0 grade-point average, other UNC institutions require at least a 2.5 grade-point average. Students must always comply with the admission requirements of the receiving institution.

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c. The following website lists the academic programs offered at the private independent senior institutions in North Carolina: http://www.northcarolina.edu/content.php/assessment/reports/publications/api.htm
d. Students who need assistance in deciding their major may visit CFCC's Career and Testing Services or visit the website about academic majors from their institution of choice. Examples: http://www.uncwil.edu/stuaff/career/Majors orhttps://www1.cfnc.org/Plan/For_A_Career/_default.aspx.

The *English pre-major* is designed for students who plan to pursue a Bachelor of Arts Degree in English. Students who successfully complete this program and who meet admissions requirements at the receiving institution will be eligible to transfer to UNC institutions and some private senior institutions in North Carolina as juniors.

Application to a University

Admission application deadlines vary; students must meet the deadline for the university to which they plan to transfer. Upon successful completion of the associate degree, students who meet the requirements outlines in this pre-major articulation agreement will be eligible to be considered for admission as juniors to the universities offering the baccalaureate degree. Students are encouraged to contact the senior institution to confirm degree offerings.

Admission to the Major

Grade point average requirements vary and admission is competitive across the several programs in English.

Semester Hours Credit

GENERAL EDUCATION CORE ....44 SHC

English Composition...6 SHC

ENG 111	Expository Writing	3
	and	
ENG 112	Argument-Based Research	3
	or	
ENG 113	Literature-Based Research	3

Humanities/Fine Arts..9 SHC

Three courses from at least two discipline areas are required.

Select one literature course from the following (3 SHC):

ENG 231	American Literature I	3
ENG 232	American Literature II	3
ENG 241	British Literature I	3
ENG 242	British Literature II	3
ENG 261	World Literature I	3
ENG 262	World Literature II	3

Two additional courses from the following areas are required: art, drama, foreign languages, interdisciplinary humanities, literature, music, philosophy, and religion. One of the following foreign language sequences is recommended: FRE 111 and FRE 112 or GER 111 and GER 112 or SPA 111 and SPA 112. Each elementary foreign language course has a mandatory lab, which is listed in the "Other Required Hours" section of this program.

1.	ART 111	Art Appreciation	3
	ART 114	Art History Survey I	3
	ART 115	Art History Survey II	3
	ART 116	Survey of American Art	3
	ART 117	Non-Western Art History	3
2.	DRA 111	Theatre Appreciation	3
	DRA 122	Oral Interpretation	3
	DRA 126	Storytelling	3
	DRA 211	Theatre History I	3
	DRA 212	Theatre History II	3
3.	ENG 233	Major American Writers	3
4.	FRE 111	Elementary French I	3
	FRE 112	Elementary French II	3
	FRE 211	Intermediate French I	3
	FRE 212	Intermediate French II	3
	GER 111	Elementary German I	3
	GER 112	Elementary German II	3
	GER 211	Intermediate German I	3
	GER 212	Intermediate German II	3
	SPA 111	Elementary Spanish I	3
	SPA 112	Elementary Spanish II	3
	SPA 211	Intermediate Spanish I	3
	SPA 212	Intermediate Spanish II	3

5.	HUM 110	Technology and Society	3
	HUM 115	Critical Thinking	3
	HUM 120	Cultural Studies	3
	HUM 121	The Nature of America	3
	HUM 122	Southern Culture	3
	HUM 130	Myth in Human Culture	3
	HUM 150	American Women's Studies	3
	HUM 160	Introduction to Film	3
	HUM 161	Advanced Film Studies	3
	HUM 220	Human Values and Meaning	3

6.	MUS 110	Music Appreciation	3
	MUS 112	Introduction to Jazz	3
	MUS 113	American Music	3
	MUS 114	Non-Western Music	3
	MUS 210	History of Rock Music	3
	MUS 211	History of Country Music	3
	MUS 212	American Musical Theatre	3

7.	PHI 210	History of Philosophy	3
	PHI 215	Philosophical Issues	3
	PHI 220	Western Philosophy I	3
	PHI 221	Western Philosophy II	3
	PHI 230	Introduction to Logic	3
	PHI 240	Introduction to Ethics	3

8.	REL 110	World Religions	3
	REL 111	Eastern Religions	3
	REL 112	Western Religions	3
	REL 211	Intro to Old Testament	3
	REL 212	Intro to New Testament	3
	REL 221	Religion in America	3

Speech/Communication..3 SHC

COM 231	Public Speaking	3

Social/Behavioral Sciences ....12 SHC

Select four courses from at least three of the following areas: anthropology, economics, history, political science, psychology, and sociology. HIS 121 is required. In addition, one of the following history courses is recommended: HIS 115, 122, 131, or 132.

1.	ANT 210	General Anthropology	3
	ANT 220	Cultural Anthropology	3

2.	ECO 151	Survey of Economics	3
	ECO 251	Prin of Microeconomics	3
	ECO 252	Prin of Macroeconomics	3

3.	HIS 115	Intro to Global History	3
	HIS 121	Western Civilization I	3
	HIS 122	Western Civilization II	3
	HIS 131	American History I	3
	HIS 132	American History II	3

4.	POL 110	Intro to Political Science	3
	POL 120	American Government	3
	POL 210	Comparative Government	3
	POL 220	International Relations	3

5.	PSY 150	General Psychology	3
	PSY 241	Developmental Psychology	3
	PSY 281	Abnormal Psychology	3

6.	SOC 210	Introduction to Sociology	3
	SOC 213	Sociology of the Family	3
	SOC 220	Social Problems	3
	SOC 230	Race and Ethnic Relations	3
	SOC 240	Social Psychology	3

Natural Sciences/Mathematics...............................14 SHC

Natural Sciences .... *8 SHC*

Select two courses, including accompanying laboratory work, from the biological and/or physical science disciplines. Reminder: BIO 140, CHM 131 and PHY 110 have mandatory labs.

1.	BIO 110	Principles of Biology	4
	BIO 111	General Biology I	4
	BIO 112	General Biology II	4
	BIO 130	Introductory Zoology	4
	BIO 140	Environmental Biology	3
	BIO 140A	Environmental Biology Lab	1

2.	CHM 131	Intro to Chemistry	3
	CHM 131A	Intro to Chemistry Lab	1
	CHM 151	General Chemistry I	4
	CHM 152	General Chemistry II	4

3.	GEL 113	Historical Geology	4
	GEL 120	Physical Geology	4

4.	PHY 110	Conceptual Physics	3
	PHY 110A	Conceptual Physics Lab	1
	PHY 151	College Physics I	4
	PHY 152	College Physics II	4

Math .... *6 SHC*

Two courses are required. Select one or two courses from List I below or select the second course from List II below. Reminder: Students may not take any of these combinations: MAT 171/175 OR MAT 172/175.

The following courses have mandatory labs: MAT 140, 155, 171, 172, 175, and 263. These labs are electives and are listed in the "Other Required Hours" section of this program.

List I

MAT 140	Survey of Mathematics	3
MAT 171	Precalculus Algebra	3
MAT 172	Precalculus Trigonometry	3
MAT 175	Precalculus	4
MAT 263	Brief Calculus	3
MAT 271	Calculus I	4

MAT 272	Calculus II	4
MAT 273	Calculus III	4

List II

CIS 110	Introduction to Computers	3
MAT 155	Statistical Analysis	

General Education Core..44 SHC

OTHER REQUIRED HOURS (20-21 SHC)

One of the following courses is required (3 SHC):

ENG 231	American Literature I	3
ENG 232	American Literature II	3
ENG 241	British Literature I	3
ENG 242	British Literature II	3
ENG 261	World Literature I	3
ENG 262	World Literature II	3

Seventeen (17) additional hours of approved college transfer courses are required.

Two of the following courses are recommended:

ENG 125	Creative Writing I	3
ENG 126	Creative Writing II	3
ENG 131	Introduction to Literature	3
ENG 231	American Literature I	3
ENG 232	American Literature II	3
ENG 233	Major American Writers	3
ENG 241	British Literature I	3
ENG 242	British Literature II	3
ENG 261	World Literature I	3
ENG 262	World Literature II	3
ENG 273	African-American Literature	3
ENG 274	Literature by Women	3

An intermediate foreign language sequence is recommended. No labs are required.

FRE 211	Intermediate French I	3
	and	
FRE 212	Intermediate French II	3
	or	
GER 211	Intermediate German I	3
	and	
GER 212	Intermediate German II	3
	or	
SPA 211	Intermediate Spanish I	3
	and	
SPA 212	Intermediate Spanish II	3

Additional hours may be selected from the remaining general education core and/or the following electives:

ACA 122	College Transfer Success	1
ART 121	Design I	3
ART 122	Design II	3
ART 131	Drawing I	3
ART 132	Drawing II	3
ART 171	Computer Art I	3
ART 240	Painting I	3
ART 241	Painting II	3
ART 261	Photography I	3
ART 262	Photography II	3
ART 264	Digital Photography I	3
ART 265	Digital Photography II	3
ART 266	Videography I	3
ART 267	Videography II	3
ART 271	Computer Art II	3
ART 283	Ceramics I	3
ART 284	Ceramics II	3
CIS 115	Intro to Programming and Logic	3
COE 111	Co-op Work Experience	1
COM 110	Intro to Communication	3
COM 111	Voice and Diction I	3
COM 120	Interpersonal Communication	3
COM 140	Intro to Intercultural Communication	3
COM 150	Intro to Mass Communication	3
COM 160	Small Group Communication	3
COM 232	Election Rhetoric	3
COM 233	Persuasive Speaking	3
COM 250	Public Communication	3
COM 251	Debate I	3
COM 252	Debate II	3
CSC 151	JAVA Programming	3
CTS 115	Info Systems Business Concept	3
DRA 130	Acting I	3
DRA 131	Acting II	3
DRA 170	Play Production I	3
DRA 171	Play Production II	3
EDU 216	Foundations in Education	4
ENG 272	Southern Literature	3
FRE 181	Elementary French Lab1	1
FRE 182	Elementary French Lab 2	1
GER 181	Elementary German Lab 1	1
GER 182	Elementary German Lab 2	1
HIS 116	Current World Problems	3
HIS 221	African-American History	3
HIS 227	Native American History	3
HIS 228	History of the South	3
HIS 229	History of the Old South	3
HUM 170	The Holocaust	3
HUM 230	Leadership Development	3
JOU 110	Intro to Journalism	3
JOU 217	Feature/Editorial Writing	3
MAT 140A	Survey of Mathematics Lab	1
MAT 155A	Statistical Analysis Lab 1	1
MAT 171A	Precalculus Algebra Lab	1
MAT 172A	Precalculus Trig Lab	1
MAT 175A	Precalculus Lab	1
MAT 263A	Brief Calculus Lab	1
PED 110	Fit and Well for Life	2
PED 113	Aerobics I	1
PED 117	Weight Training I	1
PED 120	Walking for Fitness	1
PED 124	Run, Swim, Cycle	1
PED 125	Self-Defense--Beginning	1
PED 128	Golf-Beginning	1
PED 130	Tennis-Beginning	1

PED 132	Racquetball - Beginning	1
PED 143	Volleyball-Beginning	1
PED 145	Basketball-Beginning	1
PED 147	Soccer	1
PED 148	Softball	1
PED 149	Flag Football	1
PED 154	Swimming for Fitness	1
PED 170	Backpacking	1
PED 210	Team Sports	1
PED 211	New Games	1
PED 216	Indoor Cycling	1
PED 219	Disc Golf	1
PHI 250	Philosophy of Science	3
PSY 211	Psychology of Adjustment	3
PSY 259	Human Sexuality	3
PSY 263	Educational Psychology	3
SOC 232	Social Context of Aging	3
SOC 234	Sociology of Gender	3
SOC 242	Sociology of Deviance	3
SPA 141	Culture and Civilization	3
SPA 161	Cultural Immersion	3
SPA 181	Elementary Spanish Lab 1	1
SPA 182	Elementary Spanish Lab 2	1
SPA 221	Spanish Conversation	3
SPA 231	Reading and Composition	3

Total Semester Hours of Other Required Hours...... 20-21

Total Requirement in Semester Hours...................... 64-65

Students must meet the receiving university's foreign language and/or health and physical education requirements, if applicable, prior to or after transfer to the senior institution.

Recommended Courses: FRE 111 and FRE 112, or, SPA 111 and SPA 112; FRE 211 and FRE 212, or, SPA 211 and SPA 212; HIS 115 or HIS 122 or HIS 131 or HIS 132. Two courses from the following list: ENG 125, 126, or any of the literature courses.

English Education

A.A. DEGREE (A1010F)

It is the responsibility of the student to know and to comply with the prerequisites and the corequisites listed in this catalog. If students have previous college credits from other institutions, students are advised to first check with a counselor at the receiving institution (the institution in which they plan to attend upon leaving CFCC). A counselor at the receiving institution should advise students of the courses to take at CFCC if the students have credits from other institutions. Otherwise, students will be encouraged to 1) complete their associate degree, which consists of 64-65 semester hours, or, the general education core, which consists of 44 semester hours; 2) contact their CFCC advisor, register early, and pay their tuition on time; and 3) earn a grade of "C"or higher on the first attempt. While some UNC institutions accept students with a 2.0 grade-point average, other UNC institutions require at least a 2.5 grade-point average. Students must always comply with the admission requirements of the receiving institution.

Important Websites

a. The following website provides more CFCC college transfer and advising information: http://cfcc.edu/transfer/.
b. The following website lists the academic programs offered at the sixteen (16) UNC institutions: http://www.northcarolina.edu/programs/index.php.
c. The following website lists the academic programs offered at the private independent senior institutions in North Carolina: http://www.northcarolina.edu/content.php/assessment/reports/publications/api.htm
d. Students who need assistance in deciding their major may visit CFCC's Career and Testing Services or visit the website about academic majors from their institution of choice. Examples: http://www.uncwil.edu/stuaff/career/Majors orhttps://www1.cfnc.org/Plan/For_A_Career/_default.aspx.

The *English Education pre-major* is designed for students who plan to pursue a Bachelor of Arts Degree in English Education. Students who successfully complete this program and who meet admissions requirements at the receiving institution, will be eligible to transfer to UNC institutions and some private senior institutions in North Carolina as juniors.

Semester Hours Credit

GENERAL EDUCATION CORE ....44 SHC

English Composition..6 SHC

ENG 111	Expository Writing	3
	and	
ENG 112	Argument-Based Research	3
	or	
ENG 113	Literature-Based Research	3

Humanities/Fine Arts...12 SHC

Select four courses from at least three of the following discipline areas: art, drama, foreign languages, interdisciplinary humanities, literature, music, philosophy, and religion. One course must be a literature course. One of the following foreign language sequences and the accompanying labs (for elementary foreign languages only) are recommended: FRE 111 and FRE 112 or GER 111 and GER 112 or SPA 111 and SPA 112. One of the following fine art courses is recommended: ART 111, DRA 111, HUM 160, or MUS 110.

1.	ART 111	Art Appreciation	3
	ART 114	Art History Survey I	3
	ART 115	Art History Survey II	3
	ART 116	Survey of American Art	3
	ART 117	Non-Western Art History	3
2.	DRA 111	Theatre Appreciation	3
	DRA 122	Oral Interpretation	3
	DRA 126	Storytelling	3
	DRA 211	Theatre History I	3
	DRA 212	Theatre History II	3
3.	ENG 131	Introduction to Literature	3
	ENG 231	American Literature I	3
	ENG 232	American Literature II	3
	ENG 233	Major American Writers	3
	ENG 241	British Literature I	3
	ENG 242	British Literature II	3
	ENG 261	World Literature I	3
	ENG 262	World Literature II	3
4.	FRE 111	Elementary French I	3
	FRE 112	Elementary French II	3
	FRE 211	Intermediate French I	3
	FRE 212	Intermediate French II	3
	GER 111	Elementary German I	3
	GER 112	Elementary German II	3
	GER 211	Intermediate German I	3
	GER 212	Intermediate German II	3
	SPA 111	Elementary Spanish I	3
	SPA 112	Elementary Spanish II	3
	SPA 211	Intermediate Spanish I	3
	SPA 212	Intermediate Spanish II	3
5.	HUM 110	Technology and Society	3
	HUM 115	Critical Thinking	3
	HUM 120	Cultural Studies	3
	HUM 121	The Nature of America	3
	HUM 122	Southern Culture	3
	HUM 130	Myth in Human Culture	3
	HUM 150	American Women's Studies	3
	HUM 160	Introduction to Film	3
	HUM 161	Advanced Film Studies	3
	HUM 220	Human Values and Meaning	3
6.	MUS 110	Music Appreciation	3
	MUS 112	Introduction to Jazz	3
	MUS 113	American Music	3
	MUS 114	Non-Western Music	3
	MUS 210	History of Rock Music	3
	MUS 211	History of Country Music	3
	MUS 212	American Musical Theatre	3
7.	PHI 210	History of Philosophy	3
	PHI 215	Philosophical Issues	3
	PHI 220	Western Philosophy I	3
	PHI 221	Western Philosophy II	3
	PHI 230	Introduction to Logic	3
	PHI 240	Introduction to Ethics	3
8.	REL 110	World Religions	3
	REL 111	Eastern Religions	3
	REL 112	Western Religions	3
	REL 211	Intro to Old Testament	3
	REL 212	Intro to New Testament	3
	REL 221	Religion in America	3

Social/Behavioral Sciences ....12 SHC

Select four courses from at least three of the following areas: anthropology, economics, history, political science, psychology, and sociology. HIS 121 or HIS 122 and PSY 150 are required. In addition, one of the following is recommended: HIS 115, 122, 131, or 132.

1.	ANT 210	General Anthropology	3
	ANT 220	Cultural Anthropology	3
2.	ECO 151	Survey of Economics	3
	ECO 251	Prin of Microeconomics	3
	ECO 252	Prin of Macroeconomics	3
3.	HIS 121	Western Civilization I	3
	HIS 122	Western Civilization II	3
	HIS 131	American History I	3
	HIS 132	American History II	3
4.	POL 110	Intro to Political Science	3
	POL 120	American Government	3
	POL 210	Comparative Government	3
	POL 220	International Relations	3
5.	PSY 150	General Psychology	3
	PSY 241	Developmental Psychology	3
	PSY 281	Abnormal Psychology	3
6.	SOC 210	Introduction to Sociology	3
	SOC 213	Sociology of the Family	3
	SOC 220	Social Problems	3
	SOC 230	Race and Ethnic Relations	3
	SOC 240	Social Psychology	3

Natural Sciences/Mathematics................................14 SHC
Natural Sciences .... 8 SHC
Select two courses, including accompanying laboratory work, from the biological and/or physical science disciplines.
Reminder: BIO 140, CHM 131 and PHY 110 have mandatory labs.

1.	BIO 110	Principles of Biology	4
	BIO 111	General Biology I	4
	BIO 112	General Biology II	4
	BIO 130	Introductory Zoology	4
	BIO 140	Environmental Biology	3
	BIO 140A	Environmental Biology Lab	1
2.	CHM 131	Intro to Chemistry	3
	CHM 131A	Intro to Chemistry Lab	1
	CHM 151	General Chemistry I	4
	CHM 152	General Chemistry II	4
4.	GEL 113	Historical Geology	4
	GEL 120	Physical Geology	4
5.	PHY 110	Conceptual Physics	3
	PHY 110A	Conceptual Physics Lab	1
	PHY 151	College Physics I	4
	PHY 152	College Physics II	4

Math .... 6 SHC
Two courses are required. Select one or two courses from List I below or select the second course from List II below. Reminders: Students may not take any of these combinations: MAT 171/175 OR MAT 172/175.

The following courses have mandatory labs: MAT 140, 155, 171, 172, 175, and 263. These labs are electives and are listed in the "Other Required Hours" section of this program.

List I

MAT 140	Survey of Mathematics	3
MAT 171	Precalculus Algebra	3
MAT 172	Precalculus Trigonometry	3
MAT 175	Precalculus	4
MAT 263	Brief Calculus	3
MAT 271	Calculus I	4
MAT 272	Calculus II	4
MAT 273	Calculus III	4

List II

CIS 110	Introduction to Computers	3
MAT 155	Statistical Analysis	3

General Education Core...44 SHC

OTHER REQUIRED HOURS (20-21 SHC)
The following courses are required (7 SHC):

COM 231	Public Speaking	3
EDU 216	Foundations in Education	4

At certain UNC institutions, EDU 216 may fulfill a major requirement; at most institutions, it will transfer only as a free elective.

Thirteen (13) additional hours of approved college transfer courses are required.

One of the following courses with multi-cultural or gender emphasis is recommended (3 SHC):

ENG 272	Southern Literature	3
ENG 273	African-American Literature	3
ENG 274	Literature by Women	3
HIS 221	African-American History	3
SOC 230	Race and Ethnic Relations	3

Two additional 200-level courses in literature are recommended These courses may include ENG 272, ENG 273, and ENG 274. (6 SHC)

An intermediate foreign language is recommended (6 SHC):

FRE 211	Intermediate French I	3
	and	
FRE 212	Intermediate French II	3
	or	
GER 211	Intermediate German I	3
	and	
GER 212	Intermediate German II	3
	or	
SPA 211	Intermediate Spanish I	3
	and	
SPA 212	Intermediate Spanish II	3

Additional hours may be selected from the remaining general education core and/or the courses listed under the "Other Required Hours" section.

ACA 122	College Transfer Success	1
ART 266	Videography I	3
ART 267	Videography II	3
CIS 115	Intro to Programming and Logic	3
COE111	Co-op Work Experience	1
COM 110	Interpersonal Communication	3
COM 111	Voice and Diction I	3
COM 120	Interpersonal Communication	3
COM 140	Intro to Intercultural Communication	3
COM 150	Intro to Mass Communication	3
COM 160	Small Group Communication	3
COM 250	Public Communication	3
COM 251	Debate I	3
COM 252	Debate II	3
CSC 151	JAVA Programming	3
CTS 115	Info Systems Business Concept	3
DRA 130	Acting I	3
DRA 131	Acting II	3
DRA 140	Stagecraft I	3
DRA 141	Stagecraft II	3
DRA 170	Play Production I	3
DRA 171	Play Production II	3
DRA 260	Directing	3
ENG 125	Creative Writing I	3

ENG 126	Creative Writing II	3
ENG 231	American Literature I	3
ENG 232	American Literature II	3
ENG 233	Major American Writers	3
ENG 241	British Literature I	3
ENG 242	British Literature II	3
ENG 261	World Literature I	3
ENG 262	World Literature II	3
FRE 181	Elementary French Lab 1	1
FRE 182	Elementary French Lab 2	1
GER 181	Elementary German Lab 1	1
GER 182	Elementary German Lab 2	1
HIS 116	Current World Problems	3
HIS 227	Native American History	3
HIS 228	History of the South	3
HIS 229	History of the Old South	3
HUM 170	The Holocaust	3
HUM 230	Leadership Development	3
JOU 110	Intro to Journalism	3
JOU 217	Feature/Editorial Writing	3
MAT 140A	Survey of Mathematics Lab	1
MAT 155A	Statistical Analysis Lab	1
MAT 171A	Precalculus Algebra Lab	1
MAT 172A	Precalculus Trig Lab	1
MAT 175A	Precalculus Lab	1
MAT 263A	Brief Calculus Lab	1
PED 110	Fit and Well for Life	2
PED 113	Aerobics I	1
PED 117	Weight Training I	1
PED 120	Walking for Fitness	1
PED 124	Run, Swim, Cycle	1
PED 125	Self-Defense-Beginning	1
PED 128	Golf-Beginning	1
PED 130	Tennis-Beginning	1
PED 132	Racquetball - Beginning	1
PED 143	Volleyball-Beginning	1
PED 145	Basketball-Beginning	1
PED 147	Soccer	1
PED 148	Softball	1
PED 149	Flag Football	1
PED 154	Swimming for Fitness	1
PED 170	Backpacking	1
PED 210	Team Sports	1
PED 211	New Games	1
PED 216	Indoor Cycling	1
PED 219	Disc Golf	1
PHI 250	Philosophy of Science	3
PSY 211	Psychology of Adjustment	3
PSY 259	Human Sexuality	3
PSY 263	Educational Psychology	3
SOC 232	Social Context of Aging	3
SOC 234	Sociology of Gender	3
SOC 242	Sociology of Deviance	3
SPA 141	Culture and Civilization	3
SPA 161	Cultural Immersion	3
SPA 181	Elementary Spanish Lab 1	1
SPA 182	Elementary Spanish Lab 2	1
SPA 221	Spanish Conversation	3
SPA 231	Reading and Composition	3

Total Semester Hours of Other Required Hours...... 20-21

Total Requirement in Semester Hours..................... 64-65

Students must meet the receiving university's foreign language and/or health and physical education requirements, if applicable, prior to or after transfer to the senior institution.

Recommended Courses: FRE 111 and FRE 112, or, SPA 111 and SPA 112; HIS 115, HIS 122, HIS 131, or HIS 132; CIS 110; FRE 211 and FRE 212, or, SPA 211 and SPA 212; two additional 200-level courses in literature.

History

A.A. DEGREE (A1010H)

It is the responsibility of the student to know and to comply with the prerequisites and the corequisites listed in this catalog. If students have previous college credits from other institutions, students are advised to first check with a counselor at the receiving institution (the institution in which they plan to attend upon leaving CFCC). A counselor at the receiving institution should advise students of the courses to take at CFCC if the students have credits from other institutions. Otherwise, students will be encouraged to 1) complete their associate degree, which consists of 64-65 semester hours, or, the general education core, which consists of 44 semester hours; 2) contact their CFCC advisor, register early, and pay their tuition on time; and 3) earn a grade of "C"or higher on the first attempt. While some UNC institutions accept students with a 2.0 grade-point average, other UNC institutions require at least a 2.5 grade-point average. Students must always comply with the admission requirements of the receiving institution.

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c. The following website lists the academic programs offered at the private independent senior institutions in North Carolina: http://www.northcarolina.edu/content.php/assessment/reports/publications/api.htm
d. Students who need assistance in deciding their major may visit CFCC's Career and Testing Services or visit the website about academic majors from their institution of choice. Examples: http://www.uncwil.edu/stuaff/career/Majors orhttps://www1.cfnc.org/Plan/For_A_Career/_default.aspx.

The *History pre-major* is designed for students who plan to pursue a Bachelor of Arts Degree in History. Students who successfully complete this program and who meet admissions requirements at the receiving institution, will be eligible to transfer to UNC institutions and some private senior institutions in North Carolina as juniors.

Application to a University
Admission application deadlines vary; students must meet the deadline for the university to which they plan to transfer. Upon successful completion of the associate degree, students who meet the requirements outlined in this pre-major articulation agreement will be eligible to be considered for admission as juniors to the universities offering the baccalaureate degree. Students are encouraged to contact the senior institution to confirm degree offerings.

Admission to the Major
Grade-point average requirements vary and admission is competitive across the several programs in History.

Semester Hours Credit

GENERAL EDUCATION CORE ....44 SHC

English Composition...6 SHC
ENG 112 or ENG 113 is recommended to satisfy the second composition.

ENG 111	Expository Writing	3
	and	
ENG 112	Argument-Based Research	3
	or	
ENG 113	Literature-Based Research	3
	or	
ENG 114	Professional Research and Reporting	3

Humanities/Fine Arts..9 SHC
Select three courses from at least two of the following areas: art, drama, foreign languages, interdisciplinary humanities, literature, music, philosophy, and religion. One course must be a literature course. One foreign language is recommended. Note: Elementary foreign languages require labs, which are listed as electives or "Other Required Hours."

1. ART 111	Art Appreciation	3
ART 114	Art History Survey I	3
ART 115	Art History Survey II	3
ART 116	Survey of American Art	3
ART 117	Non-Western Art History	3
2. DRA 111	Theatre Appreciation	3
DRA 122	Oral Interpretation	3
DRA 126	Storytelling	3
DRA 211	Theatre History I	3
DRA 212	Theatre History II	3
3. ENG 131	Introduction to Literature	3
ENG 231	American Literature I	3
ENG 232	American Literature II	3
ENG 233	Major American Writers	3
ENG 241	British Literature I	3
ENG 242	British Literature II	3
ENG 261	World Literature I	3
ENG 262	World Literature II	3
4. FRE 111	Elementary French I	3
FRE 112	Elementary French II	3
FRE 211	Intermediate French I	3
FRE 212	Intermediate French II	3
GER 111	Elementary German I	3
GER 112	Elementary German II	3
GER 211	Intermediate German I	3
GER 212	Intermediate German II	3
SPA 111	Elementary Spanish I	3
SPA 112	Elementary Spanish II	3
SPA 211	Intermediate Spanish I	3
SPA 212	Intermediate Spanish II	3
5. HUM 110	Technology and Society	3
HUM 115	Critical Thinking	3
HUM 120	Cultural Studies	3
HUM 121	The Nature of America	3
HUM 122	Southern Culture	3
HUM 130	Myth in Human Culture	3
HUM 150	American Women's Studies	3
HUM 160	Introduction to Film	3
HUM 161	Advanced Film Studies	3
HUM 220	Human Values and Meaning	3
6. MUS 110	Music Appreciation	3
MUS 112	Introduction to Jazz	3
MUS 113	American Music	3
MUS 114	Non-Western Music	3
MUS 210	History of Rock Music	3
MUS 211	History of Country Music	3
MUS 212	American Music Theatre	3
7. PHI 210	History of Philosophy	3
PHI 215	Philosophical Issues	3
PHI 220	Western Philosophy I	3
PHI 221	Western Philosophy II	3
PHI 230	Introduction to Logic	3
PHI 240	Introduction to Ethics	3
8. REL 110	World Religions	3
REL 111	Eastern Religions	3
REL 112	Western Religions	3
REL 211	Intro to Old Testament	3
REL 212	Intro to New Testament	3
REL 221	Religion in America	3

Speech/Communication..3 SHC
COM 231 is recommended.

COM 110	Intro to Communication	3
	or	
COM 120	Interpersonal Communication	3
	or	
COM 140	Intro Intercultural Com	3
	or	
COM 231	Public Speaking	3

Social/Behavioral Sciences ....12 SHC
Select four courses from at least three of the following areas: anthropology, economics, history, political science, psychology, and sociology. One course must be a history course. The following courses are recommended: HIS 121, HIS 122, POL 120, and PSY 150.

1.	ANT 210	General Anthropology	3
	ANT 220	Cultural Anthropology	3
2.	ECO 151	Survey of Economics	3
	ECO 251	Prin of Microeconomics	3
	ECO 252	Prin of Macroeconomics	3
3.	HIS 115	Intro to Global History	3
	HIS 121	Western Civilization I	3
	HIS 122	Western Civilization II	3
	HIS 131	American History I	3
	HIS 132	American History II	3
4.	POL 110	Intro to Political Science	3
	POL 120	American Government	3
	POL 210	Comparative Government	3
	POL 220	International Relations	3
5.	PSY 150	General Psychology	3
	PSY 241	Developmental Psychology	3
	PSY 281	Abnormal Psychology	3
6.	SOC 210	Introduction to Sociology	3
	SOC 213	Sociology of the Family	3
	SOC 220	Social Problems	3
	SOC 230	Race and Ethnics Relations	3
	SOC 240	Social Psychology	3

Natural Sciences/Mathematics................................14 SHC
Natural Sciences .... 8 SHC
Select two courses, including accompanying laboratory work, from the biological and/or physical science disciplines.
Reminder: BIO 140, CHM 131 and PHY 110 have mandatory labs.

1.	BIO 110	Principles of Biology	4
	BIO 111	General Biology I	4
	BIO 112	General Biology II	4
	BIO 130	Introductory Zoology	4
	BIO 140	Environmental Biology	3
	BIO 140A	Environmental Biology Lab	1
2.	CHM 131	Intro to Chemistry	3
	CHM 131A	Intro to Chemistry Lab	1
	CHM 151	General Chemistry I	4
	CHM 152	General Chemistry II	4
3.	GEL 113	Historical Geology	4
	GEL 120	Physical Geology	4
4.	PHY 110	Conceptual Physics	3
	PHY 110A	Conceptual Physics Lab	1
	PHY 151	College Physics I	4
	PHY 152	College Physics II	4

Math .... 6 SHC
Two courses are required. Select one or two courses from List I below or select the second course from List II below. Reminder: Students may not take any of these combinations: MAT 171/175 OR MAT 172/175.

The following courses have mandatory labs: MAT 155, 171, 172, 175, and 263. These labs are electives and are listed in the "Other Required Hours" section of this program.

List I

MAT 171	Precalculus Algebra	3
MAT 172	Precalculus Trigonometry	3
MAT 175	Precalculus	4
MAT 263	Brief Calculus	3
MAT 271	Calculus I	4
MAT 272	Calculus II	4
MAT 273	Calculus III	4

List II

CIS 110	Introduction to Computers	3
MAT 155	Statistical Analysis	3

Total General Education Core ....44 SHC

OTHER REQUIRED HOURS (20-21 SHC)
Other required hours should be selected from pre-major articulation agreements, remaining general education courses and/or the electives listed below.

Students intending to major in a history program at a UNC institution are advised to take no more than 12 elective hours in history at the community college level.

The following electives are recommended: HIS 115, HIS 131, HIS 132, PED 110, and PSY 241.

ACA 122	College Transfer Success	1
ART 121	Design I	3
ART 122	Design II	3
ART 131	Drawing I	3
ART 132	Drawing II	3
ART 171	Computer Art I	3
ART 240	Painting I	3
ART 241	Painting II	3
ART 261	Photography I	3
ART 262	Photography II	3
ART 264	Digital Photography I	3
ART 265	Digital Photography II	3
ART 271	Computer Art II	3
ART 283	Ceramics I	3
ART 284	Ceramics II	3
CIS 115	Intro to Programming and Logic	3
CJC 111	Intro to Criminal Justice	3

CJC 121	Law Enforcement Operations	3
CJC 141	Corrections	3
COE111	Co-op Work Experience	1
COM 251	Debate I	3
COM 252	Debate II	3
CSC 151	JAVA Programming	3
CTS 115	Info Sys Business Concept	3
DRA 170	Play Production I	3
DRA 171	Play Production II	3
EDU 216	Foundations in Education	4
ENG 125	Creative Writing I	3
ENG 126	Creative Writing II	3
ENG 272	Southern Literature	3
ENG 273	African-American Literature	3
ENG 274	Literature by Women	3
FRE 181	Elementary French Lab1	1
FRE 182	Elementary French Lab 2	1
GER 181	Elementary German Lab 1	1
GER 182	Elementary German Lab 2	1
HIS 116	Current World Problems	3
HIS 221	African-American History	3
HIS 227	Native American History	3
HIS 228	History of the South	3
HIS 229	History of the Old South	3
HUM 170	The Holocaust	3
HUM 230	Leadership Development	3
JOU 110	Intro to Journalism	3
JOU 217	Feature/Editorial Writing	3
MAT 155A	Statistical Analysis Lab	1
MAT 171A	Precalculus Algebra Lab	1
MAT 172A	Precalculus Trig Lab	1
MAT 175A	Precalculus Lab	1
MAT 263A	Brief Calculus Lab	1
PED 110	Fit and Well for Life	2
PED 113	Aerobics I	1
PED 117	Weight Training I	1
PED 120	Walking for Fitness	1
PED 124	Run, Swim, Cycle	1
PED 125	Self-Defense--Beginning	1
PED 128	Golf-Beginning	1
PED 130	Tennis-Beginning	1
PED 132	Racquetball - Beginning	1
PED 143	Volleyball - Beginning	1
PED 147	Soccer	1
PED 148	Softball	1
PED 149	Flag Football	1
PED 154	Swimming for Fitness	1
PED 170	Backpacking	1
PED 210	Team Sports	1
PED 211	New Games	1
PED 216	Indoor Cycling	1
PED 219	Disc Golf	1
PHI 250	Philosophy of Science	3
PSY 211	Psychology of Adjustment	3
PSY 259	Human Sexuality	3
PSY 263	Educational Psychology	3
SOC 232	Social Context of the Aging	3
SOC 234	Sociology of Gender	3
SOC 242	Sociology of Deviance	3
SPA 141	Culture and Civilization	3
SPA 161	Cultural Immersion	3
SPA 181	Elementary Spanish Lab 1	1
SPA 182	Elementary Spanish Lab 2	1
SPA 221	Spanish Conversation	3
SPA 231	Reading and Composition	3

Total Semester Hours of Other Required Hours...... 20-21

Total Requirement in Semester Hours..................... 64-65

Students must meet the receiving university's foreign language and/or health and physical education requirements, if applicable, prior to or after transfer to the senior institution.

Recommended Courses: COM 231; ENG 112 or 113; one foreign language; HIS 115, 121, 122, 131, and 132; PED 110; POL 120; PSY 150; and PSY 241.

Information Systems

A.A. DEGREE (A1010V)

It is the responsibility of the student to know and to comply with the prerequisites and the corequisites listed in this catalog. If students have previous college credits from other institutions, students are advised to check first with a counselor at the receiving institution (the institution in which they plan to attend upon leaving CFCC). A counselor at the receiving institution should advise students of the courses to take at CFCC if the students have credits from other institutions. Otherwise, students will be encouraged to 1) complete their associate degree, which consists of 64-65 semester hours, or, the general education core, which consists of 44 semester hours; 2) contact their CFCC advisor, register early, and pay their tuition on time; and 3) earn a grade of "C"or higher on the first attempt. Some UNC institutions have increased their admission requirements from a 2.0 to a 2.5 grade-point average. Students must always comply with the admission requirements of the receiving institution.

Important Websites

a. The following website provides more CFCC college transfer and advising information: http://cfcc.edu/transfer/.
b. The following website lists the academic programs offered at the sixteen (16) UNC institutions: http://www.northcarolina.edu/programs/index.php.
c. The following website lists the academic programs offered at the private independent senior institutions in North Carolina: http://www.northcarolina.edu/content.php/assessment/reports/publications/api.htm
d. Students who need assistance in deciding their major may visit CFCC's Career and Testing Services or visit the website about academic majors from their institution of choice. Examples: http://www.uncwil.edu/stuaff/career/Majors orhttps://www1.cfnc.org/Plan/For_A_Career/_default.aspx.

The *Associate in Arts: Information Systems* degree is designed to provide the first two years for students who plan to major in Information Systems at a four-year institution. Students should receive junior status upon transfer.

Application to a University

Admission application deadlines vary: students must meet the deadline for the university to which they plan to transfer. The student should be advised that while individual courses may be considered for transfer credit, most institutions give preference to applicants who have completed a two-year degree.

A student is eligible to be granted the Associate in Arts Degree upon completion of 64-65 semester hours, including all the required minimums outlined below.

Admission to the Major

Grade-point average requirements vary, and admission is competitive across the several programs in Information Systems.

Semester Hours Credit

GENERAL EDUCATION CORE ....44 SHC

English Composition..6 SHC

ENG 112 or ENG 113 is recommended to satisfy the second composition.

ENG 111	Expository Writing	3
	and	
ENG 112	Argument-Based Research	3
	or	
ENG 113	Literature-Based Research	3
	or	
ENG 114	Professional Research and Reporting	3

Humanities/Fine Arts...9 SHC

Select three courses from at least two of the following areas: art, drama, foreign languages, interdisciplinary humanities, literature, music, philosophy, and religion. One course must be a literature course. Reminder: Each elementary foreign language course has a mandatory lab, which is listed in the "Other Required Hours" section of this program.

1.	ART 111	Art Appreciation	3
	ART 114	Art History Survey I	3
	ART 115	Art History Survey II	3
	ART 116	Survey of American Art	3
	ART 117	Non-Western Art History	3
2.	DRA 111	Theatre Appreciation	3
	DRA 122	Oral Interpretation	3
	DRA 126	Storytelling	3
	DRA 211	Theatre History I	3
	DRA 212	Theatre History II	3
3.	ENG 131	Introduction to Literature	3
	ENG 231	American Literature I	3
	ENG 232	American Literature II	3
	ENG 233	Major American Writers	3
	ENG 241	British Literature I	3
	ENG 242	British Literature II	3
	ENG 261	World Literature I	3
	ENG 262	World Literature II	3
4.	FRE 111	Elementary French I	3
	FRE 112	Elementary French II	3
	FRE 211	Intermediate French I	3
	FRE 212	Intermediate French II	3
	GER 111	Elementary German I	3
	GER 112	Elementary German II	3
	GER 211	Intermediate German I	3
	GER 212	Intermediate German II	3
	SPA 111	Elementary Spanish I	3
	SPA 112	Elementary Spanish II	3
	SPA 211	Intermediate Spanish I	3
	SPA 212	Intermediate Spanish II	3
5.	HUM 110	Technology and Society	3
	HUM 115	Critical Thinking	3
	HUM 120	Cultural Studies	3
	HUM 121	The Nature of America	3
	HUM 122	Southern Culture	3
	HUM 130	Myth in Human Culture	3
	HUM 150	American Women's Studies	3
	HUM 160	Introduction to Film	3
	HUM 161	Advanced Film Studies	3
	HUM 220	Human Values and Meaning	3
6.	MUS 110	Music Appreciation	3
	MUS 112	Introduction to Jazz	3
	MUS 113	American Music	3
	MUS 114	Non-Western Music	3
	MUS 210	History of Rock Music	3
	MUS 211	History of Country Music	3
	MUS 212	American Musical Theatre	3
7.	PHI 210	History of Philosophy	3
	PHI 215	Philosophical Issues	3
	PHI 220	Western Philosophy I	3
	PHI 221	Western Philosophy II	3
	PHI 230	Introduction to Logic	3
	PHI 240	Introduction to Ethics	3
8.	REL 110	World Religions	3
	REL 111	Eastern Religions	3
	REL 112	Western Religions	3
	REL 211	Intro to Old Testament	3
	REL 212	Intro to New Testament	3
	REL 221	Religion in America	3

Speech/Communication 3 SHC
COM 231 is recommended.

COM 110	Intro to Communication	3
	or	
COM 120	Interpersonal Communication	3
	or	
COM 140	Intro Intercultural Com	3
	or	
COM 231	Public Speaking	

Social/Behavioral Sciences 12 SHC
Select four courses from at least three of the following areas: anthropology, economics, history, political science, psychology, and sociology. One course must be a history course. ECO 151 is required. The following courses are recommended: POL 120, PSY 150, and SCO 210.

1.	ANT 210	General Anthropology	3
	ANT 220	Cultural Anthropology	3
2.	ECO 151	Survey of Economics	3
	ECO 251	Prin of Microeconomics	3
3.	HIS 115	Intro to Global History	3
	HIS 121	Western Civilization I	3
	HIS 122	Western Civilization II	3
	HIS 131	American History I	3
	HIS 132	American History II	3
4.	POL 110	Intro to Political Science	3
	POL 120	American Government	3
	POL 210	Comparative Government	3
	POL 220	International Relations	3
5.	PSY 150	General Psychology	3
	PSY 241	Developmental Psychology	3
	PSY 281	Abnormal Psychology	3
6.	SOC 210	Introduction to Sociology	3
	SOC 213	Sociology of the Family	3
	SOC 220	Social Problems	3
	SOC 230	Race and Ethnic Relations	3
	SOC 240	Social Psychology	3

Natural Sciences/Mathematics 14 SHC
Natural Sciences 8 SHC
Select two courses, including accompanying laboratory work, from the biological and/or physical science disciplines.
Reminder: BIO 140, CHM 131 and PHY 110 have mandatory labs.

1.	BIO 110	Principles of Biology	4
	BIO 111	General Biology I	4
	BIO 112	General Biology II	4
	BIO 130	Introduction to Zoology	4
	BIO 140	Environmental Biology	3
	BIO 140A	Environmental Biology Lab	1
2.	CHM 131	Intro to Chemistry	3
	CHM 131A	Intro to Chemistry Lab	1
	CHM 151	General Chemistry I	4
	CHM 152	General Chemistry II	4
3.	GEL 113	Historical Geology	4
	GEL 120	Physical Geology	4
4.	PHY 110	Conceptual Physics	3
	PHY 110A	Conceptual Physics Lab	1
	PHY 151	College Physics I	4
	PHY 152	College Physics II	4

Math 6 SHC
Two courses are required. Select one course from List I and select the second course from List II below.

The following courses have mandatory labs: MAT 171, 175, and 263. These labs are electives and are listed in the "Other Required Hours" section of this program.

List I

MAT 171	Precalculus Algebra	3
MAT 175	Precalculus	4

List II

MAT 263	Brief Calculus	3
MAT 271	Calculus I	4

Total General Education Core 44 SHC

OTHER REQUIRED HOURS (20-21 SHC)
Only 64 hours are guaranteed to transfer under the Comprehensive Articulation Agreement.

The following are required (18 SHC): ACC 120, ACC 121, CIS 110 or CTS 115, ECO 252, and MAT 155/155A.

Other required hours should be selected from the remaining general education courses and/or the electives listed below. BUS 115 is recommended.

ACA 122	College Transfer Success	1
ACC 120	Prin of Financial Accounting I	4
ACC 121	Prin of Managerial Accounting	4
ART 121	Design I	3
ART 131	Drawing I	3
ART 171	Computer Art I	3
ART 261	Photography I	3
ART 264	Digital Photography I	3
ART 266	Videography I	3
BUS 115	Business Law I	3
CIS 110	Introduction to Computers	3
COE 111	Co-opWork Experience	1
CTS 115	Info Systems Business Concept	3
ECO 252	Prin of Macroeconomics	3
FRE 181	Elementary French Lab1	1
FRE 182	Elementary French Lab 2	1
GER 181	Elementary German Lab 1	1

GER 182	Elementary German Lab 2	1
HUM 140	History of Architecture	3
HUM 170	The Holocaust	3
HUM 230	Leadership Development	3
MAT 155	Statistical Analysis	3
MAT 155A	Statistical Analysis Lab	1
PED 110	Fit and Well for Life	2
PED 113	Aerobics I	1
PED 117	Weight Training I	1
PED 120	Walking for Fitness	1
PED 124	Run, Swim, Cycle	1
PED 125	Self-Defense--Beginning	1
PED 128	Golf-Beginning	1
PED 130	Tennis-Beginning	1
PED 132	Racquetball - Beginning	1
PED 143	Volleyball-Beginning	1
PED 145	Basketball-Beginning	1
PED 147	Soccer	1
PED 148	Softball	1
PED 149	Flag Football	1
PED 154	Swimming for Fitness	1
PED 170	Backpacking	1
PED 210	Team Sports	1
PED 211	New Games	1
PED 216	Indoor Cycling	1
PED 219	Disc Golf	1
PHI 250	Philosophy of Science	3
PSY 211	Psychology of Adjustment	3
PSY 259	Human Sexuality	3
PSY 263	Educational Psychology	3
SOC 232	Social Context of Aging	3
SOC 234	Sociology of Gender	3
SOC 242	Sociology of Deviance	3
SPA 141	Culture and Civilization	3
SPA 161	Cultural Immersion	3
SPA 181	Elementary Spanish Lab 1	1
SPA 182	Elementary Spanish Lab 2	1

Total Semester Hours of Other Required Hours...... 20-21

Total Requirement in Semester Hours..................... 64-65

Students must meet the receiving university's foreign language and/or health and physical education requirements, if applicable, prior to or after transfer to the senior institution.

Mass Communication/ Journalism

A.A. DEGREE (A1010W)

It is the responsibility of the student to know and to comply with the prerequisites and the corequisites listed in this catalog. If students have previous college credits from other institutions, students are advised to check first with a counselor at the receiving institution (the institution in which they plan to attend upon leaving CFCC). A counselor at the receiving institution should advise students of the courses to take at CFCC if the students have credits from other institutions. Otherwise, students will be encouraged to 1) complete their associate degree, which consists of 64-65 semester hours, or, the general education core, which consists of 44 semester hours; 2) contact their CFCC advisor, register early, and pay their tuition on time; and 3) earn a grade of "C"or higher on the first attempt. Some UNC institutions have increased their admission requirements from a 2.0 to a 2.5 grade-point average. Students must always comply with the admission requirements of the receiving institution.

Important Websites

a. The following website provides more CFCC college transfer and advising information: http://cfcc.edu/transfer/.
b. The following website lists the academic programs offered at the sixteen (16) UNC institutions: http://www.northcarolina.edu/programs/index.php.
c. The following website lists the academic programs offered at the private independent senior institutions in North Carolina: http://www.northcarolina.edu/content.php/assessment/reports/publications/api.htm
d. Students who need assistance in deciding their major may visit CFCC's Career and Testing Services or visit the website about academic majors from their institution of choice. Examples: http://www.uncwil.edu/stuaff/career/Majors or https://www1.cfnc.org/Plan/For_A_Career/_default.aspx.

The Associate in Arts: *Mass Communication/Journalism* degree is designed to provide the first two years for students who plan to major in Mass Communication or Journalism at a four-year institution. Students should receive junior status upon transfer.

Application to a University

Admission application deadlines vary: students must meet the deadline for the university to which they plan to transfer. The student should be advised that while individual courses may be considered for transfer credit, most institutions give preference to applicants who have completed a two-year degree.

A student is eligible to be granted the Associate in Arts Degree upon completion of 64-65 semester hours, including all the required minimums outlined below.

Admission to the Major

Grade-point average requirements vary, and admission is competitive across the several programs in Mass Communication/Journalism.

Semester Hours Credit

GENERAL EDUCATION CORE ....44 SHC

English Composition...6 SHC

ENG 111	Expository Writing	3
	and	
ENG 112	Argument-Based Research	3
	or	
ENG 113	Literature-Based Research	3
	or	
ENG 114	Prof Research & Reporting	3

Humanities/Fine Arts..9 SHC

Select four courses from at least three of the following areas: art, drama, foreign languages, interdisciplinary humanities, literature, music, philosophy, and religion. One course must be a literature course. HUM 160 is recommended. PHI 240 is required.

1.	ART 111	Art Appreciation	3
	ART 114	Art History Survey I	3
	ART 115	Art History Survey II	3
	ART 116	Survey of American Art	3
	ART 117	Non-Western Art History	3
2.	DRA 111	Theatre Appreciation	3
	DRA 122	Oral Interpretation	3
	DRA 126	Storytelling	3
	DRA 211	Theatre History I	3
	DRA 212	Theatre History II	3
3.	ENG 131	Introduction to Literature	3
	ENG 231	American Literature I	3
	ENG 232	American Literature II	3
	ENG 233	Major American Writers	3
	ENG 241	British Literature I	3
	ENG 242	British Literature II	3
	ENG 261	World Literature I	3
	ENG 262	World Literature II	3
4.	HUM 110	Technology and Society	3
	HUM 115	Critical Thinking	3
	HUM 120	Cultural Studies	3
	HUM 121	The Nature of America	3
	HUM 122	Southern Culture	3
	HUM 130	Myth in Human Culture	3
	HUM 150	American Women's Studies	3
	HUM 160	Introduction to Film	3
	HUM 161	Advanced Film Studies	3
	HUM 220	Human Values and Meaning	3
5.	MUS 110	Music Appreciation	3
	MUS 112	Introduction to Jazz	3
	MUS 113	American Music	3
	MUS 114	Non-Western Music	3
	MUS 210	History of Rock Music	3
	MUS 211	History of Country Music	3
	MUS 212	American Musical Theatre	3
6.	PHI 210	History of Philosophy	3
	PHI 215	Philosophical Issues	3
	PHI 220	Western Philosophy I	3
	PHI 221	Western Philosophy II	3
	PHI 230	Introduction to Logic	3
	PHI 240	Introduction to Ethics	3
7.	REL 110	World Religions	3
	REL 111	Eastern Religions	3
	REL 112	Western Religions	3
	REL 211	Intro to Old Testament	3
	REL 212	Intro to New Testament	3
	REL 221	Religion in America	3

Social/Behavioral Sciences ....12 SHC

Select four courses from at least three of the following areas: anthropology, economics, history, political science, psychology, and sociology. The following courses are required: one history course and PSY 150. SOC 210 or ECO 251 and ECO 252 are recommended.

1.	ANT 210	General Anthropology	3
	ANT 220	Cultural Anthropology	3
2.	ECO 251	Prin of Microeconomics	3
	ECO 252	Prin of Macroeconomics	3
3.	HIS 115	Intro to Global History	3
	HIS 121	Western Civilization I	3
	HIS 122	Western Civilization II	3
	HIS 131	American History I	3
	HIS 132	American History II	3
4.	POL 110	Intro to Political Science	3
	POL 120	American Government	3
	POL 210	Comparative Government	3
	POL 220	International Relations	3
5.	PSY 150	General Psychology	3
	PSY 241	Developmental Psychology	3
	PSY 281	Abnormal Psychology	3
6.	SOC 210	Introduction to Sociology	3
	SOC 213	Sociology of the Family	3
	SOC 220	Social Problems	3
	SOC 230	Race and Ethnic Relations	3
	SOC 240	Social Psychology	3

Natural Sciences/Mathematics...............................14 SHC

Natural Sciences .... 8 SHC

Select two courses, including accompanying laboratory work, from the biological and/or physical science disciplines.
Reminder: BIO 140, CHM 131 and PHY 110 have mandatory labs.

1.	BIO 110	Principles of Biology	4
	BIO 111	General Biology I	4
	BIO 112	General Biology II	4
	BIO 130	Introductory Zoology	4

	BIO 140	Environmental Biology	3
	BIO 140A	Environmental Biology Lab	1

2.	CHM 131	Intro to Chemistry	3
	CHM 131A	Intro to Chemistry Lab	1
	CHM 151	General Chemistry I	4
	CHM 152	General Chemistry II	4

3.	GEL 113	Historical Geology	4
	GEL 120	Physical Geology	4

4.	PHY 110	Conceptual Physics	3
	PHY 110A	Conceptual Physics Lab	1
	PHY 151	College Physics I	4
	PHY 152	College Physics II	4

Math. .... 6 SHC
Two courses are required. Select one course or two courses from List I below or select the second course from List II below. CIS 110 is recommended as the second math. Reminder: Students may not take any of these combinations: MAT 171/175 or MAT 172/175.

The following courses have mandatory labs: MAT 155, 171, 172, 175, and 263. These labs are electives and are listed in the "Other Required Hours" section of this program.

List I

MAT 171	Precalculus Algebra	3
MAT 172	Precalculus Trigonometry	3
MAT 175	Precalculus	4
MAT 263	Brief Calculus	3
MAT 271	Calculus I	4
MAT 272	Calculus II	4
MAT 273	Calculus III	4

List II

CIS 110	Introduction to Computers	3
MAT 155	Statistical Analysis	3

Total General Education Core ....44 SHC

OTHER REQUIRED HOURS ....(20-21 SHC)
Only 64 hours are guaranteed to transfer under the Comprehensive Articulation Agreement.

The following are required: COM 150 and COM 231.

Other required hours should be selected from the remaining general education courses and/or the electives listed below. The following are recommended: JOU 110, JOU 217, PED 110, and a foreign language. Reminder: Each elementary foreign language course has a mandatory lab.

ACA 122	College Transfer Success	1
ART 121	Design I	3
ART 122	Design II	3
ART 131	Drawing I	3
ART 132	Drawing II	3
ART 171	Computer Art I	3
ART 261	Photography I	3
ART 262	Photography II	3
ART 264	Digital Photography I	3
ART 265	Digital Photography II	3
ART 266	Videography I	3
ART 267	Videography II	3
ART 271	Computer Art II	3
BUS 115	Business Law I	3
CIS 110	Introduction to Computers	3
CIS 115	Intro to Programming and Logic	3
COE 111	Co-op Work Experience I	1
COM 111	Voice and Diction I	3
COM 140	Intro to Intercultural Communication	3
COM 150	Intro to Mass Communication	3
COM 231	Public Speaking	3
COM 232	Election Rhetoric	3
COM 233	Persuasive Speaking	3
COM 250	Public Communication	3
COM 251	Debate I	3
COM 252	Debate II	3
EDU 216	Foundations of Education	4
FRE 111	Elementary French I	3
FRE 112	Elementary French II	3
FRE 181	Elementary French Lab1	1
FRE 182	Elementary French Lab 2	1
FRE 211	Intermediate French I	3
FRE 212	Intermediate French II	3
GER 111	Elementary German I	3
GER 112	Elementary German II	3
GER 181	Elementary German Lab 1	1
GER 182	Elementary German Lab 2	1
GER 211	Intermediate German I	3
GER 212	Intermediate German II	3
HUM 170	The Holocaust	3
HUM 230	Leadership Development	3
JOU 110	Intro to Journalism	3
JOU 217	Feature/Editorial Writing	3
MAT 155	Statistical Analysis	3
MAT 155A	Statistical Analysis Lab	1
MAT 171A	Precalculus Algebra Lab	1
MAT 172A	Precalculus Trig Lab	1
MAT 175A	Precalculus Lab	1
MAT 263A	Brief Calculus Lab	1
PED 110	Fit and Well for Life	2
PED 113	Aerobics I	1
PED 117	Weight Training I	1
PED 120	Walking for Fitness	1
PED 124	Run, Swim, Cycle	1
PED 125	Self-Defense--Beginning	1
PED 128	Golf-Beginning	1
PED 130	Tennis-Beginning	1
PED 132	Racquetball - Beginning	1
PED 143	Volleyball-Beginning	1
PED 145	Basketball-Beginning	1
PED 147	Soccer	1
PED 148	Softball	1
PED 149	Flag Football	1
PED 154	Swimming for Fitness	1

PED 170	Backpacking	1
PED 210	Team Sports	1
PED 211	New Games	1
PED 216	Indoor Cycling	1
PED 219	Disc Golf	1
SPA 111	Elementary Spanish I	3
SPA 112	Elementary Spanish II	3
SPA 181	Elementary Spanish Lab 1	1
SPA 182	Elementary Spanish Lab 2	1
SPA 211	Intermediate Spanish I	3
SPA 212	Intermediate Spanish II	3

Total Semester Hours of Other Required Hours...... 20-21

Total Requirement in Semester Hours...................... 64-65

Students must meet the receiving university's foreign language and/or health and physical education (PE) requirements, if applicable, prior to or after transfer to the senior institution.

Recommended Courses: HUM 160, JOU 110, JOU 217, PED 110, and a foreign language.

Middle Grades Education

A.A. DEGREE (A1011A)

It is the responsibility of the student to know and to comply with the prerequisites and the corequisites listed in this catalog. If students have previous college credits from other institutions, students are advised to check first with a counselor at the receiving institution (the institution in which they plan to attend upon leaving CFCC). A counselor at the receiving institution should advise students of the courses to take at CFCC if the students have credits from other institutions. Otherwise, students will be encouraged to 1) complete their associate degree, which consists of 64-65 semester hours, or, the general education core, which consists of 44 semester hours; 2) contact their CFCC advisor, register early, and pay their tuition on time; and 3) earn a grade of "C"or higher on the first attempt. While some UNC institutions accept students with a 2.0 grade-point average, other UNC institutions require at least a 2.5 grade-point average. Students must always comply with the admission requirements of the receiving institution.

Important Websites

a. The following website provides more CFCC college transfer and advising information: http://cfcc.edu/transfer/.

b. The following website lists the academic programs offered at the sixteen (16) UNC institutions: http://www.northcarolina.edu/programs/index.php.

c. The following website lists the academic programs offered at the private independent senior institutions in North Carolina: http://www.northcarolina.edu/content.php/assessment/reports/publications/api.htm

d. Students who need assistance in deciding their major may visit CFCC's Career and Testing Services or visit the website about academic majors from their institution of choice. Examples: http://www.uncwil.edu/stuaff/career/Majors or https://www1.cfnc.org/Plan/For_A_Career/_default.aspx.

The *Middle Grades Education pre-major* is designed for students who plan to pursue a Bachelor of Arts Degree in Middle Grades Education. Students who successfully complete this program and who meet admissions requirements at the receiving institution, will be eligible to transfer to UNC institutions and some private senior institutions in North Carolina as juniors.

Application to a University

Admission application deadlines vary; students must meet the deadline for the university to which they plan to transfer. Upon successful completion of the associate degree, students who meet the requirements outlined in this pre-major articulation agreement will be eligible to be considered for admission as juniors to the universities offering the baccalaureate degree. Students are encouraged to contact the senior institution to confirm degree offerings.

Admission to the Major

Grade-point average requirements vary and admission is competitive across the several programs in Middle Grades Education. Minimum statewide requirements are:

1. Minimum 2.5 grade-point average on a 4.0 scale.
2. Satisfactory passing scores as established by the State Board of Education on PRAXIS PPST-Reading; PPST-Writing; and PPST-Math.

Receiving institutions may have additional requirements, prerequisites, and/or proficiencies. Since these vary at receiving institutions, Students should review the admission to teacher education requirements for the institutions they anticipate attending.

Semester Hours Credit

GENERAL EDUCATION CORE ....44 SHC

English Composition..6 SHC

ENG 111	Expository Writing	3
	and	
ENG 112	Argument-Based Research	3
	or	
ENG 113	Literature-Based Research	3
	or	
ENG 114	Prof Research & Reporting	3

Humanities/Fine Arts...12 SHC

Select one literature course from the following:

ENG 131	Introduction to Literature	3
ENG 231	American Literature I	3
ENG 232	American Literature II	3
ENG 233	Major American Writers	3

The following course is required to substitute for 3 SHC of Humanities/Fine Arts:

COM 231	Public Speaking	3

One of the following courses is required:

ART 111	Art Appreciation	3
ART 114	Art History Survey I	3
ART 115	Art History Survey II	3
MUS 110	Music Appreciation	3

One additional course from the following is required: interdisciplinary humanities, literature, philosophy, and religio

1	ENG 241	British Literature I	3
	ENG 242	British Literature II	3
	ENG 261	World Literature I	3
	ENG 262	World Literature II	3
2.	HUM 110	Technology and Society	3
	HUM 115	Critical Thinking	3
	HUM 120	Cultural Studies	3
	HUM 121	The Nature of America	3
	HUM 122	Southern Culture	3
	HUM 130	Myth in Human Culture	3
	HUM 150	American Women's Studies	3
	HUM 160	Introduction to Film	3
	HUM 161	Advanced Film Studies	3
	HUM 220	Human Values and Meaning	3
3.	PHI 210	History of Philosophy	3
	PHI 215	Philosophical Issues	3
	PHI 220	Western Philosophy I	3
	PHI 221	Western Philosophy II	3
	PHI 230	Introduction to Logic	3
	PHI 240	Introduction to Ethics	3
4.	REL 110	World Religions	3
	REL 111	Eastern Religions	3
	REL 112	Western Religions	3
	REL 211	Intro to Old Testament	3
	REL 212	Intro to New Testament	3
	REL 221	Religion in America	3

Social/Behavioral Sciences ....12 SHC

Select four courses from at least three of the following areas: anthropology, economics, history, political science, psychology, and sociology. HIS 115, 121, or 122 is required. PSY 150 and SOC 210 are required.

1.	ANT 210	General Anthropology	3
	ANT 220	Cultural Anthropology	3
2.	ECO 151	Survey of Economics	3
	ECO 251	Prin of Microeconomics	3
	ECO 252	Prin of Macroeconomics	3
3.	HIS 115	Intro to Global History	3
	HIS 121	Western Civilization I	3
	HIS 122	Western Civilization II	3
4.	POL 110	Intro to Political Science	3
	POL 120	American Government	3
	POL 210	Comparative Government	3
	POL 220	International Relations	3
5.	PSY 150	General Psychology	3
	PSY 241	Developmental Psych	3
	PSY 281	Abnormal Psychology	3
6.	SOC 210	Introduction to Sociology	3
	SOC 213	Sociology of the Family	3
	SOC 220	Social Problems	3
	SOC 230	Race and Ethnic Relations	3
	SOC 240	Social Psychology	3

Natural Sciences/Mathematics................................14 SHC

Natural Sciences .... 8 SHC

One of the following courses is required (4 SHC):

BIO 110	Principles of Biology	4
	or	
BIO 111	General Biology I	4

Select one of the following (4 SHC):

CHM 131	Intro to Chemistry	3
	and	
CHM 131A	Intro to Chemistry Lab	1
	or	
CHM 151	General Chemistry I	4
	or	
PHY 110	Conceptual Physics	3
	and	
PHY 110A	Conceptual Physics Lab	1
	or	
PHY 151	College Physics I	4

Math .... 6 SHC

The following math courses require labs, which are listed in the "Other Required Hours" category: MAT 141, MAT 171, and MAT 175. Note: For students choosing mathematics as one of the concentrations, MAT 171 or a higher math is needed. CIS 110 is required.

Choose one:

MAT 141	Mathematical Concepts I	3
MAT 171	Precalculus Algebra	3
MAT 175	Precalculus	4

Choose one:

CIS 110	Introduction to Computers	3

Total General Education Core ....44 SHC

OTHER REQUIRED HOURS ....(20-21 SHC)
One semester hour of credit may be included in a sixty-five semester hour credit associate in arts program. The transfer of the 65th hour is not guaranteed.

- At certain UNC institutions, EDU 216 and EDU 221 (not offered at CFCC) may fulfill major requirements; at a majority of institutions the courses will transfer as free electives. Students should check with the intended university for the local transfer policy regarding EDU 216 and EDU 221. EDU 216 is a requirement at CFCC.
- It is recommended that within the 20 semester hours of "Other Required Hours" pre-education students in Middle Grades Education select courses that will help meet two of the four corollary studies areas (Mathematics, Social Studies, Science, and Language Arts) in order to be consistent with North Carolina licensure areas. These courses should be selected in conjunction with the requirements at each university, since available academic concentrations and their specific requirements differ on each campus. Some senior institutions require that the two areas be Science and Mathematics or Social Studies and Language Arts. Other institutions allow the student to choose any two of the four areas.
- It is recommended that the pre-major Middle Grades Education students not choose additional courses in Arts, Communications, Foreign Languages, Music, or Physical Education. However, CFCC students have been given the option of taking a foreign language course and/or a physical education course since these courses are graduation requirements at many senior institutions. Students should check with the respective UNC counselor for guidance.

Reminder: All elementary foreign languages have mandatory labs.

Recommended Courses for Typical Academic Concentrations

Language Arts
Up to 12 SHC from the following:

ENG 231	American Literature I	3
ENG 232	American Literature II	3
ENG 241	British Literature I	3
ENG 242	British Literature II	3
ENG 261	World Literature I	3
ENG 262	World Literature II	3
ENG 272	Southern Literature	3
ENG 273	African-American Literature	3
ENG 274	Literature by Women	3

Mathematics
Up to twelve (12) hours from the following (Reminder: Students cannot receive credit for MAT 172 and MAT 175):

MAT 155	Statistical Analysis	3
	and	
MAT 155A	Statistical Analysis Lab	1
MAT 172	Precalculus Trig	3
	and	
MAT 172A	Precalculus Trig. Lab	1
	or	
MAT 175	Precalculus	3
	and	
MAT 175A	Precalculus Lab	1
MAT 271	Calculus	4
MAT 272	Calculus II	4

Science
Up to 12 SHC from the following:

BIO 110	Principles of Biology	4
	or	
BIO 111	General Biology I	4
	and	
BIO 112	General Biology II	4
BIO 140	Environmental. Biology	3
	and	
BIO 140A	Environmental Biology Lab	1
CHM 131	Introduction to Chemistry	3
	and	
CHM 131A	Intro to Chemistry Lab	1
CHM 151	General Chemistry I	4
CHM 152	General Chemistry II	4
PHY 151	College Physics I	4
PHY 152	College Physics II	4

Social Studies
Up to 12 SHC from the following:

ECO 151	Survey of Economics	3
	or	
ECO 251	Prin of Microeconomics	3
HIS 121	Western Civilization I	3
	and	
HIS 122	Western Civilization II	3
HIS 131	American History I	3
	and	
HIS 132	American History II	3
POL 110	Intro to Political Science	3
POL 120	American Government	3
POL 210	Comparative Government	3
POL 220	International Relations	3
PSY 241	Developmental Psych	3
PSY 263	Educational Psychology	3
PSY 281	Abnormal Psychology	3
SOC 210	Introduction to Sociology	3
SOC 213	Sociology of the Family	3
SOC 220	Social Problems	3
SOC 230	Race and Ethnic Relations	3

Before selecting the courses below, students should consult with a counselor at the receiving institution. (Reminder: EDU 216 is a requirement).

ACA 122	College Transfer Success	1
COE 111	Co-op Work Experience	1
EDU 216	Foundations of Education	4
FRE 111	Elementary French I	3
FRE 112	Elementary French II	3
FRE 181	Elementary French Lab1	1
FRE 182	Elementary French Lab 2	1
FRE 211	Intermediate French I	3
FRE 212	Intermediate French II	3
GER 111	Elementary German I	3
GER 112	Elementary German II	3
GER 181	Elementary German Lab 1	1
GER 182	Elementary German Lab 2	1
GER 211	Intermediate German I	3
GER 212	Intermediate German II	3
MAT 141A	Mathematical Concepts I Lab	1
MAT 142	Mathematical Concepts II	3
MAT 142A	Mathematical Concepts II Lab	1
MAT 171A	Precalculus Algebra Lab	1
PED 110	Fit and Well for Life	2
PED 113	Aerobics I	1
PED 117	Weight Training I	1
PED 120	Walking for Fitness	1
PED 124	Run, Swim, Cycle	1
PED 125	Self-Defense-Beginning	1
PED 128	Golf-beginning	1
PED 130	Tennis-Beginning	1
PED 132	Racquetball - Beginning	1
PED 143	Volleyball-Beginning	1
PED 147	Soccer	1
PED 148	Softball	1
PED 149	Flag Football	1
PED 154	Swimming for Fitness	1
PED 170	Backpacking	1
PED 210	Team Sports	1
PED 211	New Games	1
PED 216	Indoor Cycling	1
PED 219	Disc Golf	1
SPA 111	Elementary Spanish I	3
SPA 112	Elementary Spanish II	3
SPA 181	Elementary Spanish Lab 1	1
SPA 182	Elementary Spanish Lab 2	1
SPA 211	Intermediate Spanish I	3
SPA 212	Intermediate Spanish II	3

Total Semester Hours of Other Required Hours...... 20-21

Total Requirement in Semester Hours..................... 64-65

Students must meet the receiving university's foreign language and/or health and physical education requirements, if applicable, prior to or after transfer.

Nursing

A.A. DEGREE (A1010I)

(For students transferring to a four-year institution.)

It is the responsibility of the student to know and to comply with the prerequisites and the corequisites listed in this catalog. If students have previous college credits from other institutions, students are advised to check first with a counselor at the receiving institution (the institution in which they plan to attend upon leaving CFCC). A counselor at the receiving institution should advise students of the courses to take at CFCC if the students have credits from other institutions. If students elect not to obtain an associate degree and receive the maximum benefit from the statewide Comprehensive Articulation Agreement, they are encouraged to 1) complete the general education core, which consists of a minimum of 44 semester hours; 2) contact their CFCC advisor, register early, and pay their tuition on time; and 3) earn a grade of "C"or higher on the first attempt. While some institutions accept students with a 2.0 grade-point average, other institutions require at least a 2.5 grade-point average. Students must always comply with the new admission requirements.

Important Websites

a. The following website provides more CFCC college transfer and advising information: http://cfcc.edu/transfer/.
b. The following website lists the academic programs offered at the sixteen (16) UNC institutions: http://www.northcarolina.edu/programs/index.php.
c. The following website lists the academic programs offered at the private independent senior institutions in North Carolina: http://www.northcarolina.edu/content.php/assessment/reports/publications/api.htm
d. Students who need assistance in deciding their major may visit CFCC's Career and Testing Services or visit the website about academic majors from their institution of choice. Examples: http://www.uncwil.edu/stuaff/career/Majors orhttps://www1.cfnc.org/Plan/For_A_Career/_default.aspx.

Admission across the several programs in Nursing is competitive. Other professional admission requirements may be designated by individual programs. Grade-point average requirements vary across the programs.

Semester Hours Credit

GENERAL EDUCATION CORE ....44 SHC

English Composition..6 SHC

ENG 111	Expository Writing	3
	and	
ENG 112	Argument-Based Research	3
	or	
ENG 113	Literature-Based Research	3
	or	
ENG 114	Professional Research and Reporting	3

Humanities/Fine Arts..9 SHC

Select three courses from at least two of the following areas: art, drama, foreign languages, interdisciplinary humanities, literature, music, philosophy, and religion. One course must be a literature course. Reminder: Each elementary foreign language course has a mandatory lab, which is listed in the "Other Required Hours" section of this program.

1.	ART 111	Art Appreciation	3
	ART 114	Art History Survey I	3
	ART 115	Art History Survey II	3
	ART 116	Survey of American Art	3
	ART 117	Non-Western Art History	3
2.	DRA 111	Theatre Appreciation	3
	DRA 122	Oral Interpretation	3
	DRA 126	Storytelling	3
	DRA 211	Theatre History I	3
	DRA 212	Theatre History II	3
3.	ENG 131	Introduction to Literature	3
	ENG 231	American Literature I	3
	ENG 232	American Literature II	3
	ENG 233	Major American Writers	3
	ENG 241	British Literature I	3
	ENG 242	British Literature II	3
	ENG 261	World Literature I	3
	ENG 262	World Literature II	3
4.	FRE 111	Elementary French I	3
	FRE 112	Elementary French II	3
	FRE 211	Intermediate French I	3
	FRE 212	Intermediate French II	3
	GER 111	Elementary German I	3
	GER 112	Elementary German II	3
	GER 211	Intermediate German I	3
	GER 212	Intermediate German II	3
	SPA 111	Elementary Spanish I	3
	SPA 112	Elementary Spanish II	3
	SPA 211	Intermediate Spanish I	3
	SPA 212	Intermediate Spanish II	3
5.	HUM 110	Technology and Society	3
	HUM 115	Critical Thinking	3
	HUM 120	Cultural Studies	3
	HUM 121	The Nature of America	3
	HUM 122	Southern Culture	3
	HUM 130	Myth in Human Culture	3
	HUM 150	American Women's Studies	3
	HUM 160	Introduction to Film	3
	HUM 161	Advanced Film Studies	3
	HUM 220	Human Values and Meaning	3
6.	MUS 110	Music Appreciation	3
	MUS 112	Introduction to Jazz	3
	MUS 113	American Music	3
	MUS 114	Non-Western Music	3
	MUS 210	History of Rock Music	3
	MUS 211	History of Country Music	3
	MUS 212	American Musical Theatre	3
7.	PHI 210	History of Philosophy	3
	PHI 215	Philosophical Issues	3
	PHI 220	Western Philosophy I	3
	PHI 221	Western Philosophy II	3
	PHI 230	Introduction to Logic	3
	PHI 240	Introduction to Ethics	3
8.	REL 110	World Religions	3
	REL 111	Eastern Religions	3
	REL 112	Western Religions	3
	REL 211	Intro to Old Testament	3
	REL 212	Intro to New Testament	3
	REL 221	Religion in America	3

Speech/Communication...3 SHC

COM 231 is recommended.

COM 110	Intro to Communication	3
	or	
COM 120	Interpersonal Communication	3
	or	
COM 140	Intro Intercultural Com	3
	or	
COM 231	Public Speaking	33

Social/Behavioral Sciences ....12 SHC

One course must be a history course. In addition, the following courses are required: PSY 150, PSY 241, and SOC 210.

1.	HIS 115	Intro to Global History	3
	HIS 121	Western Civilization I	3
	HIS 122	Western Civilization II	3
	HIS 131	American History I	3
	HIS 132	American History II	3
2.	PSY 150	General Psychology	3
	PSY 241	Developmental Psychology	3
3.	SOC 210	Introduction to Sociology	3

Natural Sciences/Mathematics................................14 SHC

Natural Sciences .... 8 SHC

CHM 151	General Chemistry I	4
	and	
CHM 152	General Chemistry II	4

Math. .... 6 SHC

Two courses are required. Select one course from List I below. MAT 155 is the second math requirement.

The following courses have mandatory labs: 155, 171, 172, 175, and 263. These labs are listed in the elective section of this program.

List I

MAT 171	Precalculus Algebra	3
MAT 172	Precalculus Trigonometry	3
MAT 175	Precalculus	4
MAT 263	Brief Calculus	3
MAT 271	Calculus I	4
MAT 272	Calculus II	4
MAT 273	Calculus III	4

List II

MAT 155	Statistical Analysis	3

Total General Education Core ....44 SHC

OTHER REQUIRED HOURS ....(20-21 SHC)
The following courses are required (17 SHC):

BIO 168	Anatomy and Physiology I	4
BIO 169	Anatomy and Physiology II	4
BIO 175	General Microbiology	3
PSY 281	Abnormal Psychology	3
SOC 213	Sociology of the Family	3

Additional hours may be selected from any unused general education courses above and/or the courses below.

ACA 122	College Transfer Success	1
CIS 110	Introduction to Computers	3
CIS 115	Intro to Prog and Logic	3
COE 111	Co-op Work Experience	1
CTS 115	Info Sys Business Concept	3
FRE 181	Elementary French Lab1	1
FRE 182	Elementary French Lab 2	1
GER 181	Elementary German Lab 1	1
GER 182	Elementary German Lab 2	1
MAT 155A	Statistical Analysis Lab	1
MAT 171A	Precalculus Algebra Lab	1
MAT 172A	Precalculus Trig Lab	1
MAT 175A	Precalculus Lab	1
MAT 263A	Brief Calculus Lab	1
PED 110	Fit and Well for Life	2
PED 113	Aerobics I	1
PED 117	Weight Training I	1
PED 120	Walking for Fitness	1
PED 124	Run, Swim, Cycle	1
PED 125	Self-Defense--Beginning	1
PED 128	Golf-Beginning	1
PED 130	Tennis-Beginning	1
PED 132	Racquetball - Beginning	1
PED 143	Volleyball-Beginning	1
PED 145	Basketball-Beginning	1
PED 147	Soccer	1
PED 148	Softball	1
PED 149	Flag Football	1
PED 154	Swimming for Fitness	1
PED 170	Backpacking	1
PED 210	Team Sports	1
PED 211	New Games	1
PED 216	Indoor Cycling	1
PED 219	Disc Golf	1
SPA 141	Culture and Civilization	3
SPA 161	Cultural Immersion	3
SPA 181	Elementary Spanish Lab 1	1
SPA 182	Elementary Spanish Lab 2	1

Total Semester Hours of Other Required Hours...... 20-21

Total Requirement in Semester Hours...................... 64-65

Students must meet the receiving university's foreign language and/or health and physical education requirements, if applicable, prior to or after transfer to the senior institution.

Political Science

A.A. DEGREE (A1010K)

It is the responsibility of the student to know and to comply with the prerequisites and the corequisites listed in this catalog. If students have previous college credits from other institutions, students are advised to check first with a counselor at the receiving institution (the institution in which they plan to attend upon leaving CFCC). A counselor at the receiving institution should advise students of the courses to take at CFCC if the students have credits from other institutions. Otherwise, students will be encouraged to 1) complete their associate degree, which consists of 64-65 semester hours, or, the general education core, which consists of 44 semester hours; 2) contact their CFCC advisor, register early, and pay their tuition on time; and 3) earn a grade of "C"or higher on the first attempt. While some UNC institutions accept students with a 2.0 grade-point average, other UNC institutions require at least a 2.5 grade-point average. Students must always comply with the admission requirements of the receiving institution.

Important Websites

a. The following website provides more CFCC college transfer and advising information: http://cfcc.edu/transfer/.
b. The following website lists the academic programs offered at the sixteen (16) UNC institutions: http://www.northcarolina.edu/programs/index.php.
c. The following website lists the academic programs offered at the private independent senior institutions in North Carolina: http://www.northcarolina.edu/content.php/assessment/reports/publications/api.htm
d. Students who need assistance in deciding their major may visit CFCC's Career and Testing Services or visit the website about academic majors from their institution of choice. Examples: http://www.uncwil.edu/stuaff/career/Majors orhttps://www1.cfnc.org/Plan/For A Career/ default.aspx.

The *Political Science pre-major* is designed for students who plan to pursue a Bachelor of Arts Degree in Political Science. Students who successfully complete this program and who meet admissions requirements at the receiving institution, will be eligible to transfer to UNC institutions and some private senior institutions in North Carolina as juniors.

Application to a University
Admission application deadlines vary; students must meet the deadline for the university to which they plan to transfer. Upon successful completion of the associate degree, students who meet the requirements outlined in this pre-major articulation agreement will be eligible to be considered for admission as juniors to the universities offering the baccalaureate degree. Students are encouraged to contact the senior institution to confirm degree offerings.

Admission to the Major
Grade-point average requirements vary and admission is competitive across the several programs in Political Science.

Semester Hours Credit

GENERAL EDUCATION CORE ....44 SHC

English Composition..6 SHC

ENG 111	Expository Writing	3
	and	
ENG 112	Argument-Based Research	3
	or	
ENG 113	Literature-Based Research	3
	or	
ENG 114	Professional Research and Reporting	3

Humanities/Fine Arts...9 SHC
Select three courses from at least two of the following areas: art, drama, foreign languages, interdisciplinary humanities, literature, music, philosophy, and religion. One course must be a literature course.

One foreign language sequence is recommended: SPA 111 and SPA 112, or, GER 111 and GER 112, or, FRE 111 and FRE 112. Each elementary foreign language course has a mandatory lab, which is listed in "Other Required Hours" section of this catalog.

1.	ART 111	Art Appreciation	3
	ART 114	Art History Survey I	3
	ART 115	Art History Survey II	3
	ART 116	Survey of American Art	3
	ART 117	Non-Western Art History	3
2.	DRA 111	Theatre Appreciation	3
	DRA 122	Oral Interpretation	3
	DRA 126	Storytelling	3
	DRA 211	Theatre History I	3
	DRA 212	Theatre History II	3
3.	ENG 131	Introduction to Literature	3
	ENG 231	American Literature I	3
	ENG 232	American Literature II	3
	ENG 233	Major American Writers	3
	ENG 241	British Literature I	3
	ENG 242	British Literature II	3
	ENG 261	World Literature I	3
	ENG 262	World Literature II	3
4.	FRE 111	Elementary French I	3
	FRE 112	Elementary French II	3
	FRE 211	Intermediate French I	3
	FRE 212	Intermediate French II	3
	GER 111	Elementary German I	3
	GER 112	Elementary German II	3
	GER 211	Intermediate German I	3
	GER 212	Intermediate German II	3
	SPA 111	Elementary Spanish I	3
	SPA 112	Elementary Spanish II	3
	SPA 211	Intermediate Spanish I	3
	SPA 212	Intermediate Spanish II	3
5.	HUM 110	Technology and Society	3
	HUM 115	Critical Thinking	3
	HUM 120	Cultural Studies	3
	HUM 121	The Nature of America	3
	HUM 122	Southern Culture	3
	HUM 130	Myth in Human Culture	3
	HUM 150	American Women's Studies	3
	HUM 160	Introduction to Film	3
	HUM 161	Advanced Film Studies	3
	HUM 220	Human Values and Meaning	3
6.	MUS 110	Music Appreciation	3
	MUS 112	Introduction to Jazz	3
	MUS 113	American Music	3
	MUS 114	Non-Western Music	3
	MUS 210	History of Rock Music	3
	MUS 211	History of Country Music	3
	MUS 212	American Musical Theatre	3
7.	PHI 210	History of Philosophy	3
	PHI 215	Philosophical Issues	3
	PHI 220	Western Philosophy I	3
	PHI 221	Western Philosophy II	3
	PHI 230	Introduction to Logic	3
8.	REL 110	World Religions	3
	REL 111	Eastern Religions	3
	REL 112	Western Religions	3
	REL 211	Intro to Old Testament	3
	REL 212	Intro to New Testament	3
	REL 221	Religion in America	3

Speech/Communication ....3 SHC

COM 110 or COM 231 is recommended.

COM 110	Intro to Communication	3
	or	
COM 120	Interpersonal Communication	3
	or	
COM 140	Intro Intercultural Com	3
	or	
COM 231	Public Speaking	3

Social/Behavioral Sciences ....12 SHC

Select four courses from at least three of the following areas: anthropology, economics, history, political science, psychology, and sociology. HIS 121 is required. ECO 151, ECO 251, ECO 252, PSY 150, SOC 210, and SOC 220 are among the recommended courses to satisfy the additional requirements

1.	ANT 210	General Anthropology	3
	ANT 220	Cultural Anthropology	3
2.	ECO 151	Survey of Economics	3
	ECO 251	Prin of Microeconomics	3
	ECO 252	Prin of Macroeconomics	3
3.	HIS 121	Western Civilization I	3
4.	PSY 150	General Psychology	3
	PSY 241	Developmental Psychology	3
	PSY 281	Abnormal Psychology	3
5	SOC 210	Introduction to Sociology	3
	SOC 213	Sociology of the Family	3
	SOC 220	Social Problems	3
	SOC 230	Race and Ethnic Relations	3
	SOC 240	Social Psychology	3

Natural Sciences/Mathematics...............................14 SHC

Natural Sciences .... 8 SHC

Select two courses, including accompanying laboratory work, from the biological and/or physical science disciplines.
Reminder: BIO 140, CHM 131, and PHY 110 have mandatory labs.

1.	BIO 110	Principles of Biology	4
	BIO 111	General Biology I	4
	BIO 112	General Biology II	4
	BIO 130	Introductory Zoology	4
	BIO 140	Environmental Biology	3
	BIO 140A	Environmental Biology Lab	1
2.	CHM 131	Intro to Chemistry	3
	CHM 131A	Intro to Chemistry Lab	1
	CHM 151	General Chemistry I	4
	CHM 152	General Chemistry II	4
3.	GEL 113	Historical Geology	4
	GEL 120	Physical Geology	4
4.	PHY 110	Conceptual Physics	3
	PHY 110A	Conceptual Physics Lab	1
	PHY 151	College Physics I	4
	PHY 152	College Physics II	4

Math. ....6 SHC

Two courses are required. Select one or two courses from List I below or select the second course from List II below.
CIS 110 is recommended to satisfy the second math requirement.
Reminder: Students may not take any of these combinations: MAT 171/175 OR MAT 172/175.

The following courses have mandatory labs: MAT 140, 155, 171, 172, 175, and 263. These labs are electives and are listed in the "Other Required Hours" section of this program..

List I

MAT 140	Survey of Mathematics	3
MAT 171	Precalculus Algebra	3
MAT 172	Precalculus Trigonometry	3
MAT 175	Precalculus	4
MAT 263	Brief Calculus	3
MAT 271	Calculus I	4
MAT 272	Calculus II	4
MAT 273	Calculus III	4

List II

CIS 110	Introduction to Computers	3
MAT 155	Statistical Analysis	3

Total General Education Core ....44 SHC

OTHER REQUIRED HOURS ....(20-21 SHC)

The following course is required (3 SHC):

POL 120	American Government	3

Seventeen (17) hours may be selected from the remaining general education core and/or the transfer courses below. The following courses are recommended: HIS 122, HIS 131, HIS 132, POL 210 and POL 220.

ACA 122	College Transfer Success	1
ART 121	Design I	3
ART 122	Design II	3
ART 131	Drawing I	3
ART 132	Drawing II	3
ART 171	Computer Art I	3
ART 240	Painting I	3
ART 261	Photography I	3
ART 264	Digital Photography I	3
ART 265	Digital Photography II	3
ART 283	Ceramics I	3
BUS 115	Business Law I	3
CIS 115	Intro to Programming & Logic	3
CJC 111	Intro to Criminal Justice	3
CJC 121	Law Enforcement Operations	3
CJC 141	Corrections	3
COE 111	Co-op Work Experience	1

COM 251	Debate I	3
COM 252	Debate II	3
CSC 151	JAVA Programming	3
DRA 170	Play Production I	3
DRA 171	Play Production II	3
EDU 216	Foundations in Education	4
ENG 125	Creative Writing I	3
ENG 126	Creative Writing II	3
ENG 272	Southern Literature	3
ENG 273	African-American Literature	3
ENG 274	Literature by Women	3
FRE 181	Elementary French Lab1	1
FRE 182	Elementary French Lab 2	1
GER 181	Elementary German Lab 1	1
GER 182	Elementary German Lab 2	1
HIS 115	Intro to Global History	3
HIS 116	Current World Problems	3
HIS 122	Western Civilization II	3
HIS 131	American History I	3
HIS 132	American History II	3
HIS 221	African-American History	3
HIS 227	Native American History	3
HIS 228	History of the South	3
HIS 229	History of the Old South	3
HUM 170	The Holocaust	3
HUM 230	Leadership Development	3
JOU 110	Intro to Journalism	3
JOU 217	Feature/Editorial Writing	3
MAT 140A	Survey of Mathematics Lab	1
MAT 155A	Statistical Analysis Lab	1
MAT 171A	Precalculus Algebra Lab	1
MAT 172A	Precalculus Trig Lab	1
MAT 175A	Precalculus Lab	1
MAT 263A	Brief Calculus Lab	1
MAT 271	Calculus I	4
MAT 272	Calculus II	4
MAT 273	Calculus III	4
MUS 131	Chorus I	1
MUS 132	Chorus II	1
MUS 151	Class Music I	1
MUS 152	Class Music II	1
PED 110	Fit and Well for Life	2
PED 113	Aerobics I	1
PED 117	Weight Training I	1
PED 120	Walking for Fitness	1
PED 124	Run, Swim, Cycle	1
PED 125	Self-Defense--Beginning	1
PED 128	Golf-Beginning	1
PED 130	Tennis-Beginning	1
PED 132	Racquetball - Beginning	1
PED 143	Volleyball-Beginning	1
PED 145	Basketball-Beginning	1
PED 147	Soccer	1
PED 148	Softball	1
PED 149	Flag Football	1
PED 154	Swimming for Fitness	1
PED 170	Backpacking	1
PED 210	Team Sports	1
PED 211	New Games	1

PED 216	Indoor Cycling	1
PED 219	Disc Golf	1
POL 110	Intro to Political Science	3
POL 210	Comparative Government	3
POL 220	International Relations	3
PSY 211	Psychology of Adjustment	3
PSY 259	Human Sexuality	3
PSY 263	Educational Psychology	3
SOC 232	Social Context of Aging	3
SOC 234	Sociology of Gender	3
SOC 242	Sociology of Deviance	3
SPA 141	Culture and Civilization	3
SPA 161	Cultural Immersion	3
SPA 181	Elementary Spanish Lab 1	1
SPA 182	Elementary Spanish Lab 2	1
SPA 221	Spanish Conversation	3
SPA 231	Reading and Composition	3

Total Semester Hours of Other Required Hours...... 20-21

Total Requirement in Semester Hours..................... 64-65

Students must meet the receiving university's foreign language and/or health and physical education requirements, if applicable, prior to or after transfer to the senior institution.

Recommended Courses: FRE 111 and FRE 112, or, SPA 111 and SPA 112; COM 110 or COM 231; CIS 110; HIS 122, HIS 131, and HIS 132; POL 210 and POL 220.

Other Recommended Courses (three courses from two discipline areas):
a. ECO 151, 251, or 252
b. PSY 150
c. SOC 210 or 220

Psychology

A.A. DEGREE (A1010L)

It is the responsibility of the student to know and to comply with the prerequisites and the corequisites listed in this catalog. If students have previous college credits from other institutions, students are advised to check first with a counselor at the receiving institution (the institution in which they plan to attend upon leaving CFCC). A counselor at the receiving institution should advise students of the courses to take at CFCC if the students have credits from other institutions. Otherwise, students will be encouraged to 1) complete their associate degree, which consists of 64-65 semester hours, or, the general education core, which consists of 44 semester hours; 2) contact their CFCC advisor, register early, and pay their tuition on time; and 3) earn a grade of “C”or higher on the first attempt. While some UNC institutions accept students with a 2.0 grade-point average, other UNC institutions require at least a 2.5 grade-point average. Students must always comply with the admission requirements of the receiving institution.

Important Websites

a. The following website provides more CFCC college transfer and advising information: http://cfcc.edu/transfer/.
b. The following website lists the academic programs offered at the sixteen (16) UNC institutions: http://www.northcarolina.edu/programs/index.php.
c. The following website lists the academic programs offered at the private independent senior institutions in North Carolina: http://www.northcarolina.edu/content.php/assessment/reports/publications/api.htm
d. Students who need assistance in deciding their major may visit CFCC’s Career and Testing Services or visit the website about academic majors from their institution of choice. Examples: http://www.uncwil.edu/stuaff/career/Majors orhttps://www1.cfnc.org/Plan/For_A_Career/_default.aspx.

The *Psychology pre-major* is designed for students who plan to pursue a Bachelor of Arts Degree in Psychology. Students who successfully complete this program and who meet admissions requirements at the receiving institution, will be eligible to transfer to UNC institutions and some private senior institutions in North Carolina as juniors.

Application to a University

Admission application deadlines vary; students must meet the deadline for the university to which they plan to transfer. Upon successful completion of the associate degree, students who meet the requirements outlined in this pre-major articulation agreement will be eligible to be considered for admission as juniors to the universities offering the baccalaureate degree. Students are encouraged to contact the senior institution to confirm degree offerings.

Admission to the Major

Grade-point average requirements vary and admission is competitive across the several programs in Psychology.

Semester Hours Credit

GENERAL EDUCATION CORE ....44 SHC

English Composition..6 SHC

ENG 111	Expository Writing	3
	and	
ENG 112	Argument-Based Research	3
	or	
ENG 113	Literature-Based Research	3
	or	
ENG 114	Professional Research and Reporting	3

Humanities/Fine Arts...9 SHC

Select three courses from at least two of the following areas: art, drama, foreign languages, interdisciplinary humanities, literature, music, philosophy, and religion. One course must be a literature course. One foreign language is recommended. Each elementary foreign language course has a mandatory lab, which is listed in “Other Required Hours.”

1.	ART 111	Art Appreciation	3
	ART 114	Art History Survey I	3
	ART 115	Art History Survey II	3
	ART 116	Survey of American Art	3
	ART 117	Non-Western Art History	3
2.	DRA 111	Theatre Appreciation	3
	DRA 122	Oral Interpretation	3
	DRA 126	Storytelling	3
	DRA 211	Theatre History I	3
	DRA 212	Theatre History II	3
3.	ENG 131	Introduction to Literature	3
	ENG 231	American Literature I	3
	ENG 232	American Literature II	3
	ENG 233	Major American Writers	3
	ENG 241	British Literature I	3
	ENG 242	British Literature II	3
	ENG 261	World Literature I	3
	ENG 262	World Literature II	3
4.	FRE 111	Elementary French I	3
	FRE 112	Elementary French II	3
	FRE 211	Intermediate French I	3
	FRE 212	Intermediate French II	3
	GER 111	Elementary German I	3
	GER 112	Elementary German II	3
	GER 211	Intermediate German I	3
	GER 212	Intermediate German II	3
	SPA 111	Elementary Spanish I	3
	SPA 112	Elementary Spanish II	3
	SPA 211	Intermediate Spanish I	3
	SPA 212	Intermediate Spanish II	3
5.	HUM 110	Technology and Society	3
	HUM 115	Critical Thinking	3
	HUM 120	Cultural Studies	3
	HUM 121	The Nature of America	3

	HUM 122	Southern Culture	3
	HUM 130	Myth in Human Culture	3
	HUM 150	American Women's Studies	3
	HUM 160	Introduction to Film	3
	HUM 161	Advanced Film Studies	3
	HUM 220	Human Values and Meaning	3
6.	MUS 110	Music Appreciation	3
	MUS 112	Introduction to Jazz	3
	MUS 113	American Music	3
	MUS 114	Non-Western Music	3
	MUS 210	History of Rock Music	3
	MUS 211	History of Country Music	3
	MUS 212	American Musical Theatre	3
7.	PHI 210	History of Philosophy	3
	PHI 215	Philosophical Issues	3
	PHI 220	Western Philosophy I	3
	PHI 221	Western Philosophy II	3
	PHI 230	Introduction to Logic	3
	PHI 240	Introduction to Ethics	3
8.	REL 110	World Religions	3
	REL 111	Eastern Religions	3
	REL 112	Western Religions	3
	REL 211	Intro to Old Testament	3
	REL 212	Intro to New Testament	3
	REL 221	Religion in America	3

Speech/Communication............3 SHC

COM 231 is recommended.

COM 110	Intro to Communication	3
	or	
COM 120	Interpersonal Communication	3
	or	
COM 140	Intro Intercultural Com	3
	or	
COM 231	Public Speaking	3

Social/Behavioral Sciences............12 SHC

Select four courses from at least three of the following areas: anthropology, economics, history, political science, psychology, and sociology. One course must be a history course. PSY 150 and PSY 241 are required.

1.	ANT 210	General Anthropology	3
	ANT 220	Cultural Anthropology	3
2.	ECO 151	Survey of Economics	3
	ECO 251	Prin of Microeconomics	3
	ECO 252	Prin of Macroeconomics	3
3.	HIS 115	Intro to Global History	3
	HIS 121	Western Civilization I	3
	HIS 122	Western Civilization II	3
	HIS 131	American History I	3
	HIS 132	American History II	3
4.	POL 110	Intro to Political Science	3
	POL 120	American Government	3
	POL 210	Comparative Government	3
	POL 220	International Relations	3
5.	PSY 150	General Psychology	3
	PSY 241	Developmental Psychology	3
6.	SOC 210	Introduction to Sociology	3
	SOC 213	Sociology of the Family	3
	SOC 220	Social Problems	3
	SOC 230	Race and Ethnic Relations	3
	SOC 240	Social Psychology	3

Natural Sciences/Mathematics............14 SHC

Natural Sciences............8 SHC

Select two courses, including accompanying laboratory work, from the biological and/or physical science disciplines. BIO 110 or 111 is required. Reminder: BIO 140, CHM 131 and PHY 110 have mandatory labs..

1.	BIO 110	Principles of Biology	4
	BIO 111	General Biology I	4
	BIO 112	General Biology II	4
	BIO 130	Introductory Zoology	4
	BIO 140	Environmental Biology	3
	BIO 140A	Environmental Biology Lab	1
2.	CHM 131	Intro to Chemistry	3
	CHM 131A	Intro to Chemistry Lab	1
	CHM 151	General Chemistry I	4
	CHM 152	General Chemistry II	4
3.	GEL 113	Historical Geology	4
	GEL 120	Physical Geology	4
4.	PHY 110	Conceptual Physics	3
	PHY 110A	Conceptual Physics Lab	1
	PHY 151	College Physics I	4
	PHY 152	College Physics II	4

Math............6 SHC

Two courses are required. Select one or two courses from List I below or select the second course from List II below. Reminder: Students may not take any of these combinations: MAT 171/175 OR MAT 172/175.

The following courses have mandatory labs: MAT 155, 171, 172, 175, and 263. These labs are electives and are listed in the "Other Required Hours" section of this program.

List I

MAT 171	Precalculus Algebra	3
MAT 172	Precalculus Trigonometry	3
MAT 175	Precalculus	4
MAT 263	Brief Calculus	3
MAT 271	Calculus I	4
MAT 272	Calculus II	4
MAT 273	Calculus III	4

List II

CIS 110	Introduction to Computers	3
MAT 155	Statistics Analysis	3

OTHER REQUIRED HOURS (20-21 SHC)

Other required hours should be selected from the pre-major articulation agreements, the remaining general education courses and/or the electives listed below. PED 110 is recommended.

ACA 122	College Transfer Success	1
ART 121	Design I	3
ART 122	Design II	3
ART 131	Drawing I	3
ART 132	Drawing II	3
ART 171	Computer Art I	3
ART 240	Painting I	3
ART 241	Painting II	3
ART 261	Photography I	3
ART 262	Photography II	3
ART 264	Digital Photography I	3
ART 265	Digital Photography II	3
ART 271	Computer Art II	3
ART 283	Ceramics I	3
ART 284	Ceramics II	3
BUS 115	Business Law I	3
CIS 115	Intro to Programming and Logic	3
CJC 111	Intro to Criminal Justice	3
CJC 121	Law Enforcement Operations	3
CJC 141	Corrections	3
CSC 151	JAVA Programming	3
COE 111	Co-op Work Experience	1
COM 251	Debate I	3
COM 252	Debate II	3
DRA 170	Play Production I	3
DRA 171	Play Production II	3
EDU 216	Foundations in Education	4
ENG 125	Creative Writing I	3
ENG 126	Creative Writing II	3
ENG 272	Southern Literature	3
ENG 273	African-American Literature	3
ENG 274	Literature by Women	3
FRE 181	Elementary French Lab 1	1
FRE 182	Elementary French Lab 2	1
GER 181	Elementary German Lab 1	1
GER 182	Elementary German Lab 2	1
HIS 116	Current World Problems	3
HIS 221	African-American History	3
HIS 227	Native American History	3
HIS 228	History of the South	3
HIS 229	History of the Old South	3
HUM 170	The Holocaust	3
HUM 230	Leadership Development	3
JOU 110	Intro to Journalism	3
JOU 217	Feature/Editorial Writing	3
MAT 155A	Statistics Analysis Lab	1
MAT 171A	Precalculus Algebra Lab	1
MAT 172A	Precalculus Trig Lab	1
MAT 175A	Precalculus Lab	1
MAT 263A	Brief Calculus Lab	1
PED 110	Fit and Well for Life	2
PED 113	Aerobics I	1
PED 117	Weight Training I	1
PED 120	Walking for Fitness	1
PED 124	Run, Swim, Cycle	1
PED 125	Self-Defense--Beginning	1
PED 128	Golf-Beginning	1
PED 130	Tennis-Beginning	1
PED 132	Racquetball - Beginning	1
PED 143	Volleyball-Beginning	1
PED 145	Basketball-Beginning	1
PED 147	Soccer	1
PED 148	Softball	1
PED 149	Flag Football	1
PED 154	Swimming for Fitness	1
PED 170	Backpacking	1
PED 210	Team Sports	1
PED 211	New Games	1
PED 216	Indoor Cycling	1
PED 219	Disc Golf	1
PSY 211	Psychology of Adjustment	3
PSY 259	Human Sexuality	3
PSY 263	Educational Psychology	3
PSY 281	Abnormal Psychology	3
SOC 232	Social Context of Aging	3
SOC 234	Sociology of Gender	3
SOC 242	Sociology of Deviance	3
SPA 141	Culture and Civilization	3
SPA 161	Cultural Immersion	3
SPA 181	Elementary Spanish Lab 1	1
SPA 182	Elementary Spanish Lab 2	1
SPA 221	Spanish Conversation	3
SPA 231	Reading and Composition	3

Total Semester Hours of Other Required Hours...... 20-21

Total Requirement in Semester Hours..................... 64-65

Students must meet the receiving university's foreign language and/or health and physical education requirements, if applicable, prior to or after transfer to the senior institution.

Recommended Courses: One foreign language; COM 231; MAT 171/171A; MAT 155/155A; and PED 110.

Social Work

A.A. DEGREE (A1010Q)

It is the responsibility of the student to know and to comply with the prerequisites and the corequisites listed in this catalog. If students have previous college credits from other institutions, students are advised to first check with a counselor at the receiving institution (the institution in which they plan to attend upon leaving CFCC). A counselor at the receiving institution should advise students of the courses to take at CFCC if the students have credits from other institutions. Otherwise, students will be encouraged to 1) complete their associate degree, which consists of 64-65 semester hours, or, the general education core, which consists of 44 semester hours; 2) contact their CFCC advisor, register early, and pay their tuition on time; and 3) earn a grade of "C"or higher on the first attempt. While some UNC institutions accept students with a 2.0 grade-point average, other UNC institutions require at least a 2.5 grade-point average. Students must always comply with the admission requirements of the receiving institution.

Important Websites

a. The following website provides more CFCC college transfer and advising information: http://cfcc.edu/transfer/.
b. The following website lists the academic programs offered at the sixteen (16) UNC institutions: http://www.northcarolina.edu/programs/index.php.
c. The following website lists the academic programs offered at the private independent senior institutions in North Carolina: http://www.northcarolina.edu/content.php/assessment/reports/publications/api.htm
d. Students who need assistance in deciding their major may visit CFCC's Career and Testing Services or visit the website about academic majors from their institution of choice. Examples: http://www.uncwil.edu/stuaff/career/Majors orhttps://www1.cfnc.org/Plan/For_A_Career/_default.aspx.

The *Social Work pre-major* is designed for students who plan to pursue a Bachelor of Arts Degree in Social Work. Students who successfully complete this program and who meet admissions requirements at the receiving institution will be eligible to transfer to UNC institutions and some private senior institutions in North Carolina as juniors.

Application to a University
Admission application deadlines vary; students must meet the deadline for the university to which they plan to transfer. Upon successful completion of the associate degree, students who meet the requirements outlines in this pre-major articulation agreement will be eligible to be considered for admission as juniors to the universities offering the baccalaureate degree. Students are encouraged to contact the senior institution to confirm degree offerings.

Admission to the Major
Grade-point average requirements vary and admission is competitive across the several programs in Social Work.

Semester Hours Credit

GENERAL EDUCATION CORE ....44 SHC

English Composition..6 SHC

ENG 111	Expository Writing	3
	and	
ENG 112	Argument-Based Research	3
	or	
ENG 113	Literature-Based Research	3
	or	
ENG 114	Professional Research and Reporting	3

Humanities/Fine Arts...9 SHC
Select three courses from at least two of the following areas: art, drama, foreign languages, interdisciplinary humanities, literature, music, philosophy, and religion. One course must be a literature course. One foreign language is recommended. Each elementary foreign language course has a mandatory lab, which is listed in "Other Required Hours" section of this program.

1.	ART 111	Art Appreciation	3
	ART 114	Art History Survey I	3
	ART 115	Art History Survey II	3
	ART 116	Survey of American Art	3
	ART 117	Non-Western Art History	3
2.	DRA 111	Theatre Appreciation	3
	DRA 122	Oral Interpretation	3
	DRA 126	Storytelling	3
	DRA 211	Theatre History I	3
	DRA 212	Theatre History II	3
3.	ENG 131	Introduction to Literature	3
	ENG 231	American Literature I	3
	ENG 232	American Literature II	3
	ENG 233	Major American Writers	3
	ENG 241	British Literature I	3
	ENG 242	British Literature II	3
	ENG 261	World Literature I	3
	ENG 262	World Literature II	3
4.	FRE 111	Elementary French I	3
	FRE 112	Elementary French II	3
	FRE 211	Intermediate French I	3
	FRE 212	Intermediate French II	3
	GER 111	Elementary German I	3
	GER 112	Elementary German II	3
	GER 211	Intermediate German I	3
	GER 212	Intermediate German II	3
	SPA 111	Elementary Spanish I	3
	SPA 112	Elementary Spanish II	3
	SPA 211	Intermediate Spanish I	3
	SPA 212	Intermediate Spanish II	3

5.	HUM 110	Technology and Society	3
	HUM 115	Critical Thinking	3
	HUM 120	Cultural Studies	3
	HUM 121	The Nature of America	3
	HUM 122	Southern Culture	3
	HUM 130	Myth in Human Culture	3
	HUM 150	American Women’s Studies	3
	HUM 160	Introduction to Film	3
	HUM 161	Advanced Film Studies	3
	HUM 220	Human Values and Meaning	3
6.	MUS 110	Music Appreciation	3
	MUS 112	Introduction to Jazz	3
	MUS 113	American Music	3
	MUS 114	Non-Western Music	3
	MUS 210	History of Rock Music	3
	MUS 211	History of Country Music	3
	MUS 212	American Musical Theatre	3
7.	PHI 210	History of Philosophy	3
	PHI 215	Philosophical Issues	3
	PHI 220	Western Philosophy I	3
	PHI 221	Western Philosophy II	3
	PHI 230	Introduction to Logic	3
	PHI 240	Introduction to Ethics	3
8	REL 110	World Religions	3
	REL 111	Eastern Religions	3
	REL 112	Western Religions	3
	REL 211	Intro to Old Testament	3
	REL 212	Intro to New Testament	3
	REL 221	Religion in America	3

Speech/Communication...3 SHC

COM 231 is recommended.

COM 110	Intro to Communication	3
	or	
COM 120	Interpersonal Communication	3
	or	
COM 140	Intro Intercultural Com	3
	or	
COM 231	Public Speaking	3

Social/Behavioral Sciences ....12 SHC

Four courses from at least three discipline areas are required.

One course must be a history course. HIS 121 or HIS 131 is recommended.

HIS 115	Intro to Global History	3
HIS 121	Western Civilization I	3
HIS 122	Western Civilization II	3
HIS 131	American History I	3
HIS 132	American History II	3

The following courses are required:

POL 120	American Government	3
PSY 150	General Psychology	3
SOC 210	Introduction to Sociology	3

Natural Sciences/Mathematics...............................14 SHC

Natural Sciences .... 8 SHC

Select two courses, including accompanying laboratory work, from the biological and/or physical science disciplines. BIO 110, or, BIO 111 and BIO 112 are recommended. Reminder: BIO 140, CHM 131, and PHY 110 have mandatory labs..

1.	BIO 110	Principles of Biology	4
	BIO 111	General Biology I	4
	BIO 112	General Biology II	4
	BIO 130	Introductory Zoology	4
	BIO 140	Environmental Biology	3
	BIO 140A	Environmental Biology Lab	1
2.	CHM 131	Intro to Chemistry	3
	CHM 131A	Intro to Chemistry Lab	1
	CHM 151	General Chemistry I	4
	CHM 152	General Chemistry II	4
3.	GEL 113	Historical Geology	4
	GEL 120	Physical Geology	4
4.	PHY 110	Conceptual Physics	3
	PHY 110A	Conceptual Physics Lab	1
	PHY 151	College Physics I	4
	PHY 152	College Physics II	4

Math .... 6 SHC

Two courses are required. Select one or two courses from List I below or select the second course from List II below. The recommended course from List I is MAT 171. CIS 110 or MAT 155 is recommended to satisfy the second math requirement. Reminder: Students may not take any of these combinations: MAT 171/175 OR MAT 172/175.

The following courses have mandatory labs: MAT 155, 171, 172, 175, and 263. These labs are electives and are listed in the “Other Required Hours” section of this program

List I

MAT 171	Precalculus Algebra	3
MAT 172	Precalculus Trigonometry	3
MAT 175	Precalculus	4
MAT 263	Brief Calculus	3
MAT 271	Calculus I	4
MAT 272	Calculus II	4
MAT 273	Calculus III	4

List II

CIS 110	Introduction to Computers	3
MAT 155	Statistical Analysis	3

Total General Education Core ....44 SHC

OTHER REQUIRED HOURS (20-21 SHC)

Other required hours should be selected from electives listed below. The following courses are recommended: ANT 210; ECO 151 or 251; HIS 115, 122, or 132; PED 110; PSY 241; and PSY 281.

ACA 122	College Transfer Success	1
ANT 210	General Anthropology	3
ANT 220	Cultural Anthropology	3
CIS 115	Intro to Programming and Logic	3
COE 111	Co-op Work Experience	1
CSC 151	JAVA Programming	3
ECO 151	Survey of Economics	3
ECO 251	Prin of Microeconomics	3
ECO 252	Prin of Macroeconomics	3
ENG 272	Southern Literature	3
FRE 181	Elementary French Lab 1	1
FRE 182	Elementary French Lab 2	1
GER 181	Elementary German Lab 1	1
GER 182	Elementary German Lab 2	1
HIS 115	Intro to Global History	3
HIS 116	Current World Problems	3
HIS 122	Western Civilization II	3
HIS 132	American History II	3
HIS 221	African-American History	3
HIS 227	Native American History	3
HIS 228	History of the South	3
HIS 229	History of the Old South	3
HUM 115	Critical Thinking	3
HUM 170	The Holocaust	3
HUM 230	Leadership Development	3
MAT 155A	Statistical Analysis Lab	1
MAT 171A	Precalculus Algebra Lab	1
MAT 172A	Precalculus Trig Lab	1
MAT 175A	Precalculus Lab	1
MAT 263A	Brief Calculus Lab	1
PED 110	Fit and Well for Life	2
PED 113	Aerobics	1
PED 117	Weight Training I	1
PED 120	Walking for Fitness	1
PED 124	Run, Swim, Cycle	1
PED 125	Self-Defense - Beginning	1
PED 128	Golf-Beginning	1
PED 130	Tennis-Beginning	1
PED 132	Racquetball - Beginning	1
PED 145	Basketball-Beginning	1
PED 147	Soccer	1
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PED 149	Flag Football I	1
PED 154	Swimming for Fitness	1
PED 170	Backpacking	1
PED 210	Team Sports	1
PED 211	New games	1
PED 216	Indoor Cycling	1
PED 219	Disc Golf	1
PHI 250	Philosophy of Science	3
POL 110	Intro to Political Science	3
POL 210	Comparative Government	3
PSY 211	Psychology of Adjustment	3
PSY 241	Developmental Psychology	3
PSY 259	Human Sexuality	3
PSY 263	Educational Psychology	3
PSY 281	Abnormal Psychology	3
SOC 213	Sociology of the Family	3
SOC 220	Social Problems	3
SOC 230	Race and Ethnic Relations	3
SOC 232	Social Context of Aging	3
SOC 234	Sociology of Gender	3
SOC 240	Social Psychology	3
SOC 242	Sociology of Deviance	3
SPA 141	Culture and Civilization	3
SPA 161	Cultural Immersion	3
SPA 181	Elementary Spanish Lab 1	1
SPA 182	Elementary Spanish Lab 2	1
SPA 221	Spanish Conversation	3
SPA 231	Reading and Composition	3

Total Semester Hours of Other Required Hours...... 20-21

Total Requirement in Semester Hours..................... 64-65

Students must meet the receiving university's foreign language and/or health and physical education requirements, if applicable, prior to or after transfer to the senior institution.

Recommended Courses: Recommended Courses: One foreign language; ANT 210; BIO 110 or BIO 111 and BIO 112; COM 231; ECO 151 or ECO 251; HIS 121 or 131; HIS 115, 122, or 132; MAT 155 or CIS 110; PED 110; PSY 241; and PSY 281.

Sociology

A.A. DEGREE (A1010N)

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The *Sociology pre-major* is designed for students who plan to pursue a Bachelor of Arts Degree in Sociology. Students who successfully complete this program and who meet admissions requirements at the receiving institution, will be eligible to transfer to UNC institutions and some private senior institutions in North Carolina as juniors.

Application to a University

Admission application deadlines vary; students must meet the deadline for the university to which they plan to transfer. Upon successful completion of the associate degree, students who meet the requirements outlined in this pre-major articulation agreement will be eligible to be considered for admission as juniors to the universities offering the baccalaureate degree. Students are encouraged to contact the senior institution to confirm degree offerings.

Admission to the Major

Grade-point average requirements vary and admission is competitive across the several programs in Sociology.

Semester Hours Credit

GENERAL EDUCATION CORE ....44 SHC

English Composition...6 SHC

English 112 is a recommended course.

ENG 111	Expository Writing	3
	and	
ENG 112	Argument-Based Research	3
	or	
ENG 113	Literature-Based Research	3
	or	
ENG 114	Professional Research and Reporting	3

Humanities/Fine Arts..9 SHC

Select three courses from at least two of the following areas: art, drama, foreign languages, interdisciplinary humanities, literature, music, philosophy, and religion.

One course must be a literature course. One foreign language is recommended. Reminder: Each elementary foreign language course has a mandatory lab, which is listed in the "Other Required Hours" section.

1.	ART 111	Art Appreciation	3
	ART 114	Art History Survey I	3
	ART 115	Art History Survey II	3
	ART 116	Survey of American Art	3
	ART 117	Non-Western Art History	3
2.	DRA 111	Theatre Appreciation	3
	DRA 122	Oral Interpretation	3
	DRA 126	Storytelling	3
	DRA 211	Theatre History I	3
	DRA 212	Theatre History II	3
3.	ENG 131	Introduction to Literature	3
	ENG 231	American Literature I	3
	ENG 232	American Literature II	3
	ENG 233	Major American Writers	3
	ENG 241	British Literature I	3
	ENG 242	British Literature II	3
	ENG 261	World Literature I	3
	ENG 262	World Literature II	3
4.	FRE 111	Elementary French I	3
	FRE 112	Elementary French II	3
	FRE 211	Intermediate French I	3
	FRE 212	Intermediate French II	3
	GER 111	Elementary German I	3
	GER 112	Elementary German II	3
	GER 211	Intermediate German I	3
	GER 212	Intermediate German II	3
	SPA 111	Elementary Spanish I	3
	SPA 112	Elementary Spanish II	3
	SPA 211	Intermediate Spanish I	3
	SPA 212	Intermediate Spanish II	3

5.	HUM 110	Technology and Society	3
	HUM 115	Critical Thinking	3
	HUM 120	Cultural Studies	3
	HUM 121	The Nature of America	3
	HUM 122	Southern Culture	3
	HUM 130	Myth in Human Culture	3
	HUM 150	American Women's Studies	3
	HUM 160	Introduction to Film	3
	HUM 161	Advanced Film Studies	3
	HUM 220	Human Values and Meaning	3
6.	MUS 110	Music Appreciation	3
	MUS 112	Introduction to Jazz	3
	MUS 113	American Music	3
	MUS 114	Non-Western Music	3
	MUS 210	History of Rock Music	3
	MUS 211	History of Country Music	3
	MUS 212	American Musical Theatre	3
7.	PHI 210	History of Philosophy	3
	PHI 215	Philosophical Issues	3
	PHI 220	Western Philosophy I	3
	PHI 221	Western Philosophy II	3
	PHI 230	Introduction to Logic	3
	PHI 240	Introduction to Ethics	3
8.	REL 110	World Religions	3
	REL 111	Eastern Religions	3
	REL 112	Western Religions	3
	REL 211	Intro to Old Testament	3
	REL 212	Intro to New Testament	3
	REL 221	Religion in America	3

Speech/Communication..3 SHC

COM 231 is recommended.

COM 110	Intro to Communication	3
	or	
COM 120	Interpersonal Communication	3
	or	
COM 140	Intro Intercultural Com	3
	or	
COM 231	Public Speaking	3

Social/Behavioral Sciences ....12 SHC

Four courses from three discipline areas are required. One course must be a history course. HIS 121 is recommended.

HIS 115	Intro to Global History	3
HIS 121	Western Civilization I	3
HIS 122	Western Civilization II	3
HIS 131	American History I	3
HIS 132	American History II	3

The following courses are required:

SOC 210	Introduction to Sociology	3
SOC 220	Social Problems	3

One course from the following discipline areas is required (POL 120 is recommended): anthropology, economics, political science, and psychology.

1.	ANT 210	General Anthropology	3
	ANT 220	Cultural Anthropology	3
2.	ECO 151	Survey of Economics	3
	ECO 251	Prin of Microeconomics	3
	ECO 252	Prin of Macroeconomics	3
3.	POL 110	Intro to Political Science	3
	POL 120	American Government	3
	POL 210	Comparative Government	3
	POL 220	International Relations	3
4.	PSY 150	General Psychology	3
	PSY 241	Developmental Psychology	3
	PSY 281	Abnormal Psychology	3

Natural Sciences/Mathematics................................14 SHC

Natural Sciences .... 8 SHC

Select two courses, including accompanying laboratory work, from the biological and/or physical science disciplines.
Reminder: BIO 140, CHM 131 and PHY 110 have mandatory labs.

1.	BIO 110	Principles of Biology	4
	BIO 111	General Biology I	4
	BIO 112	General Biology II	4
	BIO 130	Introductory Zoology	4
	BIO 140	Environmental Biology	3
	BIO 140A	Environmental Biology Lab	1
2.	CHM 131	Intro to Chemistry	3
	CHM 131A	Intro to Chemistry Lab	1
	CHM 151	General Chemistry I	4
	CHM 152	General Chemistry II	4
3.	GEL 113	Historical Geology	4
	GEL 120	Physical Geology	4
4.	PHY 110	Conceptual Physics	3
	PHY 110A	Conceptual Physics Lab	1
	PHY 151	College Physics I	4
	PHY 152	College Physics II	4

Math .... 6 SHC

Two courses are required. Select one or two courses from List I below or select the second course from List II below.
MAT 155 is recommended to satisfy the second math requirement. Reminder: Students may not take any of these combinations: MAT 171/175 or MAT 172/175.

The following courses have mandatory labs: MAT 155, 171, 172, 175, and 263. These labs are electives and are listed in the "Other Required Hours" section of this program.

List I

MAT 171	Precalculus Algebra	3
MAT 172	Precalculus Trigonometry	3
MAT 175	Precalculus	4
MAT 263	Brief Calculus	3
MAT 271	Calculus I	4
MAT 272	Calculus II	4
MAT 273	Calculus III	4

List II

CIS 110	Introduction to Computers	3
MAT 155	Statistical Analysis	3

Total General Education Core ....44 SHC

OTHER REQUIRED HOURS (20-21 SHC)

Other required hours may be selected from the remaining general education core and/or the electives below. ECO 151 or ECO 251 is required (listed in the general education core above). The following courses are recommended: HIS 122, HIS 131, HIS 132, PED 110, and SOC 213 or 240.

ACA 122	College Transfer Success	1
ART 121	Design I	3
ART 122	Design II	3
ART 131	Drawing I	3
ART 132	Drawing II	3
ART 171	Computer Art I	3
ART 240	Painting I	3
ART 241	Painting II	3
ART 261	Photography I	3
ART 262	Photography II	3
ART 271	Computer Art II	3
ART 283	Ceramics I	3
ART 284	Ceramics II	3
BUS 115	Business Law I	3
CIS 115	Intro to Programming and Logic	3
CJC 111	Intro to Criminal Justice	3
CJC 121	Law Enforcement Operations	3
CJC 141	Corrections	3
COE 111	Co-op Work Experience	1
COM 251	Debate I	3
COM 252	Debate II	3
CSC 151	JAVA Programming	3
DRA 170	Play Production I	3
DRA 171	Play Production II	3
EDU 216	Foundations in Education	4
ENG 125	Creative Writing I	3
ENG 126	Creative Writing II	3
ENG 272	Southern Literature	3
ENG 273	African-American Literature	3
ENG 274	Literature by Women	3
FRE 181	Elementary French Lab1	1
FRE 182	Elementary French Lab 2	1
GER 181	Elementary German Lab 1	1
GER 182	Elementary German Lab 2	1
HIS 116	Current World Problems	3
HIS 122	Western Civilization II	3
HIS 131	American History I	3
HIS 132	American History II	3
HIS 221	African-American History	3
HIS 227	Native American History	3
HIS 228	History of the South	3
HIS 229	History of the Old South	3
HUM 170	The Holocaust	3
HUM 230	Leadership Development	3
MAT 155A	Statistical Analysis Lab	1
MAT 171A	Precalculus Algebra Lab	1
MAT 172A	Precalculus Trig Lab	1
MAT 175A	Precalculus Lab	1
MAT 263A	Brief Calculcus Lab	1
PED 110	Fit and Well for Life	2
PED 113	Aerobics I	1
PED 117	Weight Training I	1
PED 120	Walking for Fitness	1
PED 124	Run, Swim, Cycle	1
PED 125	Self-Defense--Beginning	1
PED 128	Golf-Beginning	1
PED 130	Tennis-Beginning	1
PED 132	Racquetball - Beginning	1
PED 143	Volleyball-Beginning	1
PED 145	Basketball-Beginning	1
PED 147	Soccer	1
PED 148	Softball	1
PED 149	Flag Football	1
PED 154	Swimming for Fitness	1
PED 170	Backpacking	1
PED 210	Team Sports	1
PED 211	New Games	1
PED 216	Indoor Cycling	1
PED 219	Disc Golf	1
PHI 250	Philosophy of Science	3
PSY 211	Psychology of Adjustment	3
PSY 259	Human Sexuality	3
PSY 263	Educational Psychology	3
SOC 213	Sociology of the Family	3
SOC 230	Race and Ethnic Relations	3
SOC 232	Social Context of Aging	3
SOC 234	Sociology of Gender	3
SOC 240	Social Psychology	3
SOC 242	Sociology of Deviance	3
SPA 141	Culture and Civilization	3
SPA 161	Cultural Immersion	3
SPA 181	Elementary Spanish Lab 1	1
SPA 182	Elementary Spanish Lab 2	1
SPA 221	Spanish Conversation	3
SPA 231	Reading and Composition	3

Total Semester Hours of Other Required Hours...... 20-21

Total Requirement in Semester Hours...................... 64-65

Students must meet the receiving university's foreign language and/or health and physical education requirements, if applicable, prior to or after transfer to the senior institution.

Recommended Courses: COM 231; ENG 112; one foreign language; HIS 121; HIS 122; HIS 131; HIS 132; MAT 155 and MAT 155A; PED 110; POL 120; and SOC 213 or SOC 240.

Special Education

A.A. DEGREE (A1010Z)

It is the responsibility of the student to know and to comply with the prerequisites and the corequisites listed in this catalog. If students have previous college credits from other institutions, students are advised to check first with a counselor at the receiving institution (the institution in which they plan to attend upon leaving CFCC). A counselor at the receiving institution should advise students of the courses to take at CFCC if the students have credits from other institutions. Otherwise, students will be encouraged to 1) complete their associate degree, which consists of 64-65 semester hours, or, the general education core, which consists of 44 semester hours; 2) contact their CFCC advisor, register early, and pay their tuition on time; and 3) earn a grade of "C"or higher on the first attempt. While some UNC institutions accept students with a 2.0 grade-point average, other UNC institutions require at least a 2.5 grade-point average. Students must always comply with the admission requirements of the receiving institution.

Important Websites

a. The following website provides more CFCC college transfer and advising information: http://cfcc.edu/transfer/.
b. The following website lists the academic programs offered at the sixteen (16) UNC institutions: http://www.northcarolina.edu/programs/index.php.
c. The following website lists the academic programs offered at the private independent senior institutions in North Carolina: http://www.northcarolina.edu/content.php/assessment/reports/publications/api.htm
d. Students who need assistance in deciding their major may visit CFCC's Career and Testing Services or visit the website about academic majors from their institution of choice. Examples: http://www.uncwil.edu/stuaff/career/Majors or https://www1.cfnc.org/Plan/For_A_Career/_default.aspx

The *Special Education pre-major* is designed for students who plan to pursue a Bachelor of Arts Degree in Special Education. Students who successfully complete this program and who meet admissions requirements at the receiving institution, will be eligible to transfer to UNC institutions and some private senior institutions in North Carolina as juniors.

Application to a University

Admission application deadlines vary; students must meet the deadline for the university to which they plan to transfer. Upon successful completion of the associate degree, students who meet the requirements outlined in this pre-major will be eligible to be considered for admission as juniors to the universities offering the baccalaureate degree. Students are encouraged to contact the senior institution to confirm degree offerings.

Admission to the Major

Grade-point average requirements vary, and admission is competitive across the several programs in Special Education. Minimum statewide requirements are listed below:

1. Minimum 2.5 grade-point average on a 4.0 scale.
2. Satisfactory passing scores as established by the State Board of Education (SBE) on PRAXIS PPST-Reading, PPST-Writing, PPST-Math, or other SBE approved options.

Receiving institutions may have additional requirements, prerequisites, and/or proficiencies. Since these vary at receiving institutions, students should review the admission to teacher education requirements for the institution(s) they anticipate serving.

Semester Hours Credit

GENERAL EDUCATION CORE ....44 SHC

English Composition..6 SHC

English 112 is a recommended course.

ENG 111	Expository Writing	3
	and	
ENG 112	Argument-Based Research	3
	or	
ENG 113	Literature-Based Research	3
	or	
ENG 114	Professional Research and Reporting	3

Humanities/Fine Arts...9 SHC

Select one literature course from the following:

ENG 131	Introduction to Literature	3
ENG 231	American Literature I	3
ENG 232	American Literature II	3
ENG 233	Major American Writers	3

The following course is required to substitute for 3 SHC of Humanities/Fine Arts:

COM 231	Public Speaking	3

One of the following courses is required:

ART 111	Art Appreciation	3
ART 114	Art History Survey I	3
ART 115	Art History Survey II	3
MUS 110	Music Appreciation	3

Select one additional course from the following discipline areas: art, drama, foreign languages, interdisciplinary humanities, literature, music, philosophy, and religion. A foreign language and the corresponding lab (listed as an elective) are recommended. Reminder: intermediate foreign languages do not require labs.

1.	ART 116	Survey of American Art	3
	ART 117	Non-Western Art History	3
2.	DRA 111	Theatre Appreciation	3
	DRA 122	Oral Interpretation	3
	DRA 126	Storytelling	3
	DRA 211	Theatre History I	3
	DRA 212	Theatre History II	3

3.	ENG 241	British Literature I	3
	ENG 242	British Literature II	3
	ENG 261	World Literature I	3
	ENG 262	World Literature II	3
4.	FRE 111	Elementary French I	3
	FRE 112	Elementary French II	3
	FRE 211	Intermediate French I	3
	FRE 212	Intermediate French II	3
	GER 111	Elementary German I	3
	GER 112	Elementary German II	3
	GER 211	Intermediate German I	3
	GER 212	Intermediate German II	3
	SPA 111	Elementary Spanish I	3
	SPA 112	Elementary Spanish II	3
	SPA 211	Intermediate Spanish I	3
	SPA 212	Intermediate Spanish II	3
5.	HUM 110	Technology and Society	3
	HUM 115	Critical Thinking	3
	HUM 120	Cultural Studies	3
	HUM 121	The Nature of America	3
	HUM 122	Southern Culture	3
	HUM 130	Myth in Human Culture	3
	HUM 150	American Women's Studies	3
	HUM 160	Introduction to Film	3
	HUM 161	Advanced Film Studies	3
	HUM 220	Human Values and Meaning	3
6.	MUS 112	Introduction to Jazz	3
	MUS 113	American Music	3
	MUS 114	Non-Western Music	3
	MUS 210	History of Rock Music	3
	MUS 211	History of Country Music	3
	MUS 212	American Musical Theatre	3
7.	PHI 210	History of Philosophy	3
	PHI 215	Philosophical Issues	3
	PHI 220	Western Philosophy I	3
	PHI 221	Western Philosophy II	3
	PHI 230	Introduction to Logic	3
	PHI 240	Introduction to Ethics	3
8.	REL 110	World Religions	3
	REL 111	Eastern Religions	3
	REL 112	Western Religions	3
	REL 211	Intro to Old Testament	3
	REL 212	Intro to New Testament	3
	REL 221	Religion in America	3

Speech/Communication..3 SHC

COM 231 is recommended.

COM 110	Intro to Communication	3
	or	
COM 120	Interpersonal Communication	3
	or	
COM 231	Public Speaking	3

Social/Behavioral Sciences ....12 SHC

Select four courses from at least three of the following areas: anthropology, economics, history, political science, psychology, and sociology. HIS 115, 121, or 122 is required. PSY 150 and SOC 210 are required. PSY 241 is recommended.

1.	ANT 210	General Anthropology	3
	ANT 220	Cultural Anthropology	3
2.	ECO 151	Survey of Economics	3
	ECO 251	Prin of Microeconomics	3
	ECO 252	Prin of Macroeconomics	3
3.	HIS 115	Intro to Global History	3
	HIS 121	Western Civilization I	3
	HIS 122	Western Civilization II	3
4.	POL 110	Intro to Political Science	3
	POL 120	American Government	3
	POL 210	Comparative Government	3
	POL 220	International Relations	3
5.	PSY 150	General Psychology	3
	PSY 241	Developmental Psych	3
	PSY 281	Abnormal Psychology	3
6.	SOC 210	Introduction to Sociology	3
	SOC 213	Sociology of the Family	3
	SOC 220	Social Problems	3
	SOC 230	Race and Ethnic Relations	3
	SOC 240	Social Psychology	3

Natural Sciences/Mathematics...............................14 SHC

Natural Sciences .... 8 SHC

One of the following courses is required (4 SHC):

BIO 110	Principles of Biology	4
	or	
BIO 111	General Biology I	4

Select one of the following (4 SHC):

CHM 131	Intro to Chemistry	3
	and	
CHM 131A	Intro to Chemistry Lab	1
	or	
CHM 151	General Chemistry I	4
	or	
PHY 110	Conceptual Physics	3
	and	
PHY 110A	Conceptual Physics Lab	1
	or	
PHY 151	College Physics I	4

Math .... 6 SHC

MAT 141 and 142 are required and have mandatory labs; these labs are listed in the Other Required Hours section of this program.

MAT 141	Mathematical Concepts I	3
MAT 142	Mathematical Concepts II	3

Total General Education Core ....44 SHC

OTHER REQUIRED HOURS (20-21 SHC)

One semester hour of credit may be included in a sixty-five semester-hour-credit associate in arts program. The transfer of the 65th hour is not guaranteed.

At certain UNC institutions, EDU 216 and EDU 221 (not offered at CFCC) may fulfill major requirements; at a majority of institutions the courses will transfer only as free electives. Students should check with the university for the local transfer policy, regarding EDU 216 and EDU 221.

It is recommended that within the 20 semester hours of "Other Required Hours," pre-education students in Special Education should select one of the following options:

1. Elective Option-20 semester hours of approved college transfer courses
2. English Option-12 semester hours in English beyond general education requirements
3. Mathematics/Natural Sciences option-12 semester hours in Mathematics or Natural Sciences beyond general education requirements
4. Foreign Language Option-12 semester hours in Foreign Language beyond general education requirements.

EDU 216 is required.

ACA 122	College Transfer Success	1
ART 264	Digital Photography I	3
ART 265	Digital Photography II	3
BIO 112	General Biology II	4
BIO 140	Environmental. Biology	3
BIO 140A	Environmental Biology Lab	1
CHM 152	General Chemistry II	4
CIS 110	Into to Computers	3
COE 111	Co-op Work Experience	1
COM 160	Small Group	3
COM 250	Public Communication	3
COM 251	Debate I	3
COM 252	Debate II	3
CSC 151	JAVA Programming	3
CTS 115	Info Sys Business Concept	3
EDU 216	Foundations of Education	4
ENG 231	American Literature I	3
ENG 232	American Literature II	3
ENG 241	British Literature I	3
ENG 242	British Literature II	3
ENG 261	World Literature I	3
ENG 262	World Literature II	3
ENG 272	Southern Literature	3
ENG 273	African-American Literature	3
ENG 274	Literature by Women	3
FRE 181	Elementary French Lab 1	1
FRE 182	Elementary French Lab 2	1
GEL 113	Historical Geology	3
GEL 120	Physical Geology	3
GER 181	Elementary German Lab 1	1
GER 182	Elementary German Lab 2	1
HIS 131	American History I	3
HIS 132	American History II	3
HUM 170	The Holocaust	3
HUM 230	Leadership Development	3
JOU 110	Intro to Journalism	3
JOU 217	Feature/Editorial Writing	3
MAT 141A	Mathematical Concepts I	1
MAT 142A	Mathematical Concepts II	1
MAT 155	Statistical Analysis	3
MAT 155A	Statistical Analysis Lab	1
MAT 171	Precalculus Algebra	3
MAT 171A	Precalculus Algebra Lab	1
MAT 172	Precalculus Trig	3
MAT 172A	Precalculus Trig. Lab	1
MAT 175	Precalculus	4
MAT 175A	Precalculus Lab	1
MAT 271	Calculus I	4
MAT 272	Calculus II	4
MAT 273	Calculus III	4
MUS 131	Chorus I	1
MUS 132	Chorus II	1
MUS 135	Jazz Ensemble I	1
MUS 136	Jazz Ensemble II	1
MUS 137	Orchestra I	1
MUS 138	Orchestra II	1
MUS 151	Class Music I	1
MUS 152	Class Music II	1
MUS 161	Applied Music I	2
MUS 162	Applied Music II	2
MUS 231	Chorus III	1
MUS 232	Chorus IV	1
MUS 251	Chorus III	1
MUS 252	Class Music IV	1
MUS 261	Applied Music III	2
MUS 262	Applied Music IV	2
PED 110	Fit and Well for Life	2
PED 113	Aerobics I	1
PED 117	Weight Training I	1
PED 120	Walking for Fitness	1
PED 124	Run, Swim, Cycle	1
PED 125	Self-Defense-Beginning	1
PED 128	Golf-beginning	1
PED 130	Tennis-Beginning	1
PED 132	Racquetball - Beginning	1
PED 143	Volleyball-Beginning	1
PED 147	Soccer	1
PED 148	Softball	1
PED 149	Flag Football	1
PED 154	Swimming for Fitness	1
PED 170	Backpacking	1
PED 210	Team Sports	1
PED 211	New Games	1
PED 216	Indoor Cycling	1
PED 219	Disc Golf	1
PSY 263	Educational Psychology	3

PSY 281	Abnormal Psychology	3
SPA 141	Culture and Civilization	3
SPA 161	Cultural Immersion	3
SPA 181	Elementary Spanish Lab 1	1
SPA 182	Elementary Spanish Lab 2	1
SPA 221	Spanish Conversation	3
SPA 231	Reading and Composition	3

Total Semester Hours of Other Required Hours...... 20-21

Total Requirement in Semester Hours...................... 64-65
Students must meet the receiving university's foreign language and/or health and physical education requirements, if applicable, prior to or after transfer.

Recommended Courses: One foreign language and PSY 241.

ASSOCIATE IN FINE ARTS PRE-MAJORS

Art

A.F.A. DEGREE (A1020A)

It is the responsibility of the student to know and to comply with the prerequisites and the corequisites listed in this catalog. If students have previous college credits from other institutions, students are advised to check first with a counselor at the receiving institution (the institution in which they plan to attend upon leaving CFCC). A counselor at the receiving institution should advise students of the courses to take at CFCC if the students have credits from other institutions. Otherwise, students will be encouraged to 1) complete their associate degree, which consists of 64-65 semester hours, or, the general education core, which consists of 28 semester hours; 2) contact their CFCC advisor, register early, and pay their tuition on time; and 3) earn a grade of "C"or higher on the first attempt. Since this premajor has only 28 credit hours in the general education core, students may be required to fulfill their basic studies requirement after they transfer. When students have completed the general education core and the electives required for this program of study, students are advised to take additional core classes to fulfill their free electives. Early contact with a senior institution is important before a student enroll in this program. While some UNC institutions accept students with a 2.0 grade-point average, other UNC institutions require at least a 2.5 grade-point average. Students must always comply with the admission requirements of the receiving institution.

Important Websites

a. The following website provides more CFCC college transfer and advising information: http://cfcc.edu/transfer/.
b. The following website lists the academic programs offered at the sixteen (16) UNC institutions: http://www.northcarolina.edu/programs/index.php.
c. The following website lists the academic programs offered at the private independent senior institutions in North Carolina: http://www.northcarolina.edu/content.php/assessment/reports/publications/api.htm
d. Students who need assistance in deciding their major may visit CFCC's Career and Testing Services or visit the website about academic majors from their institution of choice. Examples: http://www.uncwil.edu/stuaff/career/Majors or https://www1.cfnc.org/Plan/For_A_Career/_default.aspx.

The *Art* pre-major is designed for students who plan to receive a Bachelor of Fine Arts Degree in Art. The general education core consists of 28 semester hour credits.

While the courses in this pre-major are not taught every semester, each course is taught at least once per year. When planning a class schedule, students should consider the frequency of the course offerings.

Since requirements vary, each student should first contact the senior institution of choice to determine the specific requirements of that institution and to determine whether it is better to complete this pre-major or the Associate in Arts: General Studies program or the minimum transfer hours of the receiving institution. Some senior institutions offer a Bachelor in Fine Arts degree while others offer a Bachelor in Arts degree. Depending on the institution of choice, some students will not have satisfied the general education core or the basic studies requirements even if the students complete this degree. Prospective Art Education pre-majors should first be advised by an admissions counselor at the senior institution before they enroll in this program or seek advising from a CFCC counselor or advisor.

Application to a University
Admission application deadlines vary; students must meet the deadline for the university to which they plan to transfer. Upon successful completion of the associate degree, students who meet the requirements outlined in this pre-major articulation agreement will be eligible to be considered for admission as juniors to the universities offering the baccalaureate degree. Students are encouraged to contact the senior institution to confirm degree offerings.

Admission to the Major
Grade-point average requirements vary and admission is competitive across the several programs in Art Education.

Semester Hours Credit

GENERAL EDUCATION CORE ....28 SHC

English Composition...6 SHC

ENG 111	Expository Writing	3
	and	
ENG 112	Argument-Based Research	3
	or	
ENG 113	Literature-Based Research	3
	or	
ENG 114	Professional Research and Reporting	3

Humanities/Fine Arts ... 3 SHC

Select one literature course from the following:

ENG 131	Introduction to Literature	3
ENG 231	American Literature I	3
ENG 232	American Literature II	3
ENG 233	Major American Writers	3
ENG 241	British Literature I	3
ENG 242	British Literature II	3
ENG 261	World Literature I	3
ENG 262	World Literature II	3

Speech/Communication ... 3 SHC

COM 231 is recommended.

COM 110	Intro to Communication	3
	or	
COM 120	Interpersonal Communication	3
	or	
COM 140	Intro Intercultural Com	3
	or	
COM 231	Public Speaking	3

Social/Behavioral Sciences ... 9 SHC

Select three courses from three of the following areas: anthropology, economics, history, political science, psychology, and sociology. One course must be a history course. The following course is recommended: PSY 150.

1. ANT 210	General Anthropology	3
ANT 220	Cultural Anthropology	3
2. ECO 151	Survey of Economics	3
ECO 251	Prin of Microeconomics	3
ECO 252	Prin of Macroeconomics	3
3. HIS 115	Intro to Global History	3
HIS 121	Western Civilization I	3
HIS 122	Western Civilization II	3
HIS 131	American History I	3
HIS 132	American History II	3
4. POL 110	Intro to Political Science	3
POL 120	American Government	3
POL 210	Comparative Government	3
POL 220	International Relations	3
5. PSY 150	General Psychology	3
PSY 241	Developmental Psychology	3
PSY 281	Abnormal Psychology	3
6. SOC 210	Introduction to Sociology	3
SOC 213	Sociology of the Family	3
SOC 220	Social Problems	3
SOC 230	Race and Ethnic Relations	3
SOC 240	Social Psychology	3

Natural Sciences/Mathematics ... 7 SHC

Natural Sciences. ... 4 SHC

Select one course, including accompanying laboratory work, from the biological and/or physical science disciplines. Reminder: BIO 140, CHM 131, and PHY 110 have mandatory labs.

1. BIO 110	Principles of Biology	4
BIO 111	General Biology I	4
BIO 130	Introductory Zoology	4
BIO 140	Environmental Biology	3
BIO 140A	Environmental Biology Lab	1
2. CHM 131	Intro to Chemistry	3
CHM 131A	Intro to Chemistry Lab	1
CHM 151	General Chemistry I	4
3. GEL 113	Historical Geology	4
GEL 120	Physical Geology	4
4. PHY 110	Conceptual Physics	3
PHY 110A	Conceptual Physics Lab	1
PHY 151	College Physics I	4

Math ... 3 SHC

One math is required. If students select a second math as an elective, they may not receive credits for any of these combinations: MAT 171/175 or MAT 172/175.

The following courses have mandatory labs: MAT 140, 171, and 175. These labs are electives and are listed in the Other Required Hours section of this program..

MAT 140	Survey of Mathematics	3
MAT 171	Precalculus Algebra	3
MAT 175	Precalculus	4

OTHER REQUIRED HOURS (36-37 SHC)

The required courses are posted in List I below. Select additional hours from any unused general education core courses and/or the electives posted in List II below.

Reminder: Graduates must take a computer competency in the Learning Lab or take CIS 110.

List I

ART 114	Art History Survey I	3
ART 115	Art History Survey II	3
ART 121	Design I	3
ART 122	Design II	3
ART 131	Drawing I	3

List ll

ACA 122	College Transfer Success	1
ART 116	Survey of American Art	3
ART 117	Non-Western Art History	3
ART 132	Drawing II	3
ART 171	Computer Art I	3
ART 212	Gallery Assistantship I	1

ART 214	Portfolio and Resume	1
ART 231	Printmaking I	3
ART 232	Printmaking II	3
ART 240	Painting I	3
ART 241	Painting II	3
ART 245	Metals I	3
ART 246	Metals II	3
ART 247	Jewelry I	3
ART 248	Jewelry II	3
ART 250	Surface Design:Textiles	3
ART 251	Weaving I	3
ART 252	Weaving II	3
ART 261	Photography I	3
ART 262	Photography II	3
ART 264	Digital Photography I	3
ART 265	Digital Photography II	3
ART 266	Videography I	3
ART 267	Videography II	3
ART 271	Computer Art II	3
ART 281	Sculpture I	3
ART 282	Sculpture II	3
ART 283	Ceramics I	3
ART 284	Ceramics II	3
ART 288	Studio	3
CIS 110	Introduction to Computers	3
COE 111	Co-op Work Experience I	1
COM 111	Voice and Diction I	3
COM 150	Intro to Mass Communication	3
COM 160	Small Group Communication	3
COM 250	Public Communication	3
COM 251	Debate I	3
COM 252	Debate II	3
FRE 111	Elementary French I	3
FRE 112	Elementary French II	3
FRE 181	Elementary French Lab 1	1
FRE 182	Elementary French Lab 2	1
FRE 211	Intermediate French I	3
FRE 212	Intermediate French II	3
GER 111	Elementary German I	3
GER 112	Elementary German II	3
GER 181	Elementary German Lab 1	1
GER 182	Elementary German Lab 2	1
GER 211	Intermediate German I	3
GER 212	Intermediate German II	3
HIS 116	Current World Problems	3
HIS 221	African-American History	3
HIS 228	History of the South	3
HIS 229	History of the Old South	3
HUM 110	Technology and Society	3
HUM 115	Critical Thinking	3
HUM 120	Cultural Studies	3
HUM 121	The Nature of America	3
HUM 122	Southern Culture	3
HUM 150	American Women's Studies	3
HUM 160	Introduction to Film	3
HUM 161	Advanced Film Studies	3
HUM 170	The Holocaust	3
HUM 230	Leadership Development	3

Total Semester Hours of Other Required Hours...... 36-37

Students must meet the receiving university's foreign language and/or health and physical education requirements, if applicable, prior to or after transfer to the senior institution.

Recommended Courses: COM 231 and PSY 150

Sample Class Schedule for the Associate in Fine Arts: Art Pre-major

Fall Semester I	**SHC**
ENG 111	3
ACA 122	1
ART 114	3
ART 121	3
ART 131	3
	13

Spring Semester I	**SHC**
ENG 112	3
HIS 121	3
ART 115	3
ART 122	3
ART 132	3
	15

Summer Semester I	**SHC**
MAT 140/140A	4
COM 110	3
PSY 150	3
	10

Fall Semester II	**SHC**
ENG 131	3
BIO 110	4
ART 116	3
ART (Specialty)	3
	13

Spring Semester II	**SHC**
SOC 210	3
ART 117	3
ART 214	1
ART (Specialty)	3
Art Elective	3
	1

Total Hours 64

Note: Computer Competency must be demonstrated before the AFA can be awarded. Because required courses for pre-major, no general education electives are recommended.

ASSOCIATE IN FINE ARTS

Drama

A.F.A. DEGREE (A1020C)

It is the responsibility of the student to know and to comply with the prerequisites and the corequisites listed in this catalog. If students have previous college credits from other institutions, students are advised to check first with a counselor at the receiving institution (the institution in which they plan to attend upon leaving CFCC). A counselor at the receiving institution should advise students of the courses to take at CFCC if the students have credits from other institutions. Otherwise, students will be encouraged to 1) complete their associate degree, which consists of 64-65 semester hours, or, the general education core, which consists of 28 semester hours; 2) contact their CFCC advisor, register early, and pay their tuition on time; and 3) earn a grade of "C"or higher on the first attempt. Since this premajor has only 28 credit hours in the general education core, students may be required to fulfill their basic studies requirement after they transfer. When students have completed the general education core and the electives required for this program of study, students are advised to take additional core classes to fulfill their free electives. Early contact with a senior institution is important before a student enroll in this program. While some UNC institutions accept students with a 2.0 grade-point average, other UNC institutions require at least a 2.5 grade-point average. Students must always comply with the admission requirements of the receiving institution.

Important Websites

a. The following website provides more CFCC college transfer and advising information: http://cfcc.edu/transfer/.
b. The following website lists the academic programs offered at the sixteen (16) UNC institutions: http://www.northcarolina.edu/programs/index.php.
c. The following website lists the academic programs offered at the private independent senior institutions in North Carolina: http://www.northcarolina.edu/content.php/assessment/reports/publications/api.htm
d. Students who need assistance in deciding their major may visit CFCC's Career and Testing Services or visit the website about academic majors from their institution of choice. Examples: http://www.uncwil.edu/stuaff/career/Majors or https://www1.cfnc.org/Plan/For_A_Career/_default.aspx.

The *Drama* pre-major is designed for students who plan to receive a Bachelor of Fine Arts Degree in Drama. The general education core consists of 28 semester hour credits.

This program enables students to concentrate in one or more of three areas: Acting for the Stage, Acting for Television and Film, and Technical Theatre. Students who wish to concentrate their studies in live theatrical performance should take courses which refine their abilities to communicate on stage. Students whose emphasis is on Television and Film Acting should take courses such as Teleplay Production, Acting for the Camera, and Videography. All students who are considering performance should take DRA 130 (Acting I) and DRA 122 (Oral Interpretation) before they enter classes in their concentration areas. Students who are interested in technical theatre should take courses in Stagecraft, Lighting, Sound Technology, Costuming and Makeup.

While the courses in the Drama premajor are not taught every semester, each course is taught at least once per year. When planning a class schedule, students should consider the frequency of the course offerings.

Since requirements vary, each student should first contact the senior institution of choice to determine the specific requirements of that institution and to determine whether it is better to complete the Drama premajor or the Associate in Arts: General Studies program or the minimum transfer hours of the receiving institution. Some senior institutions offer a Bachelor in Fine Arts degree while others offer a Bachelor in Arts degree. Depending on the institution of choice, some students will not have satisfied the general education core or the basic studies requirements even if the students complete this degree. Before students may enroll in the Theater Department, some institutions require them to audition. Prospective Drama premajors should first be advised by an admissions counselor at the senior institution before they enroll in this program or seek advising from a CFCC counselor or advisor.

Application to a University
Admission application deadlines vary; students must meet the deadline for the university to which they plan to transfer. Upon successful completion of the associate degree, students who meet the requirements outlines in this pre-major articulation agreement will be eligible to be considered for admission as juniors to the universities offering the baccalaureate degree. Students are encouraged to contact the senior institution to confirm degree offerings.

Admission to the Major
Grade-point average requirements vary and admission is competitive across the several programs in Drama

Semester Hours Credit

GENERAL EDUCATION CORE ....(28 SHC)

English Composition..6 SHC

ENG 111	Expository Writing .... and	3
ENG 112	Argument-Based Research .... or	3
ENG 113	Literature-Based Research......................... or	3
ENG 114	Professional Research and Reporting.........	3

Humanities/Fine Arts...3 SHC
Select one of the following literature courses:

ENG 131	Introduction to Literature	3
ENG 231	American Literature I	3
ENG 232	American Literature II	3
ENG 233	Major American Writers	3
ENG 241	British Literature I	3
ENG 242	British Literature II	3
ENG 261	World Literature I	3
ENG 262	World Literature II	3

Speech/Communication..3 SHC

COM 231	Public Speaking	3
COM 140	Intro Intercultural Com	3

Social/Behavioral Sciences ....9 SHC
Select three courses from three of the following areas: anthropology, economics, history, political science, psychology, and sociology. One course must be a history course. The following course is recommended: PSY 150.

1.	ANT 210	General Anthropology	3
	ANT 220	Cultural Anthropology	3
2.	ECO 151	Survey of Economics	3
	ECO 251	Prin of Microeconomics	3
	ECO 252	Prin of Macroeconomics	3
3.	HIS 115	Intro to Global History	3
	HIS 121	Western Civilization I	3
	HIS 122	Western Civilization II	3
	HIS 131	American History I	3
	HIS 132	American History II	3
4.	POL 110	Intro to Political Science	3
	POL 120	American Government	3
	POL 210	Comparative Government	3
	POL 220	International Relations	3
5.	PSY 150	General Psychology	3
	PSY 241	Developmental Psychology	3
	PSY 281	Abnormal Psychology	3
6.	SOC 210	Introduction to Sociology	3
	SOC 213	Sociology of the Family	3
	SOC 220	Social Problems	3
	SOC 230	Race and Ethnic Relations	3
	SOC 240	Social Psychology	3

Natural Sciences/Mathematics..................................7 SHC
Natural Sciences. .... 4 SHC
Select one course, including accompanying laboratory work, from the biological and/or physical science disciplines. Reminder: BIO 140, CHM 131, and PHY 110 have mandatory labs.

1.	BIO 110	Principles of Biology	4
	BIO 111	General Biology I	4
	BIO 112	General Biology II	4
	BIO 130	Introductory Zoology	4
	BIO 140	Environmental Biology	3
	BIO 140A	Environmental Biology Lab	1
2.	CHM 131	Intro to Chemistry	3
	CHM 131A	Intro to Chemistry Lab	1
	CHM 151	General Chemistry I	4
3.	GEL 113	Historical Geology	4
	GEL 120	Physical Geology	4
4.	PHY 110	Conceptual Physics	3
	PHY 110A	Conceptual Physics Lab	1
	PHY 151	College Physics I	4

Math .... 3 SHC
One math is required. If students select a second math as an elective, they may not take any of these combinations: MAT 171/175 or MAT 172/175.

The following courses have mandatory labs: MAT 140, 171, and 175. These labs are electives and are listed in the “Other Required Hours” section of this program.

MAT 140	Survey of Mathematics	3
MAT 171	Precalculus Algebra	3
MAT 175	Precalculus	4

OTHER REQUIRED HOURS ....(36-37 SHC)
The following drama courses are required (14 SHC):

DRA 120	Voice for Performance	3
DRA 130	Acting I	3
DRA 131	Acting II	3
DRA 140	Stagecraft I	3
DRA 145	Stage Make-up	2

Select one of the following play production courses (3 SHC):

DRA 170	Play Production I	3
DRA 171	Play Production II	3
DRA 270	Play Production III	3
DRA 271	Play Production IV	3

Select 6 SHC from the following:

DRA 122	Oral Interpretation	3
DRA 128	Children’s Theatre	3
DRA 141	Stagecraft II	3
DRA 142	Costuming	3
DRA 211	Theatre History I	3
DRA 212	Theatre History II	3
DRA 260	Directing	3

Other required hours should be selected from the remaining general education courses, the remaining electives above, and/or the electives listed below.

ACA 122	College Transfer Success	1
ACC 121	Prin of Managerial Accounting	4

ART 111	Art Appreciation	3
ART 114	Art History Survey I	3
ART 115	Art History Survey II	3
ART 116	Survey of American Art	3
ART 117	Non-Western Art History	3
ART 121	Design I	3
ART 122	Design II	3
ART 131	Drawing I	3
ART 132	Drawing II	3
ART 171	Computer Art I	3
ART 214	Portfolio and Resume	1
ART 231	Printmaking I	3
ART 232	Printmaking II	3
ART 240	Painting I	3
ART 241	Painting II	3
ART 261	Photography I	3
ART 262	Photography II	3
ART 264	Digital Photography I	3
ART 265	Digital Photography II	3
ART 266	Videography I	3
ART 267	Videography II	3
ART 271	Computer Art II	3
ART 281	Sculpture I	3
ART 282	Sculpture II	3
ART 283	Ceramics I	3
ART 284	Ceramics II	3
ART 288	Studio	3
BIO 112	General Biology II	4
CHM 132	Organic and Biochemistry	4
CHM 152	General Chemistry II	4
CIS 110	Introduction to Computers	3
CIS 115	Intro to Programming and Logic	3
COE 111	Co-op Work Experience I	1
COM 111	Voice and Diction I	3
COM 150	Intro to Mass Communication	3
COM 160	Small Group Communication	3
COM 250	Public Communication	3
COM 251	Debate I	3
COM 252	Debate II	3
CSC 151	JAVA Programming	3
CTS 115	Info Systems Business Concept	3
DRA 111	Theatre Appreciation	3
DRA 126	Storytelling	3
DRA 135	Acting for the Camera I	3
DRA 136	Acting for the Camera II	3
DRA 175	Teleplay Production I	3
DRA 176	Teleplay Production II	3
EDU 216	Foundations in Education	4
ENG 125	Creative Writing I	3
ENG 126	Creative Writing II	3
ENG 272	Southern Literature	3
ENG 273	African-American Literature	3
ENG 274	Literature by Women	3
FRE 111	Elementary French I	3
FRE 112	Elementary French II	3
FRE 181	Elementary French Lab 1	1
FRE 182	Elementary French Lab 2	1
FRE 211	Intermediate French I	3
FRE 212	Intermediate French II	3
GER 111	Elementary German I	3
GER 112	Elementary German II	3
GER 181	Elementary German Lab 1	1
GER 182	Elementary German Lab 2	1
GER 211	Intermediate German I	3
GER 212	Intermediate German II	3
HIS 116	Current World Problems	3
HIS 221	African-American History	3
HIS 228	History of the South	3
HIS 229	History of the Old South	3
HUM 110	Technology and Society	3
HUM 115	Critical Thinking	3
HUM 120	Cultural Studies	3
HUM 121	The Nature of America	3
HUM 122	Southern Culture	3
HUM 150	American Women's Studies	3
HUM 160	Introduction to Film	3
HUM 161	Advanced Film Studies	3
HUM 170	The Holocaust	3
HUM 230	Leadership Development	3
MAT 140A	Survey of Mathematics Lab	1
MAT 155	Statistical Analysis	3
MAT 155A	Statistical Analysis Lab	1
MAT 171A	Precalculus Algebra Lab	1
MAT 172	Precalculus Trigonometry	3
MAT 172A	Precalculus Trig Lab	1
MAT 175A	Precalculus Lab	1
MAT 263	Brief Calculus	3
MAT 263A	Brief Calculus Lab	1
MUS 110	Music Appreciation	3
MUS 111	Fundamentals of Music	3
MUS 112	Introduction to Jazz	3
MUS 113	American Music	3
MUS 114	Non-Western Music	3
MUS 121	Music Theory I	4
MUS 122	Music Theory II	4
MUS 123	Music Composition	1
MUS 131	Chorus I	1
MUS 132	Chorus II	1
MUS 135	Jazz Ensemble I	1
MUS 136	Jazz Ensemble II	1
MUS 137	Orchestra I	1
MUS 138	Orchestra II	1
MUS 141	Ensemble I	1
MUS 142	Ensemble II	1
MUS 151	Class Music I	1
MUS 152	Class Music II	1
MUS 161	Applied Music I	2
MUS 162	Applied Music II	2
MUS 175	Recording Techniques I	2
MUS 176	Recording Techniques II	2
MUS 210	History of Rock Music	3
MUS 211	History of Country Music	3
MUS 212	American Musical Theatre	3
MUS 214	Electronic Music I	2
MUS 215	Electronic Music II	2
MUS 221	Music Theory III	4
MUS 222	Music Theory IV	4
MUS 231	Chorus III	1

MUS 232	Chorus IV	1
MUS 235	Jazz Ensemble III	1
MUS 236	Jazz Ensemble IV	1
MUS 237	Orchestra III	1
MUS 238	Orchestra IV	1
MUS 241	Ensemble III	1
MUS 242	Ensemble IV	1
MUS 251	Class Music III	1
MUS 252	Class Music IV	1
MUS 253	Big Band	1
MUS 261	Applied Music III	2
MUS 262	Applied Music IV	2
MUS 271	Music History I	1
MUS 272	Music History II	1
PED 110	Fit and Well for Life	2
PED 113	Aerobics I	1
PED 117	Weight Training I	1
PED 120	Walking for Fitness	1
PED 124	Run, Swim, Cycle	1
PED 125	Self-Defense--Beginning	1
PED 128	Golf-Beginning	1
PED 130	Tennis-Beginning	1
PED 132	Racquetball - Beginning	1
PED 143	Volleyball-Beginning	1
PED 147	Soccer	1
PED 148	Softball	1
PED 149	Flag Football	1
PED 154	Swimming for Fitness	1
PED 210	Team Sports	1
PED 211	New Games	1
PED 216	Indoor Cycling	1
PED 219	Disc Golf	1
PHI 210	History of Philosophy	3
PHI 215	Philosophical Issues	3
PHI 220	Western Philosophy I	3
PHI 221	Western Philosophy II	3
PHI 230	Introduction to Logic	3
PHI 240	Introduction to Ethics	3
PHI 250	Philosophy of Science	3
PHY 152	College Physics II	4
PSY 211	Psychology of Adjustment	3
PSY 259	Human Sexuality	3
PSY 263	Educational Psychology	3
REL 110	World Religions	3
REL 111	Eastern Religions	3
REL 112	Western Religions	3
REL 211	Intro to Old Testament	3
REL 212	Intro to New Testament	3
REL 221	Religion in America	3
SOC 232	Social Context of Aging	3
SOC 234	Sociology of Gender	3
SOC 242	Sociology of Deviance	3
SPA 111	Elementary Spanish I	3
SPA 112	Elementary Spanish II	3
SPA 141	Culture and Civilization	3
SPA 161	Cultural Immersion	3
SPA 181	Elementary Spanish Lab 1	1
SPA 182	Elementary Spanish Lab 2	1
SPA 211	Intermediate Spanish I	3
SPA 212	Intermediate Spanish II	3
SPA 221	Spanish Conversation	3
SPA 231	Reading and Composition	3

Total Semester Hours of Other Required Hours...... 36-37

Students must meet the receiving university's foreign language and/or health and physical education requirements, if applicable, prior to or after transfer to the senior institution.

Recommended Course: COM 231 and PSY 150.

Sample Class Schedule for the Associate in Fine Arts: Drama

Fall Semester I	**SHC**
ENG 111	3
HIS 121	3
DRA 120	3
DRA 130	3
DRA 211	3
	15

Spring Semester I	**SHC**
ENG 112	3
PSY 150	3
MAT 140/140A	4
DRA 131	3
DRA 212	3
	16

Summer Semester I	**SHC**
ENG 131	3
DRA 122	3
DRA 140	3
	9

Fall Semester II	**SHC**
BIO 110	4
SOC 210	3
DRA 170	3
DRA 230	3
	13

Spring Semester II	**SHC**
COM 231	3
ACA 122	1
DRA 135	3
DRA 145	2
DRA 260	3
	12

Total Hours ....65 SHC

Note: Computer Competency must be demonstrated before the AFA can be awarded.

Music and Music Education

A.F.A. DEGREE (A1020D)

It is the responsibility of the student to know and to comply with the prerequisites and the corequisites listed in this catalog. If students have previous college credits from other institutions, students are advised to check first with a counselor at the receiving institution (the institution in which they plan to attend upon leaving CFCC). A counselor at the receiving institution should advise students of the courses to take at CFCC if the students have credits from other institutions. Otherwise, students will be encouraged to 1) complete their associate degree, which consists of 64-65 semester hours, or, the general education core, which consists of 28 semester hours; 2) contact their CFCC advisor, register early, and pay their tuition on time; and 3) earn a grade of "C"or higher on the first attempt. Since this premajor has only 28 credit hours in the general education core, students may be required to fulfill their basic studies requirement after they transfer. When students have completed the general education core and the electives required for this program of study, students are advised to take additional core classes to fulfill their free electives. Early contact with a senior institution is important before a student enrolls in this program. While some UNC institutions accept students with a 2.0 grade-point average, other UNC institutions require at least a 2.5 grade-point average. Students must always comply with the admission requirements of the receiving institution.

Important Websites

a. The following website provides more CFCC college transfer and advising information: http://cfcc.edu/transfer/.
b. The following website lists the academic programs offered at the sixteen (16) UNC institutions: http://www.northcarolina.edu/programs/index.php.
c. The following website lists the academic programs offered at the private independent senior institutions in North Carolina: http://www.northcarolina.edu/content.php/assessment/reports/publications/api.htm
d. Students who need assistance in deciding their major may visit CFCC's Career and Testing Services or visit the website about academic majors from their institution of choice. Examples: http://www.uncwil.edu/stuaff/career/Majors or https://www1.cfnc.org/Plan/For_A_Career/_default.aspx.

The *Music and Music Education* pre-major is designed for students who plan to receive a Bachelor of Fine Arts Degree in Music or Music Education. The general education core consists of 28 semester hour credits.

While the courses in this pre-major are not taught every semester, each course is taught at least once per year. When planning a class schedule, students should consider the frequency of the course offerings.

Since requirements vary, each student should first contact the senior institution of choice to determine the specific requirements of that institution and to determine whether it is better to complete this pre-major or the Associate in Arts: General Studies program or the minimum transfer hours of the receiving institution. Some senior institutions offer a Bachelor in Fine Arts degree while others offer a Bachelor in Arts degree. Depending on the institution of choice, some students will not have satisfied the general education core or the basic studies requirements even if the students complete this degree. Prospective Music and Music Education pre-majors should first be advised by an admissions counselor at the senior institution before they enroll in this program or seek advising from a CFCC counselor or advisor.

Application to a University

Admission application deadlines vary; students must meet the deadline for the university to which they plan to transfer. Upon successful completion of the associate degree, students who meet the requirements outlined in this pre-major articulation agreement will be eligible to be considered for admission as juniors to the universities offering the baccalaureate degree. Students are encouraged to contact the senior institution to confirm degree offerings.

Admission to the Major

Grade-point average requirements vary and admission is competitive across the several programs in Music and Music Education. Validation of level of achievement in Theory, Class Music, and Applied Music is required for acceptance into four-year programs in accordance with the National Association of Schools of Music requirements for admission of transfer students. Admission to teacher licensure programs requires satisfactory scores on Praxis I and II.

Semester Hours Credit

GENERAL EDUCATION CORE ....(28 SHC)

English Composition...6 SHC

ENG 111	Expository Writing	3
	and	
ENG 112	Argument-Based Research	3
	or	
ENG 113	Literature-Based Research	3
	or	
ENG 114	Professional Research and Reporting	3

Humanities/Fine Arts...3 SHC

Select one of the following literature courses:

ENG 131	Introduction to Literature	3
ENG 231	American Literature I	3
ENG 232	American Literature II	3
ENG 233	Major American Writers	3
ENG 241	British Literature I	3
ENG 242	British Literature II	3
ENG 261	World Literature I	3
ENG 262	World Literature II	3

Speech/Communication. 3 SHC

COM 231 is recommended.

COM 110	Intro to Communication	3
	or	
COM 120	Interpersonal Communication	3
	or	
COM 140	Intro Intercultural Com	3
	or	
COM 231	Public Speaking	3

Social/Behavioral Sciences 9 SHC

Select three courses from three of the following areas: anthropology, economics, history, political science, psychology, and sociology. One course must be a history course. The following course is recommended: PSY 150.

1.	ANT 210	General Anthropology	3
	ANT 220	Cultural Anthropology	3
2.	ECO 151	Survey of Economics	3
	ECO 251	Prin of Microeconomics	3
	ECO 252	Prin of Macroeconomics	3
3.	HIS 115	Intro to Global History	3
	HIS 121	Western Civilization I	3
	HIS 122	Western Civilization II	3
	HIS 131	American History I	3
	HIS 132	American History II	3
4.	POL 110	Intro to Political Science	3
	POL 120	American Government	3
	POL 210	Comparative Government	3
	POL 220	International Relations	3
5.	PSY 150	General Psychology	3
	PSY 241	Developmental Psychology	3
	PSY 281	Abnormal Psychology	3
6.	SOC 210	Introduction to Sociology	3
	SOC 213	Sociology of the Family	3
	SOC 220	Social Problems	3
	SOC 230	Race and Ethnic Relations	3
	SOC 240	Social Psychology	3

Natural Sciences/Mathematics 7 SHC

Natural Sciences. 4 SHC

Select one course, including accompanying laboratory work, from the biological and/or physical science disciplines. Reminder: BIO 140, CHM 131, and PHY 110 have mandatory labs.

1.	BIO 110	Principles of Biology	4
	BIO 111	General Biology I	4
	BIO 130	Introductory Zoology	4
	BIO 140	Environmental Biology	3
	BIO 140A	Environmental Biology Lab	1
2.	CHM 131	Intro to Chemistry	3
	CHM 131A	Intro to Chemistry Lab	1
	CHM 151	General Chemistry I	4
3.	GEL 113	Historical Geology	4
	GEL 120	Physical Geology	4
4.	PHY 110	Conceptual Physics	3
	PHY 110A	Conceptual Physics Lab	1
	PHY 151	College Physics I	4

Math 3 SHC

One math is required. If students select a second math as an elective, they may not receive credits for any of these combinations: MAT 171/175 or MAT 172/175.

The following courses have mandatory labs: MAT 140, 171, and 175. These labs are electives and are listed in the Other Required Hours section of this program.

MAT 140	Survey of Mathematics	3
MAT 171	Precalculus Algebra	3
MAT 175	Precalculus	4

OTHER REQUIRED HOURS (36-37 SHC)

The following music courses are required (26 SHC):

MUS 121	Music Theory I	4
MUS 122	Music Theory II	4
MUS 151	Class Music I	1
MUS 152	Class Music II	1
MUS 161	Applied Music I	2
MUS 162	Applied Music II	2
MUS 221	Music Theory III	4
MUS 222	Music Theory IV	4
MUS 261	Applied Music III	2
MUS 262	Applied Music IV	2

Ensemble: 4 SHC should be selected from the following:

MUS 131	Chorus I	1
MUS 132	Chorus II	1
MUS 135	Jazz Ensemble I	1
MUS 136	Jazz Ensemble II	1
MUS 137	Orchestra I	1
MUS 138	Orchestra II	1
MUS 141	Ensemble I	1
MUS 142	Ensemble II	1
MUS 231	Chorus III	1
MUS 232	Chorus IV	1
MUS 235	Jazz Ensemble III	1
MUS 236	Jazz Ensemble IV	1
MUS 237	Orchestra III	1
MUS 238	Orchestra IV	1
MUS 241	Ensemble III	1
MUS 242	Ensemble IV	1
MUS 253	Big Band	1

6 SHC should be selected from unused music courses above and/or below:

MUS 110	Music Appreciation	3
MUS 111	Fundamentals of Music	3
MUS 112	Introduction to Jazz	3
MUS 114	Non-Western Music	3
MUS 123	Music Composition	1

MUS 175	Recording Techniques I	2
MUS 176	Recording Techniques II	2
MUS 210	History of Rock Music	3
MUS 211	History of Country Music	3
MUS 212	American Musical Theatre	3
MUS 214	Electronic Music I	2
MUS 215	Electronic Music II	2
MUS 251	Class Music III	1
MUS 252	Class Music IV	1
MUS 271	Music History I	3
MUS 272	Music History II	3

Additional hours may be selected from the following:

ACA 122	College Transfer Success	1
COE 111	Co-op Work Experience	1
MAT 140A	Survey of Mathematics Lab	1
MAT 171A	Precalculus Algebra Lab	1
MAT 175A	Precalculus Lab	1

Total Semester Hours of Other Required Hours...... 36-37

Students must meet the receiving university's foreign language and/or health and physical education requirements, if applicable, prior to or after transfer to the senior institution.

Recommended Courses: COM 231 and PSY 150

Sample Class Schedule for the Associate in Fine Arts: Music and Music Education

Fall Semester I	SHC
ENG 111	3
MUS 210	3
MUS 111	3
MUS 161	2
MUS 141	*1
HIS 121	3
	15

Spring Semester I	SHC
ENG 112	3
PSY 150	3
MUS 121	4
MUS 142	*1
MUS 162	2
MUS 211	3
	16

Summer Semester I	SHC
MAT 140/140A	4
	4

Fall Semester II	SHC
BIO 110	4
SOC 210	3
MUS 122	3
MUS 212	3
MUS 241	*1
MUS 261	2
	16

Spring Semester II	SHC
ENG 131	3
COM 231	3
MUS 123	1
MUS 242	*1
MUS 262	2
	13

Total Hours ....64 SHC

*Ensemble courses may be selected from Chorus, Jazz Ensemble, or Orchestra. The AFA requirements is for at least two consecutive courses in the same instrument or voice.

Note: Computer Competency must be demonstrated before the AFA can be awarded.

Note: Due to required courses for pre-major, no general education electives beyond those listed above are recommended.

ASSOCIATE IN ARTS DIPLOMA

General Studies

A.A. DIPLOMA (D10100)

(To be awarded this diploma, the entire general education core must be completed as outlined with a grade of "C" or better in each course.)

It is the responsibility of the student to know and to comply with the prerequisites and the corequisites listed in this catalog. If students have previous college credits from other institutions, students are advised to check first with a counselor at the receiving institution (the institution in which they plan to attend upon leaving CFCC). A counselor at the receiving institution should advise students of the courses to take at CFCC if the students have credits from other institutions. If students elect not to obtain an associate degree and receive the maximum benefit from the statewide Comprehensive Articulation Agreement, they are encouraged to

1) complete the general education core, which consists of a minimum of 44 semester hours and a maximum of 47 semester hours;
2) contact their CFCC advisor, register early, and pay their tuition on time; and
3) earn a grade of "C"or higher on the first attempt. While some institutions accept students with a 2.0 grade-point average, other institutions require at least a 2.5 grade-point average. Students must always comply with the new admission requirements.

Important Websites

a. The following website provides more CFCC college transfer and advising information: http://cfcc.edu/transfer/.

b. The following website lists the academic programs offered at the sixteen (16) UNC institutions: http://www.northcarolina.edu/programs/index.php.
c. The following website lists the academic programs offered at the private independent senior institutions in North Carolina: http://www.northcarolina.edu/content.php/assessment/reports/publications/api.htm
d. Students who need assistance in deciding their major may visit CFCC's Career and Testing Services or visit the website about academic majors from their institution of choice. Examples: http://www.uncwil.edu/stuaff/career/Majors or https://www1.cfnc.org/Plan/For_A_Career/_default.aspx.

This diploma is designed for transfer students who 1) do not wish to obtain a two-year associate degree, 2) plan to major in a program requiring a strong liberal arts background, and 3) want to receive the minimum benefit from the statewide Comprehensive Articulation Agreement by completing their basic studies requirement at a North Carolina community college.

Admission to some UNC institutions is very competitive.

The diploma for an associate in arts program must contain 44-47 semester hours and include the following:

- A total of 44-46 semester-hour credits (SHC) from the general education core, consisting of
  - a. 6 SHC of English composition
  - b. 12 SHC of humanities/fine arts
  - c. 12 SHC of social/behavioral sciences
  - d. 6 SHC of mathematics
  - e. 8 SHC of natural science.

- OPTIONAL: A transfer elective or a non-college transfer course of one (1) semester hour may be included as long as the course is listed in the two-year degree Associate in Arts: *General Studies* program. This credit hour is optional!

GENERAL EDUCATION CORE (44 - 46 SHC)

English Composition..6 SHC

ENG 111	Expository Writing	3
	and	
ENG 112	Argument-Based Research	3
	or	
ENG 113	Literature-Based Research	3
	or	
ENG 114	Professional Research and Reporting	3

Humanities/Fine Arts...9 SHC
Select three courses from at least two of the following areas: art, drama, foreign languages, interdisciplinary humanities, literature, music, philosophy, and religion. One course must be a literature course.

Reminder: Each foreign language course has a mandatory lab, which is listed in the "Other Required Hours" section.

1.	ART 111	Art Appreciation	3
	ART 114	Art History Survey I	3
	ART 115	Art History Survey II	3
	ART 116	Survey of American Art	3
	ART 117	Non-Western Art History	3
2.	DRA 111	Theatre Appreciation	3
	DRA 122	Oral Interpretation	3
	DRA 126	Storytelling	3
	DRA 211	Theatre History I	3
	DRA 212	Theatre History II	3
3.	ENG 131	Introduction to Literature	3
	ENG 231	American Literature I	3
	ENG 232	American Literature II	3
	ENG 233	Major American Writers	3
	ENG 241	British Literature I	3
	ENG 242	British Literature II	3
	ENG 261	World Literature I	3
	ENG 262	World Literature II	3
4.	FRE 111	Elementary French I	3
	FRE 112	Elementary French II	3
	FRE 211	Intermediate French I	3
	FRE 212	Intermediate French II	3
	GER 111	Elementary German I	3
	GER 112	Elementary German II	3
	GER 211	Intermediate German I	3
	GER 212	Intermediate German II	3
	SPA 111	Elementary Spanish I	3
	SPA 112	Elementary Spanish II	3
	SPA 211	Intermediate Spanish I	3
	SPA 212	Intermediate Spanish II	3
5.	HUM 110	Technology and Society	3
	HUM 115	Critical Thinking	3
	HUM 120	Cultural Studies	3
	HUM 121	The Nature of America	3
	HUM 122	Southern Culture	3
	HUM 130	Myth in Human Culture	3
	HUM 150	American Women's Studies	3
	HUM 160	Introduction to Film	3
	HUM 161	Advanced Film Studies	3
	HUM 220	Human Values and Meaning	3
6.	MUS 110	Music Appreciation	3
	MUS 112	Introduction to Jazz	3
	MUS 113	American Music	3
	MUS 114	Non-Western Music	3
	MUS 210	History of Rock Music	3
	MUS 211	History of Country Music	3
	MUS 212	American Musical Theatre	3

7.	PHI 210	History of Philosophy	3
	PHI 215	Philosophical Issues	3
	PHI 220	Western Philosophy I	3
	PHI 221	Western Philosophy II	3
	PHI 230	Introduction to Logic	3
	PHI 240	Introduction to Ethics	3

8.	REL 110	World Religions	3
	REL 111	Eastern Religions	3
	REL 112	Western Religions	3
	REL 211	Intro to Old Testament	3
	REL 212	Intro to New Testament	3
	REL 221	Religion in America	3

Speech/Communication 3 SHC

COM 231 is recommended.

COM 110	Intro to Communication	3
	or	
COM 120	Interpersonal Communication	3
	or	
COM 140	Intro Intercultural Com	3
	or	
COM 231	Public Speaking	3

Social/Behavioral Sciences 12 SHC

Select four courses from at least three of the following areas: anthropology, economics, history, political science, psychology, and sociology. One course must be a history course.

1.	ANT 210	General Anthropology	3
	ANT 220	Cultural Anthropology	3

2.	ECO 151	Survey of Economics	3
	ECO 251	Prin of Microeconomics	3
	ECO 252	Prin of Macroeconomics	3

3.	HIS 115	Intro to Global History	3
	HIS 121	Western Civilization I	3
	HIS 122	Western Civilization II	3
	HIS 131	American History I	3
	HIS 132	American History II	3

4.	POL 110	Intro to Political Science	3
	POL 120	American Government	3
	POL 210	Comparative Government	3
	POL 220	International Relations	3

5.	PSY 150	General Psychology	3
	PSY 241	Developmental Psychology	3
	PSY 281	Abnormal Psychology	3

6.	SOC 210	Introduction to Sociology	3
	SOC 213	Sociology of the Family	3
	SOC 220	Social Problems	3
	SOC 230	Race and Ethnic Relations	3
	SOC 240	Social Psychology	3

Natural Sciences/Mathematics 14 SHC

Natural Sciences 8 SHC

Select two courses, including accompanying laboratory work, from the biological and/or physical science disciplines. Reminder: BIO 140, CHM 131 and PHY 110 have mandatory labs.

1.	BIO 110	Principles of Biology	4
	BIO 111	General Biology I	4
	BIO 112	General Biology II	4
	BIO 130	Introductory to Zoology	4
	BIO 140	Environmental Biology	3
	BIO 140A	Environmental Biology	1

2.	CHM 131	Intro to Chemistry	3
	CHM 131A	Intro to Chemistry Lab	1
	CHM 151	General Chemistry I	4
	CHM 152	General Chemistry II	4

3.	GEL 113	Historical Geology	4
	GEL 120	Physical Geology	4

4.	PHY 110	Conceptual Physics	3
	PHY 110A	Conceptual Physics Lab	1
	PHY 151	College Physics I	4
	PHY 152	College Physics II	4

Math 6 SHC

Two courses are required. Select one or two courses from List I below or select the second course from List II below. Reminder: Students may not take any of these combinations: MAT 171/175 OR MAT 172/175.

The following courses have mandatory labs: MAT 140, 141, 142, 155, 171, 172, 175, and 263. These labs are electives and are listed in the Other Required Hours section of this program.

List I

MAT 140	Survey of Mathematics	3
MAT 141	Mathematical Concepts I	3
MAT 142	Mathematical Concepts II	3
MAT 171	Precalculus Algebra	3
MAT 172	Precalculus Trigonometry	3
MAT 175	Precalculus	4
MAT 263	Brief Calculus	3
MAT 271	Calculus I	4
MAT 272	Calculus II	4
MAT 273	Calculus III	4

List II

CIS 110	Introduction to Computers	3
MAT 155	Statistical Analysis	3

General Education Core (44-46 SHC)

OPTIONAL CREDIT HOUR................................(1 SHC)
An additional credit hour may be selected from one of the following:

- Any unused General Education Core courses
- The electives listed below
- Any unused electives listed in the "Other Required Hours" section of the Associate in Arts: General Studies program.

ACA 122	College Transfer Success	1
COE 111	Co-op Work Experience I	1
FRE 181	Elementary French Lab1	1
FRE 182	Elementary French Lab 2	1
GER 181	Elementary German Lab 1	1
GER 182	Elementary German Lab 2	1
MAT 140A	Survey of Mathematics Lab	1
MAT 141A	Mathematical Concept I Lab	1
MAT 142A	Mathematical Concept II Lab	1
MAT 155A	Statistical Analysis Lab	1
MAT 171A	Precalculus Algebra Lab	1
MAT 172A	Precalculus Trig Lab	1
MAT 175A	Precalculus Lab	1
MAT 263A	Brief Calculus Lab	1
PED 110	Fit and Well for Life	2
PED 113	Aerobics I	1
PED 117	Weight Training I	1
PED 120	Walking for Fitness	1
PED 124	Run, Swim, Cycle	1
PED 125	Self-Defense--Beginning	1
PED 128	Golf-Beginning	1
PED 130	Tennis-Beginning	1
PED 132	Racquetball - Beginning	1
PED 143	Volleyball-Beginning	1
PED 145	Basketball-Beginning	1
PED 147	Soccer	1
PED 148	Softball	1
PED 149	Flag Football	1
PED 154	Swimming for Fitness	1
PED 170	Backpacking	1
PED 210	Team Sports	1
PED 211	New Games	1
PED 216	Indoor Cycling	1
PED 219	Disc Golf	1
SPA 181	Elementary Spanish Lab 1	1
SPA 182	Elementary Spanish Lab 2	1

Total Requirement in Semester Hours...................... 44-47

Students must meet the receiving university's foreign language and/or health and physical education requirements, if applicable, prior to or after transfer to the senior institution.

ASSOCIATE IN SCIENCE DIPLOMA

General Studies

A.A. DIPLOMA (D10400)

(To be awarded this diploma, the entire general education core must be completed as outlined with a grade of "C" or better in each course.)

It is the responsibility of the student to know and to comply with the prerequisites and the corequisites listed in this catalog. If students have previous college credits from other institutions, students are advised to first check with a counselor at the receiving institution (the institution in which they plan to attend upon leaving CFCC). A counselor at the receiving institution should advise students of the courses to take at CFCC if the students have credits from other institutions. If students elect not to obtain an associate degree and receive the maximum benefit from the statewide Comprehensive Articulation Agreement, they are encouraged to

1) complete the general education core, which consists of a minimum of 44 semester hours and a maximum of 47 semester hours;
2) contact their CFCC advisor, register early, and pay their tuition on time; and
3) earn a grade of "C"or higher on the first attempt. While some UNC institutions accept students with a 2.0 grade-point average, other UNC institutions require at least a 2.5 grade-point average. Students must always comply with the admission requirements of the receiving institution.

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a. The following website provides more CFCC college transfer and advising information: http://cfcc.edu/transfer/.
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c. The following website lists the academic programs offered at the private independent senior institutions in North Carolina: http://www.northcarolina.edu/content.php/assessment/reports/publications/api.htm
d. Students who need assistance in deciding their major may visit CFCC's Career and Testing Services or visit the website about academic majors from their institution of choice. Examples: http://www.uncwil.edu/stuaff/career/Majors or https://www1.cfnc.org/Plan/For_A_Career/_default.aspx.

This diploma is designed for transfer students who 1) do not wish to obtain a two-year associate degree, 2) plan to major in a program requiring a strong math/science background, and 3) want to receive the minimum benefit from the statewide Comprehensive Articulation Agreement by completing their basic studies requirement at a North Carolina community college.

Admission to some UNC institutions is very competitive.

The diploma for an associate in science program must contain 44-47 semester hours and include the following:

- A total of 44-46 semester-hour credits (SHC) from the general education core, consisting of
  - a. 6 SHC of English composition
  - b. 9 SHC of humanities/fine arts
  - c. 9 SHC of social/behavioral sciences
  - d. 20 SHC of natural sciences and mathematics, which includes a minimum of 6 SHC or mathematics and 8 SHC of natural sciences.
- OPTIONAL: A transfer elective or a non-college transfer course of one (1) semester hour may be included as long as the course is listed in the two-year degree *Associate in Science: General Studies* program. This credit hour is optional!

GENERAL EDUCATION CORE ....44 SHC

English Composition..6 SHC

ENG 111	Expository Writing	3
	and	
ENG 112	Argument-Based Research	3
	or	
ENG 113	Literature-Based Research	3
	or	
ENG 114	Professional Research and Reporting	3

Humanities/Fine Arts...9 SHC

Select two courses from two of the following areas: art, drama, elementary foreign languages, interdisciplinary humanities, literature, music, philosophy, and religion. One course must be a literature course. Reminder: Each elementary foreign language course has a mandatory lab.

1.	ART 111	Art Appreciation	3
	ART 114	Art History Survey I	3
	ART 115	Art History Survey II	3
	ART 116	Survey of American Art	3
	ART 117	Non-Western Art History	3
2.	DRA 111	Theatre Appreciation	3
	DRA 122	Oral Interpretation	3
	DRA 126	Storytelling	3
	DRA 211	Theatre History I	3
	DRA 212	Theatre History II	3
3.	ENG 131	Introduction to Literature	3
	ENG 231	American Literature I	3
	ENG 232	American Literature II	3
	ENG 233	Major American Writers	3
	ENG 241	British Literature I	3
	ENG 242	British Literature II	3
	ENG 261	World Literature I	3
	ENG 262	World Literature II	3
4.	FRE 111	Elementary French I	3
	FRE 112	Elementary French II	3
	FRE 211	Intermediate French I	3
	FRE 212	Intermediate French II	3
	GER 111	Elementary German I	3
	GER 112	Elementary German II	3
	GER 211	Intermediate German I	3
	GER 212	Intermediate German II	3
	SPA 111	Elementary Spanish I	3
	SPA 112	Elementary Spanish II	3
	SPA 211	Intermediate Spanish I	3
	SPA 212	Intermediate Spanish II	3
5.	HUM 110	Technology and Society	3
	HUM 115	Critical Thinking	3
	HUM 120	Cultural Studies	3
	HUM 121	The Nature of America	3
	HUM 122	Southern Culture	3
	HUM 130	Myth in Human Culture	3
	HUM 150	American Women's Studies	3
	HUM 160	Introduction to Film	3
	HUM 161	Advanced Film Studies	3
	HUM 220	Human Values and Meaning	3
6.	MUS 110	Music Appreciation	3
	MUS 112	Introduction to Jazz	3
	MUS 113	American Music	3
	MUS 114	Non-Western Music	3
	MUS 210	History of Rock Music	3
	MUS 211	History of Country Music	3
	MUS 212	American Musical Theatre	3
7.	PHI 210	History of Philosophy	3
	PHI 215	Philosophical Issues	3
	PHI 220	Western Philosophy I	3
	PHI 221	Western Philosophy II	3
	PHI 230	Introduction to Logic	3
	PHI 240	Introduction to Ethics	3
8.	REL 110	World Religions	3
	REL 111	Eastern Religions	3
	REL 112	Western Religions	3
	REL 211	Intro to Old Testament	3
	REL 212	Intro to New Testament	3
	REL 221	Religion in America	3

One of the courses below is required to substitute for 3 SHC of Humanities/Fine art. COM 231 is recommended.

COM 110	Intro to Communication	3
	or	
COM 120	Interpersonal Communication	3
	or	
COM 140	Intro Intercultural Com	3
	or	
COM 231	Public Speaking	3

Social/Behavioral Sciences .... 9 SHC

Select three courses from three of the following areas: anthropology, history, economics, political science, psychology, and sociology. One course must be a history course.

1.	ANT 210	General Anthropology	3
	ANT 220	Cultural Anthropology	3
2.	ECO 151	Survey of Economics	3
	ECO 251	Prin of Microeconomics	3
	ECO 252	Prin of Macroeconomics	3
3.	HIS 115	Intro to Global History	3
	HIS 121	Western Civilization I	3
	HIS 122	Western Civilization II	3
	HIS 131	American History I	3
	HIS 132	American History II	3
4.	POL 110	Intro to Political Science	3
	POL 120	American Government	3
	POL 210	Comparative Government	3
	POL 220	International Relations	3
5.	PSY 150	General Psychology	3
	PSY 241	Developmental Psych	3
	PSY 281	Abnormal Psychology	3
6.	SOC 210	Introduction to Sociology	3
	SOC 213	Sociology of the Family	3
	SOC 220	Social Problems	3
	SOC 230	Race and Ethnic Relations	3
	SOC 240	Social Psychology	3

Natural Sciences/Mathematics .... 20 SHC

Natural Sciences .... 8 SHC

Select a two-course sequence in general biology, general chemistry, or general physics.

1.	BIO 111	General Biology I	4
	BIO 112	General Biology II	4
2.	CHM 151	General Chemistry I	4
	CHM 152	General Chemistry II	4
3.	PHY 151	College Physics I	4
	PHY 152	College Physics II	4

Math .... 6 SHC

Two courses are required. Select one or two courses from List I below or select the second course from List II below. Reminder: Students may not take any of these combinations: MAT 171/175 OR MAT 172/175.

The following courses have mandatory labs: MAT 155, 171, 172, and 175. These labs are electives and are listed in the "Other Required Hours" section of this program.

List I

MAT 171	Precalculus Algebra	3
MAT 172	Precalculus Trigonometry	3
MAT 175	Precalculus	4
MAT 271	Calculus I	4
MAT 272	Calculus II	4
MAT 273	Calculus III	4

List II

CIS 110	Introduction to Computers	3
MAT 155	Statistical Analysis	3

Additional Hours... 6 SHC

Six additional hours must be selected from courses designated as Natural Sciences/Mathematics general education transfer courses. The following are included: Math and Science courses listed above, BIO 130, BIO140/140A, CIS 115, GEL 113, GEL 120, MAT 155, and PHY 110.

General Education Core .... 44-46 SHC

OPTIONAL CREDIT HOUR .... (1 SHC)

An additional credit hour may be selected from one of the following:

a. Any unused General Education Core courses
b. The electives listed below
c. Any unused electives listed in the "Other Required Hours" section of the *Associate in Science: General Studies* program..

ACA 122	College Transfer Success	1
COE 111	Co-op Work Experience I	1
FRE 181	Elementary French Lab1	1
FRE 182	Elementary French Lab 2	1
GER 181	Elementary German Lab 1	1
GER 182	Elementary German Lab 2	1
MAT 155A	Statistical Analysis Lab	1
MAT 171A	Precalculus Algebra Lab	1
MAT 172A	Precalculus Trig Lab	1
MAT 175A	Precalculus Lab	1
PED 110	Fit and Well for Life	2
PED 113	Aerobics I	1
PED 117	Weight Training I	1
PED 120	Walking for Fitness	1
PED 124	Run, Swim, Cycle	1
PED 125	Self-Defense--Beginning	1
PED 128	Golf-Beginning	1
PED 130	Tennis-Beginning	1
PED 132	Racquetball - Beginning	1
PED 143	Volleyball-Beginning	1
PED 145	Basketball-Beginning	1
PED 147	Soccer	1
PED 148	Softball	1
PED 149	Flag Football	1
PED 154	Swimming for Fitness	1
PED 170	Backpacking	1
PED 210	Team Sports	1
PED 211	New Games	1
PED 216	Indoor Cycling	1
PED 219	Disc Golf	1
SPA 181	Elementary Spanish Lab 1	1
SPA 182	Elementary Spanish Lab 2	1

Total Requirement in Semester Hours 44-47

Students must meet the receiving university's foreign language and/or health and physical education requirements, if applicable, prior to or after transfer to the senior institution.

Recommended course: COM 231.

ASSOCIATE IN GENERAL EDUCATION

A.G.E. DEGREE (A10300)

The Associate in General Education (AGE) curriculum is designed for individuals who wish to broaden their education, with emphasis on personal interest, growth, and development. The two year General Education program provides students opportunities to study English, literature, fine arts, philosophy, social science, and science and mathematics at the college level. All courses in the program are college-level courses which can be selected based upon a student's personal interests rather than specific technical or professional requirements. Many of the courses are equivalent to college transfer courses; however, the program is not principally designed for college transfer

I. General Education Courses

		Semester Hour Credits
ENG 111	Expository Writing	3
ENG 114	Professional Research and Reporting	3
Humanities/Fine Arts Elective		3
Social/Behavioral Sciences Elective		3
Natural Sciences/Mathematics Elective		3

II. Major Courses

CIS 110	Introduction to Computers	3
	or	
CIS 111	Basic PC Literacy	2
Free Electives		47

Free electives may be any college transfer or vocational technical course as selected by the student and approved by the student's advisor. CJC 100 and TRP 100 do not meet the requirements for this degree.

No financial assistance is available for free elective courses taken from curriculum programs that are ineligible for financial aid. Additional information is available in the Financial Aid Office.

Total Credits 64/65

ASSOCIATE IN APPLIED SCIENCE, DIPLOMA, AND CERTIFICATE PROGRAMS

Accounting

A.A.S. DEGREE (A25100)
DIPLOMA (D25100)
CERTIFICATE (C25100)

Associate in Applied Science Program

The Accounting curriculum is designed to provide students with the knowledge and the skills necessary for employment and growth in the accounting profession. Using the language of business, accountants assemble and analyze, process, and communicate essential information about financial operations.

In addition to course work in accounting principles, theories, and practice, students will study business law, finance, management, and economics. Related skills are developed through the study of communications, computer applications, financial analysis, critical thinking skills, and ethics.

Graduates should qualify for entry-level accounting positions in many types of organizations including accounting firms, small businesses, manufacturing firms, banks, hospitals, school systems, and governmental agencies. With work experience and additional education, an individual may advance in the accounting profession.

I. General Education Courses

		Semester Hour Credits
ENG 111	Expository Writing	3
ENG 114	Professional Research & Reporting	3
3 SHC Natural Science, or Math 140/140A or higher		3/4
Social/Behavioral Science Elective		3
Humanities/Fine Arts Elective		3

II. Major Courses

ACC 120	Principles of Financial Accounting I	4
ACC 121	Principles of Managerial Accounting	4
ACC 122	Principles of Financial Accounting II	3
ACC 129	Individual Income Taxes	3
ACC 130	Business Income Tax	3
ACC 140	Payroll Accounting	2
ACC 150	Accounting Software Applications	2
ACC 220	Intermediate Accounting I	4
ACC 221	Intermediate Accounting II	4
ACC 225	Cost Accounting	3
BUS 115	Business Law	3

BUS 121	Business Math	3
BUS 137	Principles of Management	3
BUS 225	Business Finance	3
CIS 110	Intro to Computers	3
CTS 130	Spreadsheet Concepts	3
ECO 151	Survey of Economics	3

III. Accounting Electives

Students are required to take at least 3 SHC from the following:

BUS 125	Personal Finance	3
BUS 239	Business Applications Seminar	2
BUS 280	R.E.A.L. Small Business	4
COE 111(AC)	Co-op Experience I	1
COE 121(AC)	Co-op Experience II	1
COE 131(AC)	Co-op Experience III	1
DBA 110	Database Concepts	3
OST 136	Word Processing	3
MKT 120	Principles of Marketing	3
MKT 223	Customer Service	3

Total Credits 72/73

FALL SEMESTER I	FALL SEMESTER II
ACC 120	ACC 129
BUS 115	ACC 220
BUS 121	ACC 225
CIS 110	BUS 225
ENG 111	ECO 151
Social/Behav Science Elect	

SPRING SEMESTER I	SPRING SEMESTER II
ACC 121	Accounting Elective
ACC 122	ACC 130
BUS 137	ACC 140
ENG 114	ACC 150
3 SHC Natural Science,	ACC 221
or MAT 140/140A or higher	CTS 130
Humanities/Fine Arts Elect	

Accounting

Diploma Program

The courses in this diploma program will transfer into the Associate in Applied Science Degree program.

FALL SEMESTER I	FALL SEMESTER II
ACC 120	Accounting Elective
BUS 115	ACC 129
BUS 121	CTS 130
CIS 110	ECO 151
ENG 111	

SPRING SEMESTER I

ACC 121
ACC 122
ACC 140
ACC 150

Total Credits 36

Accounting

Certificate Program

This program is designed to prepare students to perform fundamental accounting applications. Students that enter this program will have specific training in basic financial accounting, payroll, and accounting technology, including instruction in computer technology and software specific to the accounting field. The courses in this certificate program will transfer into the Associate of Applied Science Degree and the Diploma in Accounting.

FALL SEMESTER I	SPRING SEMESTER I
ACC 120	ACC 122
CIS 110	ACC 140
	ACC 150
	CTS 130

Total Credits 17

Air Conditioning, Heating, and Refrigeration Technology

DIPLOMA (D35100)
CERTIFICATE (C35100)

Diploma Program

The Air Conditioning, Heating, and Refrigeration Technology curriculum provides the basic knowledge to develop skills necessary to work with residential and light commercial systems.

Topics include mechanical refrigeration, heating and cooling theory, electricity, controls, and safety. The diploma program covers air conditioning, furnaces, heat pumps, tools, and instruments.

Diploma graduates should be able to assist in the start-up, preventive maintenance, service, repair, and/or installation of residential and light commercial systems.

Semester Hour Credits

I. General Education Courses

ENG 101	Applied Communications I	3
MAT 101	Applied Mathematics I	3

II. Major Courses

AHR 110	Introduction to Refrigeration	5
AHR 111	HVACR Electricity	3
AHR 112	Heating Technology	4
AHR 113	Comfort Cooling	4
AHR 114	Heat Pump Technology	4
AHR 115	Refrigeration Systems	2
AHR 130	HVAC Controls	3

AHR 133	HVAC Servicing	4
AHR 140	All-Weather Systems I	2
AHR 210	Residential Building Code	2
AHR 211	Residential System Design	3
CIS 111	Basic PC Literacy	2

Total Credits 44

FALL SEMESTER I	SUMMER SEMESTER I
AHR 110	AHR 113
AHR 111	AHR 140
AHR 112	AHR 211
AHR 210	CIS 111
MAT 101	

SPRING SEMESTER I
AHR 114
AHR 115
AHR 130
AHR 133
ENG 101

Air Conditioning, Heating, and Refrigeration Technology

Certificate Program *(EVENINGS)*

FALL SEMESTER I	SPRING SEMESTER I
AHR 110	AHR 114
AHR 111	

Total Credits 12

Architectural Technology

A.A.S. DEGREE (A40100)

Associate in Applied Science Program

The Architectural Technology curriculum prepares individuals with knowledge and skills that can lead to employment in the field of architecture or one of the associated professions.

Students receive instruction in construction document preparation, materials and methods, environmental and structural systems, building codes and specifications, and computer applications as well as complete a design project. Optional courses may be provided to suit specific career needs.

Upon completion, graduates have career opportunities within the architectural, engineering, and construction professions as well as positions in industry and government. A strong emphasis on sustainable design and construction techniques is included.

Semester Hour Credits

I. General Education Courses

COM 110	Intro to Communication	3
ENG 111	Expository Writing	3
Humanities/Fine Arts Elective		3
MAT 121	Algebra/Trigonometry I	3
Social/Behavioral Science Elective		3

II. Major Courses

ARC 111	Introduction to Architectural Technology	3
ARC 112	Construction Materials and Methods	4
ARC 113	Residential Architectural Technology	3
ARC 114	Architectural CAD	2
ARC 114A	Architectural CAD Lab	1
ARC 131	Building Codes	3
ARC 211	Light Construction Technology	3
ARC 213	Design Project	4
ARC 220	Advanced Architect CAD	2
ARC 221	Architectural 3-D CAD	3
ARC 230	Environmental Systems	4
ARC 231	Architectural Presentations	4
ARC 235	Architectural Portfolio	3
ARC 241	Contract Administration	2
ARC 250	Survey of Architecture	3
ARC 264	Digital Architecture	2
CIS 111	Basic PC Literacy	2
MAT 122	Algebra/Trigonometry II	3
PHY 131	Physics/Mechanics	4

Total Credits 70

FALL SEMESTER I	FALL SEMESTER II
ARC 111	ARC 211
ARC 112	ARC 221
CIS 111	ARC 231
ENG 111	Social/Behav.Science Elect
MAT 121	

SPRING SEMESTER I	SPRING SEMESTER II
ARC 113	ARC 213
ARC 114	ARC 235
ARC 114A	ARC 241
ARC 131	ARC 250
COM 110	ARC 264
MAT 122	Humanities/Fine Arts Elect

SUMMER SEMESTER I
ARC 220
ARC 230
PHY 131

Associate Degree Nursing (RN)

See Nursing Programs page 195.

Automotive Mechanics

(Automotive Systems Technology)

A.A.S. DEGREE (A60160)
CERTIFICATE (C60160A)

Associate in Applied Science Program

The curriculum prepares individuals for employment as automotive service technicians. It provides an introduction to automotive careers and increases student awareness of the challenges associated with this fast and ever-changing field.

Classroom and lab experiences integrate technical and academic coursework. Emphasis is placed on theory, servicing and operation of brakes, electrical/electronic systems, engine performance, steering/suspension, automatic transmission/transaxles, engine repair, climate control, and manual drive trains.

Upon completion of this curriculum, students should be prepared to take the ASE exam and be ready for full-time employment in dealerships and repair shops in the automotive service industry.

Semester Hour Credits

I. General Education Courses

ENG 111	Expository Writing	3
Humanities/Fine Art Elective		3
MAT 120	Geometry and Trigonometry	3
Social/Behavioral Science Elective		3
Communications Elective (Choose from below)		3

Students are required to take 3 SHC from the following:

COM 110 Introduction to Communication	3
COM 120 Interpersonal Communication	3
COM 231 Public Speaking	3

II. Major Courses

AUT 110	Intro to Auto Technology	3
AUT 116	Engine Repair	3
AUT 116A	Engine Repair Lab	1
AUT 123	Powertrain Diagnosis/Service	2
AUT 141	Suspension & Steering Systems	3
AUT 141A	Suspension & Steering Systems Lab	1
AUT 151	Brake Systems	3
AUT 151A	Brake Systems Lab	1
AUT 161	Basic Auto Electricity	5
AUT 163	Advanced Auto Electricity/Electronics	3
AUT 163A	Advanced Auto Electricity/Electronics Lab	1
AUT 171	Auto Climate Control	4
AUT 181	Engine Performance 1	3
AUT 181A	Engine Performance 1 Lab	1
AUT 212	Auto Shop Management	3
AUT 213	Automotive Servicing 2	2
AUT 221	Automatic Transmissions/Transaxles	3
AUT 221A	Automatic Transmissions/Transaxles Lab	1
AUT 231	Manual Trans/Ax/Drivetrains	3
AUT 231A	Manual Trans/Ax/Drivetrains Lab	1
AUT 281	Advanced Engine Performance	3
AUT 283	Advanced Automotive Electronics	3
AUT 285	Intro to Alternative Fuels	3
CIS 111	Basic PC Literacy	2

Total Credits 73

FALL SEMESTER I	**FALL SEMESTER II**
AUT 110	AUT 116
AUT 151	AUT 116A
AUT 151A	AUT 123
AUT 161	AUT 281
Communication Elective	AUT 283
	MAT 120

SPRING SEMESTER I	**SPRING SEMESTER II**
AUT 141	AUT 221
AUT 141A	AUT 221A
AUT 163	AUT 231
AUT 163A	AUT 231A
AUT 213	AUT 285
CIS 111	ENG 111
	Social/Behav.Science Elect

SUMMER SEMESTER I
AUT 181
AUT 181A
AUT 171
AUT 212
Humanities/Fine Art Elect

Automotive Mechanics

Certificate Program

FALL SEMESTER I	**SPRING SEMESTER I**
AUT 110	AUT 141
AUT 151	AUT 141A
AUT 151A	CIS 111

SUMMER SEMESTER I
AUT 171

Total Credits 17

Basic Law Enforcement Training

CERTIFICATE (C55120)

Certificate Program

Basic Law Enforcement Training (BLET) is designed to give students essential skills required for entry-level employment as law enforcement officers with state, county, or municipal governments, or with private enterprise.

This program utilizes State commission-mandated topics and methods of instruction. General subjects include, but are not limited to, criminal, juvenile, civil, traffic, and alcohol beverage laws; investigative, patrol, custody, and court procedures; emergency responses; and ethics and community relations.

Students must successfully complete and pass all units of study, which include the certification examination mandated by the North Carolina Criminal Justice Education and Training Standards Commission and the North Carolina Sheriffs' Education and Training Standards Commission, to receive a certificate.

Job opportunities are available with state, county, and municipal governments in North Carolina. In addition, knowledge, skills, and abilities acquired in this course of study qualify one for job opportunities with private enterprises in such areas as industrial, retail, and private security.

Students who successfully complete the BLET Program can receive credit for CJC 120, CJC 131 and CJC 221.

CJC 100 - Law Enforcement Training

Prerequisite: Approval of BLET Director, a minimum reading score of 41 on ASSET, a minimum score of 80 on Accuplacer (CPT), and 81 on COMPASS are required, and a sponsorship letter is recommended.

The following items are required for admission to the BLET program:
Must be at least 20 years of age
Must have a valid North Carolina driver's license
Must submit a Medical Examination Form completed by a North Carolina licensed physician
Must provide a Certified Criminal History Check report
Must be a citizen of the United States

This course is designed to provide the student with basic skills and basic knowledge necessary to perform those tasks essential to function in law enforcement. The course consists of 624 hours of instruction in the following topic areas:

Course Orientation	6
Physical Fitness Training	54
Ethics of Professional Law Enforcement	4
Arrest, Search & Seizure/Constitutional Law	28
Elements of Criminal Law	24
Communication Skills for Law Enforcement Officers	8
Law Enforcement Radio Procedures & Communication Systems	8
Field Notetaking & Report Writing	12
Interviews: Field & In-Custody	16
Subject Control/Arrest Techniques	40
Juvenile Laws & Procedures	10
Fingerprinting & Photographing Arrestees	6
Dealing with Victims & the Public	10
Firearms	48
Criminal Investigation	34
ABC Laws and Procedures	4
Motor Vehicle Law	20
Law Enforcement Driver Training	40
Crime Prevention Techniques	6
First Responder	32
Domestic Violence Response	12
Controlled Substances	12
Techniques of Traffic Law Enforcement	24
In-Custody Transportation	8
Traffic Accident Investigation	20
Explosives & Hazardous Material Emergencies	12
Individuals with Mental Illness and Retardation	8
Crowd Management	12
Preparing for & Testifying In Court	12
Patrol Techniques	26
Sheriff's Responsibilities: Detention Duties	4
Sheriff's Responsibilities: Court Duties	6
Civil Process	24
Testing	22
Anti-Terrorism	4
Rapid Deployment	8
Total Hours	**624**
Total Credits	**19**

Boat Building (Wooden)

DIPLOMA (D35120)
CERTIFICATE (C35120)

Diploma Program

The Boat Building curriculum prepares individuals for employment in the boat manufacturing and repair industry. Today's boat builders are skilled craftspeople who can create complex shapes out of wood.

Course work includes reading marine blueprints, lofting, rigging, constructing bird cages, building forms, and the safe and proper use of hand and power tools. Wooden boat building, production mold making, and interior cabinetry and joinery are also covered.

Graduates may find employment with yacht manufacturers or with other companies needing wood furniture or moldings fabricated and installed. Other employment opportunities can be found in boat maintenance and repair yards.

Semester Hour Credits

I. General Education Courses

ENG 101	Applied Communications I	3
MAT 101	Applied Mathematics I	3

II. Major Courses

BTB 101	Boat Building I	10
BTB 102	Boat Building II	9
BTB 103	Yacht Joiner Practices I	4
BTB 104	Yacht Joiner Practices II	3
BTB 105	Yacht Repair/Renovation	5
CIS 111	Basic PC Literacy	2
DFT 100	Marine Drafting	2
BTB 109	Yacht Rigging	2

Total Credits **43**

FALL SEMESTER I	SUMMER SEMESTER I
BTB 101	BTB 104
CIS 111	BTB 105
DFT 100	BTB 109
MAT 101	

SPRING SEMESTER I
BTB 102
BTB 103
ENG 101

Boat Building
Certificate Program
(EVENINGS)

Semester Hour Credits

Major Courses

BTB 101A	Boat Building IA	5
BTB 101B	Boat Building IB	5
DFT 100	Marine Drafting	2

Total Credits **12**

FALL SEMESTER I	SPRING SEMESTER I
BTB 101A	BTB 101B
DFT 100	

Boat Manufacture and Service
DIPLOMA (D60330)

Diploma Program

The Boat Manufacture and Service Technology program prepares students for employment in the manufacture and service of boats. Students learn the basics of boat design and the implementation of those designs in various components and/or complete boats or yachts.

Course work includes reading and interpreting marine blueprints, manuals, and other documents common to the industry; lofting; constructing forms and mold-making; application of concepts and techniques in composite, and fiberglass; marine woodworking; interior finishing; and marine mechanical, electrical, and plumbing systems.

Graduates may find employment with boat/yacht manufacturers, service yards, dealerships doing commissioning work, and companies doing custom boat building.

Semester Hour Credits

I. General Education Courses

CIS 111	Basic PC Literacy	2
ENG 101	Applied Communications I	3
MAT 101	Applied Mathematics I	3

II. Major Courses

Select a minimum of 12 hours:

BTB 110	Fiberglass Boat Building I	5
BTB 111	Fiberglass Boat Building II	5
BTB 112	Fiberglass Boat Repairs	3

III. Required Subject Area

Marine Services

BTB 106	Engine Install/Systems	5
BTB 107	Boat Electrical Systems	5
BTB 108	Boat Plumbing Systems	6

Total Credits **37**

FALL SEMESTER I	SUMMER SEMESTER I
BTB 107	BTB 111
BTB 108	BTB 112
MAT 101	CIS 111

SPRING SEMESTER I
BTB 106
BTB 110
ENG 101

Business Administration

A.A.S. DEGREE (A25120)
CERTIFICATE - Banking and Finance (C25120B)
CERTIFICATE - Customer Service (C25120)
CERTIFICATE - Entrepreneurship (C25120E)

Associate in Applied Science Program

The Business Administration curriculum is designed to introduce students to the various aspects of the free enterprise system. Students will be provided with fundamental knowledge of business functions, processes, and an understanding of business organizations in today's global economy. Course work includes business concepts such as accounting, business law, economics, management, and marketing. Skills related to the application of these concepts are developed through the study of computer applications, communication, team building, and decision making. Through these skills, students will have a sound business education base for lifelong learning. Graduates are prepared for employment opportunities in government agencies, financial institutions, and large to small business or industry.

Semester Hour Credits

I. General Education Courses

ENG 111	Expository Writing	3
ENG 114	Professional Research & Reporting	3
Humanities/Fine Arts Elective		3
3 SHC Natural Science, or MAT 115 or higher		3
Social/Behavioral Science Elective		3

II. Major Courses

ACC 120	Principles of Financial Accounting I	4
ACC 122	Principles of Financial Accounting II	3
ACC 129	Individual Income Taxes	3
BUS 115	Business Law	3
BUS 121	Business Math	3
BUS 125	Personal Finance	3
BUS 137	Principles of Management	3
BUS 225	Business Finance	3
BUS 239	Business Applications Seminar	2
BUS 240	Business Ethics	3
BUS 260	Business Communication	3
CIS 111	Basic PC Literacy	2
CTS 130	Spreadsheet Concepts	3
ECO 151	Survey of Economics	3
MKT 120	Principles of Marketing	3
OMT 156	Problem Solving Skills	3
PMT 110	Introduction to Project Management	3

III. Business Administration Electives

Students are required to take at least 6 SHC from the following:

ACC 121	Principles of Managerial Accounting	4
ACC 150	Accounting Software Applications	2
ACC 220	Intermediate Accounting I	4
BAF 110	Principles of Banking	3
BAF 111	Teller Training	3
BAF 232	Consumer Lending	3
BUS 230	Small Business Management	3
BUS 280	R.E.A.L. Small Business	4
COE 111(BA)	Co-op Work Experience I	1
COE 121(BA)	Co-op Work Experience II	1
COE 131(BA)	Co-op Work Experience III	1
DBA 110	Database Concepts	3
MKT 121	Retailing	3
MKT 223	Customer Service	3
MKT 224	International Marketing	3
SPA 111	Elementary Spanish I	3
SPA 112	Elementary Spanish II	3

Total Credits 71

FALL SEMESTER I	FALL SEMESTER II
ACC 120	ACC 129
BUS 115	BUS 225
BUS 121	BUS 240
CIS 111	ECO 151
ENG 111	MKT 120
BUS 137	OMT 156

SPRING SEMESTER I	SPRING SEMESTER II
ACC 122	BUS 239
BUS 125	CTS 130
BUS 260	PMT 110
Business Elective	Business Elective
ENG 114	Humanities/Fine Arts Elect
3 SHC Natural Science, or MAT 115 or higher	Social/Behav Science Elect

Business Administration Banking and Finance

Certificate Program

Banking and finance is a concentration under the title of Business Administration. This curriculum is designed to prepare individuals for a career with various financial institutions and other businesses.

Semester Hour Credits

Major Courses

BAF 110	Principles of Banking	3
BAF 111	Teller Training	3
BAF 232	Consumer Lending	3
BUS 125	Personal Finance	3
CIS 111	Basic PC Literacy	2
MKT 223	Customer Service	3

Total Credits 17

FALL SEMESTER I	SPRING SEMESTER I
BAF 110	BAF 232
BAF 111	BUS 125
CIS 111	MKT 223

Customer Service
Certificate Program

This program stresses the importance of customer relations in the business world. Emphasis is placed on developing communication tools, understanding the business environment and learning how to respond to complex customer requirements and to efficiently handle stressful situations. Upon completion, students should be able to demonstrate the ability to understand and communicate with customers and resolve problems and complaints.

Semester Hour Credits

Major Courses

BUS 121	Business Math	3
BUS 137	Principles of Management	3
BUS 240	Business Ethics	3
CIS 111	Basic PC Literacy	2
MKT 120	Principles of Marketing	3
	or	
BUS 121	Business Math	3
MKT 223	Customer Service	3

Total Credits 14

FALL SEMESTER I	**SPRING SEMESTER I**
BUS 137	MKT 120 or BUS 121
BUS 240	MKT 223
CIS 111	

Entrepreneurship
Certificate Program

Semester Hour Credits

Major Courses

CIS 111	Basic PC Literacy	2
BUS 121	Business Math	3
MKT 120	Principles of Marketing	3
BUS 230	Small Business Management	3
MKT 123	Fundamentals of Selling	3
MKT 223	Customer Service	3

Total Credits 17

FALL SEMESTER I	**SPRING SEMESTER I**
CIS 111	BUS 230
BUS 121	MKT 123
MKT 120	MKT 223

Carpentry

DIPLOMA (D35180)
CERTIFICATE (C35180)

Diploma Program

The Carpentry curriculum is designed to train students to construct residential structures using standard building materials and hand and power tools. Carpentry skills and a general knowledge of residential construction will also be taught.

Course work includes footings and foundations, framing, interior and exterior trim, cabinetry, blueprint reading, residential planning and estimating, and other related topics. Students will develop skills through hands-on participation.

Graduates should qualify for employment in the residential building construction field as rough carpenters, framing carpenters, roofers, maintenance carpenters and other related jobs.

Semester Hour Credits

I. General Education Courses

ENG 101	Applied Communications I	3
MAT 101	Applied Mathematics I	3

II. Major Courses

BPR 130	Blueprint Reading/Construction	2
CAR 110	Introduction to Carpentry	2
CAR 111	Carpentry I	8
CAR 112	Carpentry II	8
CAR 113	Carpentry III	6
CAR 114	Residential Building Codes	3
CAR 115	Residential Planning/Estimating	3

Total Credits 38

FALL SEMESTER I	**SUMMER SEMESTER I**
CAR 110	CAR 113
CAR 111	CAR 114
BPR 130	
MAT 101	

SPRING SEMESTER I
CAR 112
CAR 115
ENG 101

Carpentry
Certificate Program

Semester Hour Credits

Major Courses

BPR 130	Blueprint Reading/Construction	2
CAR 110	Introduction to Carpentry	2
CAR 111	Carpentry I	8
CAR 114	Residential Building Codes	3
CAR 115	Residential Planning/Estimating	3

Total Credits 18

FALL SEMESTER I
BPR 130
CAR 110
CAR 111

SPRING SEMESTER I
CAR 115

SUMMER SEMESTER I
CAR 114

Chemical Technology

A.A.S. DEGREE (A20120)

Associate in Applied Science Program

The Chemical Technology curriculum prepares individuals for work as analytical technicians in chemical laboratories associated with chemical production, environmental concerns, pharmaceuticals, or general analysis.

Course work includes general chemistry, organic chemistry, introductory chemical engineering, qualitative analysis, and quantitative analysis, including such instrumental techniques as spectroscopy (UV-Vis, IR, AA) and chromatography (GC, LC, IC). Students also utilize computerized data collection, reduction, and graphic presentation.

Graduates should qualify as entry-level chemical laboratory technicians. Their duties may include chemical solution preparation, raw material, product, or environmental sampling, and/or sample testing via wet chemistry or instrumental techniques.

I. General Education Courses

		Semester Hour Credits
ENG 111	Expository Writing	3
COM 110	Introduction to Communication	3
Humanities/Fine Arts Elective		3
MAT 121	Algebra/Trigonometry I	3
	and	
MAT 122	Algebra/Trigonometry II	3
	or	
MAT 171	Precalculus Algebra (recommended)	3
	and	
MAT 172	Precalculus Trigonometry (recommended)	3
Social/Behavioral Science Elective		3
CTS 130	Spreadsheet	3

II. Major Courses

CIS 110	Intro to Computers	3
CTC 111	Basic Chemistry I	7
CTC 112	Basic Chemistry II	7
CTC 120	Organic Chemistry I	2
CTC 140	Organic Processes	7
CTC 220	Organic Chemistry II	6
CTC 230	Organic Chemistry III	5
CTC 240	Industrial Analysis I	5
CTC 250	Industrial Analysis II	5
ISC 278	cGMP Quality Systems	2

III. Electives

Select 2 hours from the list below.

BIO 111	General Biology	4
COE 111	Co-op Work Experience I	1
COE 121	Co-op Work Experience II	1
COE 131	Co-op Work Experience III	1
ISC 112	Industrial Safety	2

Total Credits 72

FALL SEMESTER I
CTC 111
ENG 111
MAT 121 or MAT 171
CIS 110

SPRING SEMESTER I
CTC 112
CTC 120
COM 110
MAT 122 or MAT 172

SUMMER SEMESTER I
CTC 140
CTS 130
ISC 278

FALL SEMESTER II
CTC 220
CTC 240
Social/Behav Science Elect
Chemical Technology Elect

SPRING SEMESTER II
CTC 230
CTC 250
Humanities/Fine Arts Elect

Collision Repair and Refinishing Technology

DIPLOMA (D60130)
CERTIFICATE (C60130)

Diploma Program

The Collision Repair and Refinishing Technology curriculum provides training in the use of equipment and materials of the autobody repair trade. The student studies the construction of the automobile body and techniques of autobody repairing, rebuilding, and refinishing.

The course work includes autobody fundamentals, industry overview, and safety. Students will perform hands-on repairs in the areas of non-structural and structural repairs, mig welding, plastics and adhesives, refinishing, and other related areas.

Graduates of the curriculum should qualify for entry-level employment opportunities in the automotive body and refinishing industry. Graduates may find employment with franchised, independent garages, or they may become self-employed.

I. General Education Courses

		Semester Hour Credits
ENG 101	Applied Communications I	3
MAT 101	Applied Mathematics I	3

II. Major Courses

AUB 111	Painting and Refinishing I	4
AUB 112	Painting and Refinishing II	4
AUB 114	Special Finishes	2
AUB 121	Non-Structural Damage I	3
AUB 122	Non-Structural Damage II	4
AUB 131	Structural Damage I	4
AUB 132	Structural Damage II	4
AUB 134	Auto Body MIG Welding	3
AUB 136	Plastics and Adhesives	3
AUB 141	Mechanical and Electrical Components	3
CIS 111	Basic PC Literacy	2

III. Collision Repair and Refinishing Technology Electives

Select a minimum of 6 SHC from the following courses.

AUB 162	Autobody Estimating	2
AUT 171	Heating & Air Conditioning	4
AUC 114	Custom Fiberglass Skills	4
AUC 115	Glass Customizing Methods	4

Total Credits 47

FALL SEMESTER I	SUMMER SEMESTER I
AUB 111	AUB 114
AUB 121	AUB 136
AUB 131	Elective
AUB 134	Elective
CIS 111	
MAT 101	

SPRING SEMESTER I
AUB 112
AUB 122
AUB 132
AUB 141
ENG 101

Collision Repair and Refinishing Technology
Certificate Program

FALL SEMESTER I	SPRING SEMESTER I
AUB 121	AUB 111
	AUB 131
	AUB 134

Total Credits 14

Community Spanish Interpreter

A.A.S. Degree (A55370)
Diploma (D55370)
Certificate (C55370)

Note: The program is listed for information only. CFCC is only offering limited classes at present. Check with the Public Service Department Chair for current status.

Associate in Applied Science Program

The Community Spanish Interpreter curriculum prepares individuals to work as entry-level bilingual professionals who will provide communication access in interview and interactive settings. In addition, this curriculum provides educational training for working professionals who want to acquire Spanish language skills.

Course work includes the acquisition of Spanish: grammar, structure, and sociolinguistic properties, cognitive processes associated with interpretation between Spanish and English; the structure and character of the Hispanic community; and acquisition of communication skills.

Graduates should qualify for entry-level jobs as para-professional bilingual employees in educational systems or a variety of community settings. Individuals may choose from part-time, full-time, or self-employment/free-lance positions, or apply language skills to other human service related areas.

I. General Education Courses

		Semester Hour Credits
ENG 111	Expository Writing	3
ENG 114	Professional Research and Reporting	3
Natural Science Elective or MAT 115 or higher		3
Social/Behavioral Science Elective		3
Humanities/Fine Arts Elective		3

II. Major Courses

SPA 111	Elementary Spanish I	3
SPA 112	Elementary Spanish II	3
SPA 120	Spanish for the Workplace	3
SPA 141	Culture and Civilization	3
SPA 161	Cultural Immersion	3
SPA 181	Spanish Lab I	1
SPA 182	Spanish Lab II	1
SPA 211	Intermediate Spanish I	3
SPA 212	Intermediate Spanish II	3
SPA 215	Spanish Phonetics/Structure	3
SPA 221	Spanish Conversation	3
SPA 231	Reading and Comprehension	3
SPA 281	Spanish Lab III	1
SPA 282	Spanish Lab IV	1
SPI 113	Intro to Spanish Interpretation	3
SPI 114	Analytical Skills Spanish Interp.	3
SPI 213	Review of Grammar	3
SPI 214	Intro to Translation	3

COE 112(CS)	Co-op Work Experience I	2
COE 115(CS)	Work Experience Seminar I	1

III. Other Major Courses

CIS 111	Basic PC Literacy	2
SPI 245	Community Interpreting I	3

Total Credits 69

FALL SEMESTER I
CIS 111
ENG 111
MAT 115 or higher or
Natural Science Elective
SPA 111
SPA 141
SPA 181

FALL SEMESTER II
SPA 212
SPA 215
SPA 282
SPI 213
SPI 214

SPRING SEMESTER I
ENG 114
Social/Behavioral Science Elect
SPA 112
SPA 182
SPI 113
SPA 161

SPRING SEMESTER II
COE 112
COE 115
Humanities/Fine Arts Elect
SPA 221
SPA 231
SPI 245

SUMMER SEMESTER I
SPA 120
SPA 211
SPA 281
SPI 114

Community Spanish Interpreter
Diploma Program

I. Major Courses

ENG 111	Expository Writing	3
Social/Behavioral Science Elective		3
SPA 111	Elementary Spanish I	3
SPA 112	Elementary Spanish II	3
SPA 120	Spanish In The Workplace	3
SPA 181	Spanish Lab I	1
SPA 182	Spanish Lab II	1
SPA 211	Intermediate Spanish I	3
SPA 215	Spanish Phonetics/Structu	3
SPA 281	Spanish Lab III	1
SPI 113	Introduction To Spanish Interpreting	3
SPI 114	Analytical Skills Spanish Interp	3
SPI 213	Review of Grammar	3
SPI 214	Intro to Translation	3
SPI 245	Community Interpreting I	3

Total Credits 39

FALL SEMESTER
ENG111
SPA 111
SPA 181
SPI 113
Social/Behavioral Science Elective

SUMMER SEMESTER
SPA 211
SPA 281
SPI 213
SPI 214

SPRING SEMESTER
SPA 112
SPA 182
SPA 120
SPA 114
SPI 245

Community Spanish Interpreter
Certificate Program

The certificate is designed to provide persons with Spanish-speaking experience (native or otherwise) the opportunity to further improve their proficiency and especially for native speakers to hone their reading and writing skills in their native language. In addition, actual practice interpreting and a co-op within the community are included as the students choosing this curriculum already have proven proficiency through SPA 212 and have skills equivalent to the basic certificate described above before beginning this advanced certificate and will be better equipped to facilitate communication between Spanish-only and non-Spanish-speaking members of the community.

Major Courses

SPA 215	Spanish Phonetics & the Structure of Language	3
SPA 231	Reading and Composition	3
SPI 213	Review of Grammar.	3
SPI 114	Analytical Skills for Spanish Interpreting	3
SPI 214	Introduction to Translation	3
SPI 245	Community Spanish Interpreting I	3

Total Hours 18

FALL SEMESTER I
SPA 215
SPI 213

FALL SEMESTER II
SPI 214
SPI 245

SPRING SEMESTER I
SPA 231

SUMMER SEMESTER I
SPI 114

Computer Engineering Technology

A.A.S. DEGREE (A40160)
CERTIFICATE-NETWORKING (C40160N)
CERTIFICATE-SECURITY (C40160S)
CERTIFICATE-WEB DEVELOPMENT (C40160W)

Associate in Applied Science Program

The Computer Engineering Technology curriculum provides the skills required to install, service, and maintain computers, peripherals, networks, and microprocessor and computer controlled equipment. It includes training in both hardware and software, emphasizing operating systems concepts to provide a unified view of computer systems.

Course work includes mathematics, physics, electronics, digital circuits and programming, with emphasis on the operation, use, and interfacing of memory and devices to the CPU. Additional topics may include communications, networks, operating systems, programming languages, Internet configuration and design, and industrial applications.

Graduates should qualify for employment opportunities in electronics technology, computer service, computer networks, server maintenance, programming, and other areas requiring a knowledge of electronic and computer systems. Graduates may also qualify for certification in electronics, computers, or networks.

Semester Hour Credits

I. General Education Courses

COM 110	Intro to Communications	3
ENG 111	Expository Writing	3
Humanities/Fine Arts Elective		3
MAT 121	Algebra/Trigonometry I.	3
Social/Behavioral Science Elective		3

II. Major Courses

CET 111	Computer Upgrade/Repair I	3
CET 130	Operating System Principles	3
CET 172	Internet Technologies	3
CET 211	Computer Upgrade/Repair II	3
CET 240	Network Security	3
CET 245	Internet Servers	3
CIS 110	Introduction to Computers	3
CSC 151	JAVA Programming	3
CSC 251	Advanced Java	3
ELC 131	DC/AC Circuit Analysis	5
ELN 131	Semiconductor Appl	4
ELN 133	Digital Electronics	4
ELN 237	Local Area Networks	3
MAT 122	Algebra/Trigonometry II	3
PHY 131	Physics-Mechanics	4
TNE 255	Network Servers	3

III. Computer Engineering Electives

Students are required to take 6 SHC from the following:

CET 150	Computer Forensics	3
CET 250	Computer Forensics II	3
COE 111	CECo-op Work Experience	1
COE 121	CECo-op Work Experience	1
COE 131	CECo-op Work Experience	1
EGR 110	Intro to Engineering Tech	2
TNE 245	Network Perimeter Security	3
WEB 285	Emerging Web Technologies	3

Total Credits 74

FALL SEMESTER I
CET 111
CIS 110
CET 172
ENG 111
MAT 121

FALL SEMESTER II
CET 240
CET 245
CET Elective
CSC 251
ELN 131

SPRING SEMESTER I
CET 211
CSC 151
ELC 131
ELN 237
MAT 122

SPRING SEMESTER II
CET Elective
ELN 133
Humanities/Fine Arts Elect
Social/Behav.Science Elect
TNE 255

SUMMER SEMESTER I
CET 130
COM 110
PHY 131

Computer Engineering Technology
NETWORKING
Certificate Program

The Computer Engineering Networking Certificate program prepares students to understand networking technologies. This curriculum develops operating skills needed to successfully manage and support networking technologies.

Course work includes hands-on experience with networking electronics, operating systems, internet technologies, LANS, and server configuration and management. Classes cover fundamentals of networks, installation and management of network operating systems, troubleshooting, and network administration responsibilities.

Graduates should qualify for entry level positions such as Computer Repair Technician, Computer Technician, Hardware/Software Installer, Network Technician, Network Administrator, Network Installer, and Network Support Specialist. Graduates are prepared to sit for certification exams that may result in industry-recognized credentials.

II. Major Courses		Semester Hour Credits
CET 111	Computer Upgrade/Repair I	3
CET 172	Internet Technologies	3
CET 211	Computer Upgrade/Repair II	3
CIS 110	Introduction to Computers	3
ELN 237	Local Area Networks	3
TNE 255	Network Servers	3
Total Hours		**18**

FALL SEMESTER I	SUMMER SEMESTER I
CIS 110	CET 211
CET 172	TNE 255

SPRING SEMESTER I
CET 111
ELN 237

Computer Engineering Technology
SECURITY
Certificate Program

The Computer Engineering Network Security Certificate prepares students to understand and install various types of security tools and models. This curriculum also develops operating skills needed to successfully manage and support these devices.

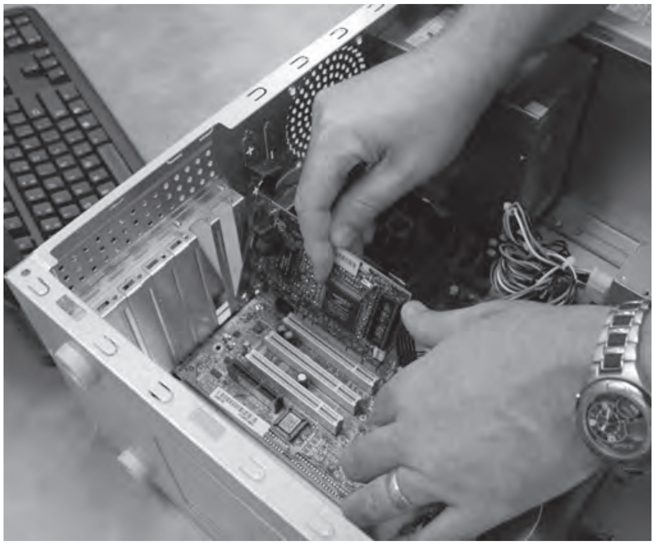
Course work includes extensive hands-on experience with different network electronics, operating systems, and security tools. Classes cover installation and support of various security electronics, security and intrusion detection software, troubleshooting, administrative responsibilities, and other security tools.

Graduates should qualify for positions such as: LAN/PC security technician, security control operator, and network security technician. Graduates are also prepared to sit for certification exams that can result in industry-recognized credentials.

II. Major Courses		Semester Hour Credits
CET 130	Operating System Principles	3
CET 172	Internet Technologies	3
CET 240	Network Security.	3
CET 245	Internet Servers	3
ELN 237	Local Area Networks	3
TNE 245	Network Perimeter Security	3
Total Hours		**18**

SUMMER SEMESTER I	SPRING SEMESTER I
CET 130	CET 245
CET 172	TNE 245

FALL SEMESTER I
CET 240
ELN 237



Computer Engineering Technology
WEB DEVELOPMENT
Certificate Program

The Computer Engineering Internet Technologies Certificate program prepares students to understand internet and internetworking technologies. This curriculum develops operating skills needed to successfully manage and support internet technologies.

Course work includes hands-on experience with web development, computer programming, and operating systems. Classes cover fundamentals of computers, html and java coding for the internet, installation and management of operating systems, troubleshooting, and administrative responsibilities.

Graduates should qualify for entry level positions such as Web Manager, Web Page Designer, Web Site Developer, and Web Technician.

II. Major Courses		Semester Hour Credits
CET 130	Operating System Principles	3
CET 172	Internet Technologies	3
CET 245	Internet Servers	3
CIS 110	Introduction to Computers	3
CSC 151	Java Programming	3
CSC 251	Advanced Java Programming	3
Total Hours		**18**

SUMMER SEMESTER I	SPRING SEMESTER I
CIS 110	CET 245
CET 172	CSC 251

FALL SEMESTER I
CSC 151
CET 130

Computer Information Technology

A.A.S. DEGREE (A25260)
CERTIFICATE (C25260)

Associate in Applied Science Program

The Computer Information Technology curriculum is designed to prepare graduates for employment with organizations that use computers to process, manage, and communicate information. This is a flexible program, designed to meet community information systems needs.

Course work includes computer systems terminology and operations, logic, operating systems, database, data communications/networking, and related business topics. Studies will provide experience for students to implement, support, and customize industry-standard information systems.

Graduates should qualify for a wide variety of computer related, entry-level positions that provide opportunities for advancement with increasing experience and ongoing training. Duties may include systems maintenance and troubleshooting, support and training, and business applications design and implementation.

Course work prepares students to take the Comp/TIA A+, SEC+, and CISCO™ Certified Network Associate (CCNA) exams for industry certification.

Semester Hour Credits

I. General Education Courses

COM 110	Introduction to Communication	3
ENG 111	Expository Writing	3
HUM 115	Critical Thinking	3
MAT 121	Algebra/Trignometry I	3
PSY 150	Introduction to Psychology	3

II. Major Courses

ACC 120	Principles of Accounting I	4
CIS 110	Introduction to Computers	3
CIS 115	Intro to Programming and Logic	3
CTS 115	IS Business Concepts	3
CTS 120	Hardware/Software Support	3
CTS 285	Systems Analysis and Design	3
CTS 289	Systems Support Project	3
DBA 110	Database Concepts	3
NOS 110	Operating System Concepts	3
NOS 130	Windows Single User	3
NOS 230	Windows Admin I	3
NET 125	Routing and Switching I	3
NET 126	Routing and Switching II	3
SEC 110	Security Concepts	3
WEB 210	Web Design	3

III. CIT Electives (select 9 credit hours)

BUS 121	Business Math	3
CSC 153	C# Programming	3
CTS 130	Spreadsheet Concepts	3
NET 225	Advanced Router and Switching I	3
NET 226	Advanced Router and Switching II	3

Total Hours **70**

FALL SEMESTER I	**FALL SEMESTER II**
ACC 120	CTS 285
CIS 110	Elective
CTS 115	NOS 130
HUM 115	SEC 110
MAT 121	WEB 210

SPRING SEMESTER I	**SPRING SEMESTER II**
CIS 115	CTS 289
CTS 120	Elective
DBA 110	NOS 230
NET 125	PSY 150
NOS 110	

SUMMER SEMESTER I
COM 110
ENG 111
NET 126

Computer Information Technology
Certificate Program

Semester Hour Credits

II. Major Courses

CIS 110	Introduction to Computers	3
CTS 115	IS Business Concepts	3
CTS 120	Hardware/Software Support	3
DBA 110	Database Concepts	3
NOS 110	Operating Systems Concepts	3
NOS 130	Windows Single User	3

Total Hours **18**

FALL SEMESTER I	**SPRING SEMESTER I**
CIS 110	CTS 120
CTS 115	DBA 110
NOS 110	NOS 130

Computer-Integrated Machining

A.A.S. DEGREE (A50210)
CERTIFICATE (C50210)

Associate in Applied Science Program

The Computer-Integrated Machining curriculum prepares students with the analytical, creative and innovative skills necessary to take a production idea from an initial concept through design, development and production, resulting in a finished product.

Coursework may include manual machining, computer applications, engineering design, computer-aided drafting (CAD), computer-aided machining (CAM), blueprint interpretation, advanced computerized numeric control (CNC) equipment, basic and advanced machining operations, precision measurement and high-speed multi-axis machining.

Graduates should qualify for employment as machining technicians in high-tech manufacturing, rapid-prototyping and rapid-manufacturing industries, specialty machine shops, fabrication industries, and high-tech or emerging industries such as aerospace, aviation, medical, and renewable energy, and to sit for machining certification examinations.

		Semester Hour Credits
I. General Education Courses		
ENG 111	Expository Writing	3
COM 110	Intro to Communication	3
Humanities/Fine Arts Elective		3
MAT 120	Geometry and Trigonometry	3
Social/Behavioral Science Elective		3
II. Major Courses		
MAC 111	Machining Technology I	6
MAC 112	Machining Technology II	6
MAC 113	Machining Technology III	6
MAC 121	Intro to CNC	2
MAC 122	CNC Turning	2
MAC 124	CNC Milling	2
MAC 131	Blueprint Reading: MACH I	2
MAC 132	Blueprint Reading: MACH II	2
MAC 152	Advanced Machining Calculations	2
MAC 222	Advanced CNC Turning	2
MAC 224	Advanced CNC Milling	2
MAC 233	Applications in CNC Machining	6
MAC 241	Jigs and Fixtures I	4
MAC 242	Jigs and Fixtures II	4
MEC 231	Comp-Aided Manufact I	3
MEC 232	Comp-Aided Manufact II	3
Total Credits		**69**

FALL SEMESTER I
COM 110
MAC 111
MAC 121
MAC 131
MAT 120

FALL SEMESTER II
MAC 113
MAC 224
MAC 241
MEC 232

SPRING SEMESTER I
ENG 111
MAC 112
MAC 124
MAC 132
Social/Behav. Science Elect

SPRING SEMESTER II
MAC 222
MAC 233
MAC 242
Humanities/Fine Arts Elect

SUMMER SEMESTER I
MAC 122
MAC 152
MEC 231

Computer-Integrated Machining
COMPUTER NUMERICAL CONTROL (CNC) MACHINE TOOL OPERATOR
Certificate Program (DAY AND EVENINGS)

		Semester Hour Credits
Major Courses		
MAC 111	Machining Technology I	6
MAC 112	Machining Technology II	6
MAC 121	Introduction to CNC	2
MAC 122	CNC Turning	2
MAC 124	CNC Milling	2
Total Hours		**18**

FALL SEMESTER I
MAC 111
MAC 121

SUMMER SEMESTER I
MAC 122

SPRING SEMESTER I
MAC 112
MAC 124

Construction Management Technology

A.A.S. DEGREE (A35190)
CERTIFICATE (C35190)

Associate in Applied Science Program

This curriculum is designed to prepare individuals for careers in the construction management field. Such positions may include project manager, superintendent, estimator, or foreman.

Course work includes safety, planning, scheduling, cost control, productivity, human relations, estimating, and building codes. Students will also gain proficiency in specific construction related skills.

Graduates should qualify for entry-level positions in the field of construction management.

I. General Education Courses

		Semester Hour Credits
COM 120	Interpersonal Communication	3
	or	
COM 231	Public Speaking	3
MAT 121	Algebra/Trigonometry I	3
ENG 111	Expository Writing	3
Humanities/Fine Arts Elective		3
Social/Behavioral Science Elective		3

II. Major Courses

ACC 120	Principles of Accounting I	4
BPR 130	Blueprint Reading/Construction	2
BPR 230	Commercial Blue Prints	2
CAR 110	Introduction to Carpentry	2
CAR 111	Carpentry I	8
CAR 115	Residential Planning/Estimating	3
CIS 110	Introduction to Computers	3
CIV 230	Construction Estimating	3
CMT 112	Construction Mgmt I	6
CMT 120	Building Codes and Inspections	3
CMT 210	Prof. Construction Supervision	3
CMT 212	Total Safety Performance	3
CMT 214	Planning and Scheduling	3
CMT 216	Costs and Productivity	3
CMT 218	Human Relations Issues	3
DFT 151	CAD I	3

III. Electives (choose a minimum of 5 hours from the list below)

AHR 110	Intro to Refrigeration	5
AHR 114	Heat Pump Technology	3
BUS 115	Business Law	3
BUS 137	Principles of Management	3
CST 244	Sustainable Bldg Design	3
ELC 113	Basic Writing I	3
ELC 114	Basic Writing II	3
SST 120	Energy Use Analysis	3
SST 140	Green Building	3

Total Credits 74

FALL SEMESTER I	FALL SEMESTER II
ENG 111	MAT 121
BPR 130	BPR 230
CAR 110	CIV 230
CAR 111	CMT 214
	Elective

SPRING SEMESTER I	SPRING SEMESTER II
CAR 115	CMT 216
CMT 112	CMT 218
CMT 210	COM 120 or COM 231
CMT 212	Social/Behav. Science Elect
Humanities/Fine Arts Elective	

SUMMER SEMESTER I
ACC 120
CIS 110
CMT 120
DFT 151

Construction Management Technology
Certificate Program

II. Major Courses

BPR 130	Blueprint Reading/Construction	2
CMT 210	Prof. Construction Supervision	3
CMT 212	Total Safety Performance	3
CMT 214	Planning and Scheduling	3
CMT 216	Costs and Productivity	3
CMT 218	Human Relations Issues	3

Total Credits 17

FALL SEMESTER I	FALL SEMESTER II
BPR 130	CMT 214

SPRING I	SPRING II
CMT 210	CMT 216
CMT 212	CMT 218

Cosmetology

DIPLOMA (D55140)
CERTIFICATE (C55140)
CERTIFICATE-COSMETOLOGY INSTRUCTORS (C55160)
CERTIFICATE-ESTHETICS (C55230) see page 181
CERTIFICATE-MANICURING/NAIL TECHNOLOGY (C55400) see page 189

Uniforms and name tags are required at an additional cost.

Diploma Program

The Cosmetology curriculum is designed to provide competency-based knowledge, scientific/artistic principles, and hands-on fundamentals associated with the cosmetology industry. The curriculum provides a simulated salon environment which enables students to develop manipulative skills.

Course work includes instruction in all phases of professional imaging, hair design, chemical processes, skin care, nail care, multi-cultural practices, business/computer principles, product knowledge, and other selected topics.

Graduates should qualify to sit for the State Board of Cosmetic Arts examination. Upon successfully passing the State Board exam, graduates will be issued a license. Employment is available in beauty salons and as skin/nail specialists, platform artists, and related business.

The listed courses, CFCC Cosmetology competencies, NC State Board Performances and a minimum of 1500 hours are required for graduation.

This curriculum complies with the standard approved by the State Board of Community Colleges.

		Semester Hour Credits
I. General Education Courses		
ENG 101	Applied Communications I	3
ENG 102	Applied Communications II	3
II. Major Courses		
COS 111	Cosmetology Concepts I	4
COS 112	Salon I	8
COS 113	Cosmetology Concepts II	4
COS 114	Salon II	8
COS 115	Cosmetology Concepts III	4
COS 116	Salon III	4
III. Cosmetology Electives		
Minimum of 2 SHC required for diploma.		
COS 117	Cosmetology Concepts IV	2
COS 240	Contemporary Design	2
Other Major Courses required for Diploma		
COS 118	Salon IV	7
Total Credits		**47**

FALL & SPRING SEM I	**SUMMER SEMESTER I**
COS 111	COS 115
COS 112	COS 116
ENG 101	

FALL & SPRING SEM I	**FALL & SPRING SEM II**
COS 113	2 hour Cosmetology Elect.
COS 114	COS 118
	ENG 102

Cosmetology
Certificate Program

This Certificate is designed to meet State Board of Cosmetology requirements.

		Semester Hour Credits
I. General Education Courses		
COS 111	Cosmetology Concepts I	4
COS 112	Salon I	8
COS 113	Cosmetology Concepts II	4
COS 114	Salon II	8
COS 115	Cosmetology Concepts III	4
COS 116	Salon III	4
II. Cosmetology Electives		
Students should take a minimum of 2 SHC from the following:		
COS 117	Cosmetology Concepts IV	2
COS 240	Contemporary Design	2
Total Credits		**34**

FALL SEMESTER I	**SUMMER SEMESTER I**
COS 111	COS 115
COS 112	COS 116

SPRING SEMESTER I
COS 113
COS 114
2 hour Cosmetology Elective

Cosmetology Instructors
Certificate Program

To enter program, student must be a licensed cosmetologist.

		Semester Hour Credits
I. General Education Courses		
COS 271	Instructors Concepts I	5
COS 272	Instructors Practicum I	7
COS 273	Instructors Concepts II	5
COS 274	Instructors Practicum II	7
Total Credits		**24**

Because the State mandates a minimum number of contact hours for State Certification, this class may exceed the limits for a standard certificate class.

Students in the Cosmetology program must achieve a "C" or higher in each course within the curriculum in order to fulfill graduation requirements.

FALL SEMESTER I	**SPRING SEMESTER I**
COS 271	COS 273
COS 272	COS 274

Criminal Justice Technology

A.A.S. DEGREE (A55180)
CERTIFICATE (C55180)
INDUSTRIAL SECURITY CERTIFICATE (C55180S)

Associate in Applied Science Program

The Criminal Justice Technology curriculum is designed with a core of courses to afford one the opportunity to acquire basic knowledge, skills and attitudes in the generally accepted subject areas associated with a two-year study of law enforcement services. It includes subjects such as interpersonal communications, law, psychology and sociology.

In addition to core subjects, the correctional services option provides an opportunity to study other generally accepted subjects indigenous to a correctional services program such as confinement facility administration, correctional law, counseling, probation-parole services and rehabilitation options. Similarly, the law enforcement provides an opportunity to study other generally accepted subjects included in a law enforcement services program such as criminal behavior, criminal investigation, patrol operation, traffic management, and other aspects of law enforcement administration and operations. The security services provides an opportunity to study other generally accepted subjects related to a security services program such as accident prevention and safety management, common carrier protection, fire prevention, private security, industrial security, retail security, security systems and surveillance.

Job opportunities are available with federal, state, county and municipal governments. In addition, knowledge, skills and attitudes acquired in this course of study qualify one for job opportunities with private enterprise in such areas as industrial, retail and private security.

		Semester Hour Credits
I. General Education Courses		
BIO 110	Principles of Biology	4
	or	
BIO 111	General Biology I	4
COM 231	Public Speaking	3
ENG 111	Expository Writing	3
MAT 120	Geometry & Trigonometry	3
	or	
MAT 121	Algebra/Trigonometry I	3
SOC 210	Intro To Sociology	3
Humanities/Fine Arts Elective		3
II. Major Courses		
CJC 111	Introduction to Criminal Justice	3
CJC 112	Criminology	3
CJC 113	Juvenile Justice	3
CJC 131	Criminal Law	3
CJC 212	Ethics & Community Relations	3
CJC 221	Investigative Principal	4
CJC 231	Constitutional Law	3
III. Other Major Courses		
CIS 111	Basic PC Literacy	2
CJC 114	Investigatory Photo	2
CJC 120	Interview/Interrogations	2
CJC 121	Law Enforcement Operations	3
CJC 132	Court Proc & Evidence	3
CJC 141	Corrections	3
CJC 160	Terrorism: Underlying Issues	3
CJC 213	Substance Abuse	3
CJC 215	Organization & Adm.	3
CJC 222	Criminalistics	3
COE 111(CJ)	Co-op Work Experience	1
COE 115(CJ)	Co-op Work Experience Seminar I	1
SPA 111	Elementary Spanish I	3
SPA 181	Spanish Lab I	1
Total Credits		**73-74**

Criminal Justice Technology

(DAY)

FALL SEMESTER I	FALL SEMESTER II
CJC 111	CJC 114
CJC 131	CJC 213
CJC 132	CJC 215
ENG 111	COM 231
SPA 111/181	SOC 210

SPRING SEMESTER I	SPRING SEMESTER II
BIO 110 or BIO 111	CJC 120
CIS 111	CJC 222
CJC 112	CJC 160
CJC 121	MAT 120 or MAT 121
CJC 231	COE 111(CJ)
Humanities/Fine Arts Elect	COE 115(CJ)

SUMMER SEMESTER I
CJC 113
CJC 141
CJC 212
CJC 221

Criminal Justice Technology

(NIGHT PROGRAM) BEGINNING FALL 2007 AND EACH ODD NUMBER YEAR THEREAFTER.

FALL SEMESTER I	FALL SEMESTER III
ENG 111	CJC 221
CJC 111	SPA 111/181

SPRING SEMESTER I	SPRING SEMESTER III
CJC 131	CJC 114
CJC 132	CJC 215

SUMMER SEMESTER I	SUMMER SEMESTER III
CJC 231	CJC 213
CJC 141	SOC 210

FALL SEMESTER II	FALL SEMESTER IV
BIO 110 or BIO 111	CJC 160
Humanities/Fine Arts Elect	COM 231

SPRING SEMESTER II	SPRING SEMESTER IV
CJC 112	CIS 111
CJC 113	MAT 120 or MAT 121

SUMMER SEMESTER II	SUMMER SEMESTER IV
CJC 112	CJC 222
CJC 121	CJC 120

FALL SEMESTER V
COE 111
COE 115

Criminal Justice Technology
Certificate Program

I. General Education Courses		Semester Hour Credits
CJC 111	Introduction to Criminal Justice	3
CJC 121	Law Enforcement Operations	3
CJC 141	Corrections	3
CJC 221	Investigative Principal	4

Total Credits 13

FALL SEMESTER I	SPRING SEMESTER I
CJC 111	CJC 141
CJC 121	CJC 221

Criminal Justice Technology
Industrial Security Certificate Program

I. General Education Courses		Semester Hour Credits
CJC 114	Investigative Photography	2
CJC 160	Terrorism: Underlying Issues	3
CJC 215	Organization and Administration	3
CJC 221	Investigative Principles	4
CJC 222	Criminalistics	3

Total Credits 15

FALL SEMESTER I	FALL SEMESTER II
CJC 114	CJC 221
CJC 215	

SPRING SEMESTER I
CJC 222
CJC 160

Culinary Arts

A.A.S. DEGREE (A55150)
CERTIFICATE (C55150)

Students are responsible for purchasing their own uniforms and knife kit.

Associate in Applied Science Program

This curriculum provides specific training required to prepare students to assume positions as trained culinary professionals in a variety of foodservice settings including full service restaurants, hotels, resorts, clubs, catering operations, contract foodservice and health care facilities.

Students will be provided theoretical knowledge/practical applications that provide critical competencies to meet industry demands, including environmental stewardship, operational efficiencies and professionalism. Courses include sanitation/safety, baking, garde manger, culinary fundamentals/production skills, nutrition, customer service, purchasing/cost control, and human resource management.

Graduates should qualify for entry-level opportunities including prep cook, line cook, and station chef. American Culinary Federation certification may be available to graduates. With experience, graduates may advance to positions including sous chef, pastry chef, executive chef, or foodservice manager.

Semester Hour Credits

I. General Education Courses

COM 110	Intro to Communication	3
	or	
COM 231	Public Speaking	3
ENG 111	Expository Writing	3
Humanities/Fine Arts Elective		3
MAT 115 or higher		3
Social/Behavioral Science Elective		3

II. Major Courses

CIS 111	Basic PC Literacy	2
CUL 110	Sanitation and Safety	2
CUL 110A	Sanitation and Safety Lab	1
CUL 120	Purchasing	2
CUL 120A	Purchasing Lab	1
CUL 130	Menu Design	2
CUL 135	Food and Beverage Service	2
CUL 135A	Food and Beverage Service Lab	1
CUL 140	Basic Culinary Skills	5
CUL 150	Food Science	2
CUL 160	Baking I	3
CUL 170	Garde Manger I	3
CUL 240	Culinary Skills II	5
COE 111(CU)	Co-op Work Experience I	1
COE 115(CU)	Work Experience Seminar I	1
COE 121(CU)	Co-op Work Experience II	1
HRM 220	Food and Beverage Control	3
HRM 220A	Food and Beverage Control Lab	1
HRM 245	Hospitality Human Resource Mgmt.	3
NUT 110	Nutrition	3

Electives I

Students must take at least 5 SHC from the following:

CUL 230	Global Cuisines	5
CUL 245	Contemporary Cuisines	5
CUL 250	Classical Cuisine	5

Electives II

Students must take at least 5 SHC from the following:

CUL 214	Wine Appreciation	2
CUL 260	Baking II	3
CUL 270	Garde Manger II	3
CUL 280	Pastries and Confections	3
CUL 285	Competition Fundamentals	3
HRM 225	Beverage Management	3
COE 125(CU)	Work Experience Seminar II	1
COE 131(CU)	Co-op Work Experience III	1

Total Credits 69

FALL SEMESTER I	FALL SEMESTER II
CUL 110	CIS 111
CUL 110A	CUL 120
CUL 140	CUL 120A
CUL 150	Culinary Elective
CUL 160	HRM 220
	HRM 220A

SPRING SEMESTER I	SPRING SEMESTER II
CUL 135	COE 111(CU)
CUL 135A	COE 115(CU)
CUL 170	COE 121(CU)
CUL 240	Culinary Elective
ENG 111	CUL 130
NUT 110	HRM 245

SUMMER SEMESTER I	SUMMER SEMESTER II
COM 110 or 231	Humanities/Fine Arts Elect
Humanities/Fine Arts Elect	or
or	Social/Behav Science Elect
Social/Behav Science Elect	MAT 115 or higher

Culinary Technology
Certificate Program

Semester Hour Credits

I. General Education Courses

CUL 110	Sanitation and Safety	2
CUL 110A	Sanitation and Safety Lab	1
CUL 130	Menu Design	2
CUL 140	Basic Culinary Skills	5
CUL 160	Baking I	3
CUL 240	Advanced Culinary Skills	5

Total Credits 18

FALL SEMESTER I	SPRING SEMESTER I
CUL 110	CUL 240
CUL 110A	
CUL 140	
CUL 160	

Dental Assisting

DIPLOMA (D45240)

This program has selective admission requirements. Contact the Counseling Office for information and application deadlines.

Diploma Program

The Dental Assisting curriculum prepares individuals to assist the dentist in the delivery of dental treatment and to function as integral members of the dental team while performing chairside and related office and laboratory procedures.

Course work includes instruction in general studies, biomedical sciences, dental sciences, clinical sciences, and clinical practice. A combination of lecture, laboratory, and clinical experiences provide students with knowledge in infection/hazard control, radiography, dental materials, preventive dentistry, and clinical procedures.

Graduates may be eligible to take the Dental Assisting National Board Examination to become Certified Dental Assistants. As a Dental Assistant II, defined by the Dental Laws of North Carolina, graduates work in dental offices and other related areas.

The program in Dental Assisting is accredited by the Commission on Dental Accreditation and has been granted the accreditation status of accreditation without reporting requirements. The Commission is a specialized accrediting body recognized by the United States Department of Education.

The Commission on Dental Accreditation will review complaints that relate to a program's compliance with the accreditation standards. The Commission is interested in the sustained quality and continued improvement of dental and dental-related education programs, but it does not intervene on behalf of individuals or act as a court of appeal for individuals in matters of admission, appointment, promotion or dismissal of faculty, staff or students.

A copy of the appropriate accreditation standards and/or the Commission's policy and procedure for submission of complaints may be obtained by contacting the Commission at 211 East Chicago Avenue, Chicago, IL 60611 or by calling 1-800-621-8099 extension 4653.

Semester Hour Credits

I. General Education Courses

ENG 102	Applied Communications II	3
PSY 118	Interpersonal Psychology	3
	or	
PSY 150	General Psychology	3

II. Major Courses

BIO 106	Anatomy/Physiology/Microbiology	3
DEN 100	Basic Orofacial Anatomy	2
DEN 101	Preclinical Procedures I	7
DEN 102	Dental Materials	5
DEN 103	Dental Sciences	2
DEN 104	Dental Health Education	3
DEN 105	Practice Management	2
DEN 106	Clinical Practice I	5
DEN 107	Clinical Practice II	5
DEN 111	Infection/Hazard Control	2
DEN 112	Dental Radiography	3

III. Other Required Courses

CIS 111	Basic PC Literacy	2

Total Credits 47

FALL SEMESTER I
CIS 111
DEN 100
DEN 101
DEN 102
DEN 111

SUMMER SEMESTER I
BIO 106
DEN 107
ENG 102

SPRING SEMESTER I
DEN 103
DEN 104
DEN 105
DEN 106
DEN 112
PSY 118 or PSY 150

Dental Hygiene

A.A.S. DEGREE (A45260)

This program has selective admission requirements. Contact the Counseling Office for information and application deadlines.

Associate in Applied Science Program

The Dental Hygiene curriculum provides individuals with the knowledge and skills to access, plan, implement, and evaluate dental hygiene care for the individual and the community.

Students will learn to prepare the operatory, take patient histories, note abnormalities, plan care, teach oral hygiene, clean teeth, take x-rays, apply preventive agents, complete necessary chart entries, and perform other procedures related to dental hygiene care.

Graduates of this program may be eligible to take national and state/regional examinations for licensure which are required to practice dental hygiene. Employment opportunities include dental offices, clinics, schools, public health agencies, industry, and professional education

The program in dental hygiene is accredited by the Commission on Dental Accreditation and has been granted the accreditation status of accreditation without reporting requirements. The Commission is a specialized accrediting body recognized by the United States Department of Education.

The Commission on Dental Accreditation will review complaints that relate to a program's compliance with the accreditation standards. The Commission is interested in the sustained quality and continued improvement of dental and dental-related education programs but does not intervene on behalf of individuals or act as a court of appeal for individuals in matters of admission, appointment, promotion or dismissal of faculty, staff or students.

A copy of the appropriate accreditation standards and/or the Commission's policy and procedure for submission of complaints may be obtained by contacting the Commission at 211 East Chicago Avenue, Chicago, IL 60611 or by calling 1-800-621-8099 extension 4653.

		Semester Hour Credits
I. General Education Courses		
BIO 169	Anatomy and Physiology II	4
ENG 111	Expository Writing	3
ENG 114	Professional Research and Reporting	3
SOC 240	Social Psychology	3
Humanities/Fine Arts Elective		3
II. Major Courses		
DEN 110	Orofacial Anatomy	3
DEN 111	Infection/Hazard Control	2
DEN 112	Dental Radiography	3
DEN 120	Dental Hygiene Preclinic Lecture	2
DEN 121	Dental Hygiene Preclinic Lab	2
DEN 123	Nutrition/Dental Health	2
DEN 124	Periodontology	2
DEN 130	Dental Hygiene Theory I	2
DEN 131	Dental Hygiene Clinic I	3
DEN 140	Dental Hygiene Theory II	1
DEN 141	Dental Hygiene Clinic II	2
DEN 220	Dental Hygiene Theory III	2
DEN 221	Dental Hygiene Clinic III	4
DEN 222	General & Oral Pathology	2
DEN 223	Dental Pharmacology	2
DEN 224	Materials and Procedures	2
DEN 230	Dental Hygiene Theory IV	1
DEN 231	Dental Hygiene Clinic IV	4
DEN 232	Community Dental Health	3
DEN 233	Professional Development	2
BIO 175	General Microbiology	3
III. Required Subject Areas:		
BIO 168	Anatomy and Physiology I	4
IV. Other Major Hours		
DEN 125	Dental Office Emergencies	1
V. Other Required Courses:		
CHM 130	Gen, Org, & Biochemistry	3
CIS 110	Introduction to Computers or	3
CIS 111	Basic PC Literacy	2
Total Credits		**75/76**

FALL SEMESTER I	**FALL SEMESTER II**
BIO 168	CHM 130
DEN 110	DEN 123
DEN 111	DEN 220
DEN 112	DEN 221
DEN 120	DEN 224
DEN 121	SOC 240

SPRING SEMESTER I	**SPRING SEMESTER II**
BIO 169	DEN 230
CIS 110 or CIS 111	DEN 231
DEN 124	DEN 232
DEN 130	DEN 233
DEN 131	ENG 114
DEN 223	Humanities/Fine Arts Elect
ENG 111	

SUMMER SEMESTER I
BIO 175
DEN 125
DEN 140
DEN 141
DEN 222

Students are responsible for purchasing their own liability insurance, dental instruments, dental hand-piece, Hepatitis B vaccination and textbooks. Additional expenses are outlined in the Dental Hygiene admissions information available in the admissions office.

Drafting

See Mechanical Engineering Technology page 191.

Early Childhood Education

A.A.S. DEGREE (A55220)
DIPLOMA (D55220)
CERTIFICATE (C55220)

Associate in Applied Science Program

The Early Childhood Education curriculum prepares individuals to work with children from infancy through middle childhood in diverse learning environments. Students will combine learned theories with practice in actual settings with young children under the supervision of qualified teachers.

Course work includes child growth and development; physical/nutritional needs of children; care and guidance of children; and communication skills with parents and children. Students will foster the cognitive/language, physical/motor, social/emotional and creative development of young children.

Graduates are prepared to plan and implement developmentally appropriate programs in early childhood settings. Employment opportunities include child development and child care programs, preschools, public and private schools, recreational centers, Head Start Programs, and school age programs.

		Semester Hour Credits
I. General Education Courses		
ENG 111	Expository Writing	3
ENG 114	Professional Research & Reporting	3
Humanities/Fine Arts Elective		3
MAT 115	Mathematical Models	3
PSY 150	General Psychology	3

II. Major Courses

EDU 119	Intro to Early Child Education	4
EDU 131	Children, Family & Community	3
EDU 144	Child Development I	3
EDU 145	Child Development II	3
EDU 146	Child Guidance	3
EDU 151	Creative Activities	3
EDU 153	Health, Safety, Nutrition	3
EDU 221	Children with Exceptionalities	3
EDU 271	Educational Technology	3
EDU 280	Language and Literacy Exp.	3
EDU 284	Early Childhood Capstone Practicum.	4

III. Other Major Courses

EDU 151A	Creative Activities Lab	1
EDU 234	Infant, Toddler & Twos	3
EDU 234A	Infant, Toddler & Twos Lab	1
EDU 251	Exploration Activities	3
EDU 251A	Exploration Activities Lab	1
EDU 259	Early Childhood Curriculum Planning	3
EDU 280A	Language and Literacy Exp. Lab	1
SOC 210	Introduction to Sociology	3
SOC 213	Sociology of the Family	3

IV. Early Childhood Electives

Students are required to take at least 2 SHC from the following:

EDU 114	Introduction to Family Childcare	3
EDU 188	Issues in Early Childhood	2
EDU 235	School Age Dev. & Program	3
EDU 261	Early Childhood Administration	3
EDU 262	Early Childhood Administration II	3
EDU 263	Dev. School Age Programs.	2

Both EDU 261 and EDU 262 are required to meet requirements for the North Carolina Administration Credential

IV. Other Required Courses

CIS 111	Basic PC Literacy	2

Total Credits **73/74**

FALL SEMESTER I	**FALL SEMESTER II**
EDU 119	EDU 145
EDU 151	EDU 234
EDU 151A	EDU 234A
ENG 111	EDU 259
MAT 115	EDU 271
PSY 150	EDU 280
	EDU 280A
	Humanities/Fine Arts Elect (if not taken in Summer)

SPRING SEMESTER I	**SPRING SEMESTER II**
EDU 131	EDU 284
EDU 144	EDU 221
EDU 146	EDU 251
EDU 153	EDU 251A
SOC 210	SOC 213
Early Childhood Elect	

SUMMER SEMESTER I

CIS 111

ENG 114

Humanities/Fine Arts Elective (if offered)

Early Childhood Education

Diploma Program

		Semester Hour Credits
I. General Education Courses		
ENG 111	Expository Writing	3
PSY 150	General Psychology	3

II. Major Courses

EDU 119	Intro to Early Child Education	4
EDU 131	Children, Family & Community	3
EDU 144	Child Development I	3
EDU 145	Child Development II	3
EDU 146	Child Guidance	3
EDU 151	Creative Activities	3
EDU 153	Health, Safety and Nutrition	3
EDU 221	Children with Exceptional	3
EDU 284	Early Childhood Capstone Practicum	4

III. Other Required Courses

EDU 151A	Creative Activities Lab	1
EDU 234	Infants, Toddlers and Twos	3
EDU 234A	Infants, Toddlers and Twos Lab	1
EDU 259	Curriculum Planning	3
CIS 111	Basic PC Literacy	2

Total Credits **45**

FALL SEMESTER I
Early Childhood Elect
EDU 119
ENG 111
PSY 150
EDU 151
EDU 151A

FALL SEMESTER II
EDU 145
EDU 234
EDU 234A
EDU 259

SPRING SEMESTER I
EDU 131
EDU 144
EDU 146
EDU 153

SPRING SEMESTER II
EDU 284
EDU 221

SUMMER SEMESTER I
CIS 111

Early Childhood Education
Certificate Program

Semester Hour Credits

I. General Education Courses

EDU 119	Intro to Early Child Education	4
EDU 131	Child, Family and Community	3
EDU 146	Child Guidance	3
EDU 153	Health, Safety and Nutrition	3
PSY 150	General Psychology	3

Total Credits 16
(Offered over two semesters)

Electrical/Electronics Technology

A.A.S. DEGREE (A35220)
DIPLOMA (D35220)
CERTIFICATE (C35220)

Associate in Applied Science Program

The Electrical/Electronics Technology curriculum is designed to provide training for persons interested in the installation and maintenance of electrical/electronic systems found in residential, commercial and industrial facilities.

Training, most of which is hands-on, will include such topics as AC/DC theory, basic wiring practices, digital electronics, programmable logic controllers, industrial motor controls, the National Electric Code, and other subjects as local needs require.

Graduates should qualify for a variety of jobs in the electrical/electronic field as an on-the-job trainee or apprentice, assisting in the layout, installation, and maintenance of electrical/electronic systems.

Semester Hour Credits

I. General Education Courses

ENG 111	Expository Writing	3
ENG 114	Professional Research & Reporting	3
Humanities/Fine Arts Elective		3
MAT 121	Algebra/Trigonometry I	3
Social/Behavioral Science Elective		3

II. Major Courses

ALT 120	Renewable Energy Tech	3
ALT 220	Photovoltaic Sys Tech	3
CIS 111	Basic PC Literacy	2
ELC 112	DC/AC Electricity	5
ELC 113	Basic Wiring I	4
ELC 114	Basic Wiring II	4
ELC 115	Industrial Wiring	4
ELC 117	Motors and Controls	4
ELC 118	National Electrical Code	2
ELC 119	NEC Calculations	2
ELC 121	Electrical Estimating	2
ELC 125	Diagrams & Schematics	2
ELC 128	Introduction to PLC	3
ELC 213	Instrumentation	4
ELC 228	PLC Applications	4
ELN 229	Industrial Electronics	4
HYD 110	Hydraulics/Pneumatics I	3
ISC 112	Industrial Safety	2

Total Credits 69

FALL SEMESTER I
CIS 111
ELC 112
ELC 113
ISC 112
MAT 121

FALL SEMESTER II
ALT 220
ELC 121
ELC 128
ELC 213
ENG 114
Humanities/Fine Arts Elect

SPRING SEMESTER I
ELC 114
ELC 117
ELC 118
ELC 125
ENG 111

SPRING SEMESTER II
ELC 228
ELN 229
HYD 110
Social/Behav Science Elect

SUMMER SEMESTER I
ALT 120
ELC 115
ELC 119

Electrical/Electronics Technology

Diploma Program

Semester Hour Credits

I. General Education Courses

ENG 111	Expository Writing	3
MAT 121	Algebra/Trigonometry I	3

II. Major Courses

ALT 120	Renewable Energy Tech	3
CIS 111	Basic PC Literacy	2
ELC 112	DC/AC Electricity	5
ELC 113	Basic Wiring I	4
ELC 114	Basic Wiring II	4
ELC 115	Industrial Wiring	4
ELC 117	Motors and Controls	4
ELC 118	National Electrical Code	2
ELC 119	NEC Calculations	2
ELC 125	Diagrams & Schematics	2
ISC 112	Industrial Saftey	22

Total Credits 40

FALL SEMESTER I
CIS 111
ELC 112
ELC 113
ISC 112
MAT 121

SUMMER SEMESTER I
ALT 120
ELC 115
ELC 119

SPRING SEMESTER I
ELC 114
ELC 117
ELC 118
ELC 125
ENG 111

Electrical/Electronics Technology

Certificate Program

Semester Hour Credits

I. General Education Courses

ELC 112	DC/AC Electricity	5
ELC 113	Basic Wiring I	4
ELC 117	Motors and Controls	4
ISC 112	Industrial Saftey	2

Total Credits 15

Electronics Engineering Technology

A.A.S. DEGREE (A40200)
CERTIFICATE - ELECTRONICS (C40200)

Associate in Applied Science Program

The Electronics Engineering Technology curriculum prepares individuals to become technicians who design, build, install, test, troubleshoot, repair, and modify developmental and production electronic components, equipment, and systems such as industrial/computer controls, manufacturing systems, communication systems, and power electronic systems.

A broad-based core of courses, including basic electricity, solid-state fundamentals, digital concepts, and microprocessors, ensures the student will develop the skills necessary to perform entry-level tasks. Emphasis is placed on developing the student's ability to analyze and troubleshoot electronic systems.

Graduates should qualify for employment as engineering assistants or electronic technicians with job titles such as electronics engineering technician, field service technician, maintenance technician, electronic tester, electronic systems integrator, bench technician, and production control technician.

Semester Hour Credits

I. General Education Courses

COM 110	Intro to Communications	3
Humanities/Fine Arts Elective		3
Social/Behavioral Science Elective		3
ENG 111	Expository Writing	3
MAT 121	Algebra/Trigonometry I	3

II. Major Courses

CET 111	Computer Upgrade & Repair I	3
CIS 110	Basic PC Literacy	3
CSC 133	C Language Programming	3
ELC 128	Intro to PLC's	3
ELC 131	DC/AC Circuit Analysis	5
ELC 133	Advanced Circuit Analysis	3
ELN 131	Semiconductor Applications	4
ELN 132	Linear IC Applications	4
ELN 133	Digital Electronics	4
ELN 231	Industrial Controls	3
ELN 232	Intro to Microprocessors	4
ELN 234	Communication Systems	4
ELN 235	Data Communications	4
MAT 122	Algebra/Trigonometry II	3
PHY 131	Physics- Mechanics	4

III. Electronics Engineering Technology Electives

Select a minimum of 3 SHC from the following courses:

ATR 112	Intro to Automation	3
CET 211	Computer Upgrade & Repair II	3
EGR 110	Intro to Engineering Tech	2
COE 111ET	Co-op Work Experience I	1
COE 112ET	Co-op Work Experience I	1
COE 121ET	Co-op Work Experience II	1
COE 131ET	Co-op Work Experience III	1

Total Credits 72

FALL SEMESTER I	FALL SEMESTER II
Social/Behav Science Elect	ELC 128
CIS 110	ELN 133
ELC 131	ELN 234
ENG 111	CSC 133
MAT 121	

SPRING SEMESTER I	SPRING SEMESTER II
ELC 133	COM 110
ELN 131	Electronics Eng Elective
Humanities/Fine Arts Elect	ELN 232
MAT 122	ELN 235
CET 111	

SUMMER SEMESTER I
ELN 231
ELN 132
PHY 131

Electronics Engineering Technology

Certificate Program - Electronics

The EET Certificate Program is designed for part-time or evening students that want to learn the fundamentals of electricity, semiconductors, and the test equipment and troubleshooting procedures found in the field of Electronics. The certificate program can be completed in one year at night. Certificate students can always continue on to persue the A.A.S. 2 year degree.

I. Required Courses

ELC 131	DC/AC Circuit Analysis	5
MAT 121	Algebra/Trigonometry I	3
ELC 133	Advanced Circuit Analysis	3
ELN 131	Semiconductor Applications	4

Total Credits 15

FALL SEMESTER I	SPRING SEMESTER I
ELC 131	ELC 133
MAT 121	ELN 131

Esthetics Instructors

CERTIFICATE (C55270)

To enter program, student must be a licensed esthetician or cosmetologist.

I. General Education Courses

		Semester Hour Credits
COS 253	Esthetics Instructor Concepts I	11
COS 254	Esthetics Instructor Concept II	11

Total Credits 22

Because this number of hours is required to meet a state exam requirement, this class may exceed the limits for a standard certificate class..

FALL SEMESTER I	SPRING SEMESTER II
COS 253	COS 254

Minimum requirement is 600 hours as stated by the Board of Cosmetology. This program will not run every year. Effective Fall 2003.

Esthetics Technology

CERTIFICATE (C55230)

Certificate Program

The Esthetics Technology curriculum provides competency-based knowledge, scientific/artistic principles and hands-on fundamentals associated with the art of skin care. The curriculum provides a simulated salon environment which enables students to develop manipulative skills.

Course work includes instruction in all phases of professional Esthetics Technology, business/human relations, product knowledge, and other related topics.

Graduates should be prepared to take the North Carolina Cosmetology State Board Licensing Exam and upon passing be licensed and qualify for employment in beauty and cosmetic/skin care salons, as a platform artist, and in related businesses.

I. Required Courses

		Semester Hour Credits
COS 119	Esthetics Concepts I	2
COS 120	Esthetics Salon I	6
COS 125	Esthetics Concepts II	2
COS 126	Esthetics Salon II	6

Total Credits 16

FALL SEMESTER I	SPRING SEMESTER I
COS 119	COS 125
COS 120	COS 126

Film and Video Production Technology

A.A.S. DEGREE (A30140)
DIPLOMA (D30140)
CERTIFICATE (C30140)

Note: Limited classes are offered in this program. Please check with Public Services Department Chair or Student Development.

Associate in Applied Science Program

The Film and Video Production Technology curriculum prepares students for entry-level employment in production support and selected technical areas of film, video, and associated media production. Instruction provides training for entry-level crew and/or production and post-production assistants in many moving image media forms.

The first year content includes exposure to the entire production process. Students are taught by industry professionals who provide extensive hands-on instruction. In the second year, students receive professional training by performing in various crew positions on actual production projects.

Graduates may find employment as entry-level crew and/or production assistants in feature and short films, commercials, and industrial, educational, and documentary productions. Other opportunities include entry-level employment in pre-production and post-production areas for film and video.

Semester Hour Credits

I. General Education Courses

ENG 111	Expository Writing	3
COM 231	Public Speaking	3
MAT 140	Survey of Mathematics	3
MAT 140A	Survey of Mathematics Lab	1
	or	
MAT 171	Precalculus Algebra	3
MAT 171A	Precalculus Algebra Lab	1
Social/Behavioral Science Elective		3
Humanities/Fine Arts Elective		3

II. Major Courses

FVP 111	Introduction to Film and Video	3
FVP 112	Art Department Operations	3
FVP 113	Grip and Electrical I	3
FVP 114	Camera and Lighting I	3
FVP 115	Camera and Lighting II	3
FVP 116	Sound Operations	3
FVP 120	Art Department Operations II	3
FVP 130	Grip and Electrical II	3
FVP 212	Production Techniques I	5
FVP 213	Production Techniques II	5

III. Other Major Courses

DEA 111	Introduction to DEAT	3
FVP 117	Make-Up and Wardrobe	3
FVP 220	Editing I	3
FVP 250	Production Specialities I	3
CIS 110	Introduction to Computers	3
COE 111(FV)	Co-op Work Experience I	1
COE 115(FV)	Co-op Education Seminar	1
ENT 114	Entertainment Law	3
FVP 238	Software Apps for FVP	3

IV. Film and Video Electives

Select 3.0 hours from the following courses

FVP 215	Production Management	3
FVP 227	Multimedia Production	3

Total Credits ... 76

FALL SEMESTER I	FALL SEMESTER II
ENG 111	FVP 238
FVP 220	FVP 215
FVP 111	COM 231
FVP 112	FVP 130
FVP 114	CIS 110

SPRING SEMESTER I	SPRING SEMESTER II
FVP 113	COE 111(FV)
FVP 115	COE 115(FV)
FVP 116	ENT 114/DEA 111
FVP 120	FVP 227
FVP 250	MAT140/140A or
Humanities/Fine Arts Elect	MAT 171/171A

SUMMER SEMESTER I	SUMMER SEMESTER II
FVP 212	FVP 213
Social/Behav. Science Elective	

Film and Video Production Technology

Diploma Program

Semester Hour Credits

I. General Education Courses

COM 231	Public Speaking	3
ENG 111	Expository Writing	3

II. Major Courses

CIS 110	Introduction to Computers	3
FVP 111	Introduction to Film and Video	3
FVP 112	Art Department Operations I	3
FVP 113	Grip and Electrical I	3
FVP 114	Camera and Lighting I	3
FVP 115	Camera and Lighting II	3
FVP 116	Sound Operations	3
FVP 120	Art Department Operations II	3
FVP 212	Production Techniques I	5
FVP 220	Editing I	3
FVP 250	Production Specialities I	3

Total Credits ... 41

FALL SEMESTER I
COM 231
FVP 111
FVP 112
FVP 113
FVP 114

SUMMER SEMESTER
FVP 212
FVP 220

SPRING SEMESTER I
CIS 110
ENG 111
FVP 115
FVP 116
FVP 120
FVP 250

Film and Video Production Technology

Certificate Program

I. General Education Courses

		Semester Hour Credits
CIS 110	Introduction to Computers	3
FVP 111	Introduction to Film and Video	3
FVP 114	Camera & Lighting I	3
FVP 115	Camera & Lighting II	3
FVP 116	Sound Operations I	3
FVP 220	Editing I	3

Total Credits 18

FALL SEMESTER I
CIS 110
FVP 111
FVP 114

SPRING SEMESTER I
FVP 115
FVP 116

SUMMER SEMESTER I
FVP 220

Fire Protection Technology

A.A.S. DEGREE (A55240)

Associate in Applied Science Program

The Fire Protection Technology curriculum is designed to provide individuals with technical and professional knowledge to make decisions regarding fire protection for both public and private sectors. It also provides a sound foundation for continuous higher learning in fire protection, administration, and management.

Course work includes classroom and laboratory exercises to introduce the student to various aspects of fire protection. Students will learn technical and administrative skills such as hydraulics, hazardous materials, arson investigation, fire protection safety, fire suppression management, law, and codes.

Graduates should qualify for employment or advancement in governmental agencies, industrial firms, insurance rating organizations, educational organizations, and municipal fire departments. Employed persons should have opportunities for skilled and supervisory-level positions within their current organizations.

I. General Education Courses

		Semester Hour Credits
ENG 111	Expository Writing	3
ENG 114	Professional Research & Reporting	3
MAT 120	Geometry & Trigonometry	3
HUM 115	Critical Thinking	3
POL 120	American Government	3

II. Major Courses

FIP 120	Introduction to Fire Protection	3
FIP 124	Fire Prev and Public Education	3
FIP 128	Detection and Investigation	3
FIP 132	Building Construction	3
FIP 220	Fire Fighting Strategies	3

III. Other Major Courses

CIS 110	Introduction to Computers	3
EMS 235	EMS Management	2
FIP 136	Inspections and Codes	3
FIP 152	Fire Protection Law	3
FIP 156	Computers in Fire Service	
FIP 164	OSHA Standards	3
FIP 221	Advanced Fire Fighting Strategies	3
FIP 230	Chemistry of Hazardous Mat I	5
FIP 232	Hudraulics and Water Distribution	2
FIP 236	Emergency Management	3
FIP 240	Fire Service Supervision	3
FIP 256	Municipal Public Relations	3
FIP 276	Managing Fire Services	3
FIP 277	Fire and Social Behavior	3
COE 111(FP)	Co-op Work Experience I	1
COE 115(FP)	Work Experience Seminar I	1

Total Credits 74

FALL SEMESTER I
ENG 111
FIP 120
FIP 124
CIS 110

FALL SEMESTER II
FIP 128
FIP 156
FIP 164
FIP 221
FIP 256

SPRING SEMESTER I
MAT 120
HUM 115
FIP 152
FIP 240

SPRING SEMESTER II
FIP 132
FIP 230
EMS 235
COE 115FP
COE 111FP

SUMMER SEMESTER I
POL 120
FIP 136
FIP 220
ENG 114

SUMMER SEMESTER II
FIP 232
FIP 236
FIP 276
FIP 277

Hospitality Management

A.A.S. DEGREE (A25110)
CERTIFICATE

Associate in Applied Science Program

This curriculum prepares individuals to understand and apply the administrative and practical skills needed for supervisory and managerial positions in hotels, motels, resorts, inns, restaurants, institutions, and clubs.

Course work includes guest services, leadership, management, restaurant operations, lodging operations, marketing, sanitation, food preparation, food and beverage management and other critical areas.

Graduates should qualify for management or entry-level supervisory positions in food and lodging operations, including restaurants, foodservice, beverage service, catering, front office, reservations and housekeeping. Opportunities are also available in product services, and technology support and sales.

Semester Hour Credits

I. General Education Courses

COM 110	Intro to Communications	3
	or	
COM 231	Public Speaking	3
ENG 111	Expository Writing	3
Humanities/Fine Arts Elective		3
MAT115 or higher		3
Social/Behavioral Science Elective		3

II. Major Courses

CUL 110	Sanitation and Safety	2
HRM 110	Intro to Hosp & Tourism	3
HRM 140	Legal Issues-Hospitality	3
HRM 220	Cost Control-Food & Bev	3
HRM 240	Marketing for Hospitality	3
HRM 245	Human Resource Mgmt-Hospitality.	3
HRM 280	Mgmt Problems-Hospitality	3
ACC 175	Hotel and Restaurant Accounting	4
	or	
ACC 120	Principles of Financial Accounting I	4
COE 111(HR)	Co-op Work Experience I	1
COE 121(HR)	Co-op Work Experience II	1

III. Other Major Courses

CUL 110A	Sanitation and Safety Lab	1
COE 115(HR)	Work Experience Seminar I	1
COE 125(HR)	Work Experience Seminar II	1
HRM 124	Guest Service Management	3
HRM 160	Info Systems for Hosp	3
HRM 260	Procurement for Hosp	3
HRM 215	Restaurant Management	3
HRM 215A	Restaurant Management Lab	1
HRM 220A	Cost Control-Food & Bev Lab	1

IV. Hospitality Management Electives*

Students must take at least 15 SHC from the following:

COE 110(HR)	World of Work	1
COE 131(HR)	Co-op Work Experience III	1
CUL 142	Fundamentals of Food	5
FST 102	Foodservice Skills I	8
HRM 115	Housekeeping	3
HRM 115A	Housekeeping Lab	1
HRM 120	Front Office Procedures	3
HRM 120A	Front Office Procedures Lab	1
HRM 130	Bed and Breakfast Management	3
HRM 135	Facilities Management	3
HRM 210	Meetings & Event Planning	3
HRM 225	Beverage Management	3
HRM 228	Mixology	3
HRM 230	Club and Resort Management	3
HRM 275	Leadership-Hospitality	3
HRM 285	Service Projects-Hosp	5

*Suggested Tracks:
Food Service: HRM 135, HRM 225, HRM 228, HRM 285
Lodging: HRM 115/A, HRM 120/A, HRM 130, HRM 210
Club: HRM 135, HRM 210, HRM 225, HRM 228, HRM 230

Total Credits 73

FALL SEMESTER I	FALL SEMESTER II
CUL 110	ACC 175
CUL 110A	COE 121 (HR)
	COE 125 (HR)
HRM 110	HRM 220
HRM124	HRM 220A
HRM 160	
MAT 115 or higher	HRM 240
	Hotel/Restaurant Elective

SPRING SEMESTER I	SPRING SEMESTER II
COM 110	HRM 215
or	HRM 215A
COM 231	HRM 280
HRM 140	Hotel/Restaurant Elective/s
HRM 245	Social/Behav Science Elect
HRM 260	or
HRM Elective	Humanities/Fine Arts Elect

SUMMER SEMESTER I
COE111(HR)
COE115(HR)
ENG 111
Social/Behav Science Elect
or
Humanities/Fine Arts Elect

Hospitality Management
Certificate Program

Semester Hour Credits

I. General Education Courses

HRM 110	Intro to Hosp & Tourism	3
HRM 124	Guest Service Management	3
HRM 245	Human Resource Mgmt-Hospitality.	3

II. Hospitality Management Electives

Students must select 9 SHC from the following: (Note: If you elect to take COE 110, COE 111(HR) and COE 115(HR), these classes must be taken as one 3 hour option)

CUL 110	Sanitation and Safety	2
CUL 110A	Sanitation and Safety Lab	1
HRM 120	Front Office Procedures	3
HRM 120A	Front Office Procedures Lab	1
HRM 130	Bed and Breakfast Management	3
HRM 140	Legal Issues-Hospitality	3
HRM 210	Meetings & Event Planning	3
HRM 215	Restaurant Management	3
HRM 215A	Restaurant Management Lab	1
HRM 225	Beverage Management	3
HRM 230	Club and Resort Management	3
COE 110	World of Work	1
COE 111(HR)	Co-op Work Experience I	1
COE 115(HR)	Work Experience Seminar I	1

Total Credits 18

FALL SEMESTER I	**SUMMER SEMESTER I**
HRM 110	HRM 245
HRM 124	4 - 6 hours of elective
3 hours of elective	

Industrial Systems Technology

A.A.S. DEGREE (A50240)
DIPLOMA (D50240)
CERTIFICATE (C50240)

Associate in Applied Science Program

The Industrial Systems Technology curriculum is designed to prepare or upgrade individuals to service, maintain, repair, or install equipment for a wide range of industries. Instruction includes theory and skill training needed for inspecting, testing, troubleshooting, and diagnosing industrial equipment and physical facilities.

Students will learn technical skills in blueprint reading, electricity, hydraulics/pneumatics, machining, welding, and various maintenance procedures. Practical application in these industrial systems will be emphasized and additional advanced course work may be offered.

Upon completion of any of the various levels of this curriculum, graduates should gain the necessary practical skills and related technical information to qualify for employment or advancement in the various areas of industrial maintenance technology.

Semester Hour Credits

I. General Education Courses

ENG 111	Expository Writing	3
ENG 114	Professional Research & Reporting	3
Humanities/Fine Arts Elective		3
MAT 121	Algebra/Trigonometry I	3
Social/Behavioral Science Elective		3

II. Major Courses

AHR 120	HVACR Maintenance	2
BPR 111	Blueprint Reading	2
BPR 121	Blueprint Reading: Mechanical	2
CIS 111	Basic PC Literacy	2
ELC 111	Introduction to Electricity	3
ELC 112	DC/AC Electricity	5
ELC 113	Basic Wiring I	4
ELC 114	Basic Wiring II	4
ELC 117	Motors and Controls	4
ELC 125	Diagrams and Schematics	2
HYD 110	Hydraulics/Pneumatics I	3
ISC 112	Industrial Safety	2
MEC 130	Mechanisms	3
MNT 110	Introduction to Maintenance Procedures	2
MNT 111	Maintenance Practices	3
MNT 131	Metal Working Processes	3
MNT 220	Rigging and Moving	2
MNT 230	Pumps and Piping Systems	2
PLU 111	Introduction to Basic Plumbing	2
WLD 112	Basic Welding Processes	2

Total Credits 69

FALL SEMESTER I
BPR 111
ELC 111
MAT 121
MNT 110
MNT 131
PLU 111

FALL SEMESTER II
ELC 112
ELC 113
ENG 114
Social/Behav Science Elect

SPRING SEMESTER I
BPR 121
ENG 111
HYD 110
ISC 112
MEC 130
MNT 111

SPRING SEMESTER II
ELC 114
ELC 117
ELC 125
WLD 112
Humanities/Fine Arts Elect

SUMMER SEMESTER I
AHR 120
CIS 111
MNT 220
MNT 230

Industrial Systems Technology
Diploma Program

I. General Education Courses

ENG 111	Expository Writing	3
MAT 121	Algebra/Trigonometry I	3

II. Major Courses

AHR 120	HVACR Maintenance	2
BPR 111	Blueprint Reading	2
BPR 121	Blueprint Reading: Mechanical	2
CIS 111	Basic PC Literacy	2
ELC 111	Introduction to Electricity	3
ELC 125	Diagrams and Schematics	2
HYD 110	Hydraulics/Pneumatics I	3
ISC 112	Industrial Safety	2
MEC 130	Mechanisms	3
MNT 110	Introduction to Maintenance Procedures	2
MNT 111	Maintenance Practices	3
MNT 131	Metal Working Processes	3
MNT 220	Rigging and Moving	2
MNT 230	Pumps and Piping Systems	2
PLU 111	Introduction to Basic Plumbing	2
WLD 112	Basic Welding Processes	2

Total Credits 43

FALL SEMESTER I
BPR 111
ELC 111
MAT 121
MNT 110
MNT 131
PLU 111

SUMMER SEMESTER I
AHR 120
CIS 111
ELC 125
MNT 220
MNT 230

SPRING SEMESTER I
BPR 121
ENG 111
HYD 110
ISC 112
MEC 130
MNT 111
WLD 112

Industrial Systems Technology
Certificate Program

Semester Hour Credits

I. General Education Courses

MEC 130	Mechanisms	3
MNT 110	Introduction to Maintenance Procedures	2
MNT 111	Maintenance Practices	3
MNT 131	Metal Working Processes	3
HYD 110	Hydraulics/Pneumatics I	3

Total Credits 14

Interior Design

A.A.S. DEGREE (A30220)

Associate in Applied Science Program

The Interior Design curriculum is designed to prepare students for a variety of job opportunities in the field of both residential and non-residential interior design. The focus of the studies is technical knowledge, professional practices, and aesthetic principles.

Curriculum content includes residential and non-residential interior design, architectural drafting, computer aided design, and universal design. Also included are basic design, history of interiors and furnishings, color theory, products, business practices, graphic presentations, and general education courses.

Graduates should qualify for a variety of jobs including residential and commercial interior design, showroom design, and sales positions for furniture, textiles and accessories, and all business dealing with interiors.

Semester Hour Credits

I. General Education Courses

ART 111	Art Appreciation	3
Social/Behavioral Science Elective		3
ENG 111	Expository Writing	3
ENG 114	Professional Research & Reporting	3
MAT 115	Mathematical Models (or higher)	3

II. Major Courses

DES 110	Architectural Graphics	2
DES 111	Creative Problem Solving	2
DES 115	Color Theory	3
DES 120	CAD for Interior Design	2
DES 125	Graphic Presentation I	2
DES 126	Graphic Presentation II	2
DES 135	Principles and Elem. of Design I	4
DES 136	Principles and Elem. of Design II	4
DES 210	Business Practices/Interior Design	2
DES 220	Principles of Interior Design	3
DES 225	Textiles/Fabrics	3
DES 230	Residential Design I	3
DES 231	Residential Design II	3
DES 235	Products	3
DES 240	Commercial/Contract Design I	3
DES 241	Commercial/Contract Design II	3
DES 256	History of Interiors and Furnishings II	3
DES 285	Capstone/Interior Design	4

III. Interior Design Electives

Students must take at least 3 SHC from the following:

CIS 110	Intro to Computers	3
COE 111(ID)	Co-op Work Experience I	1
COE 121(ID)	Co-op Work Experience II	1
COE 131(ID)	Co-op Work Experience III	1
DES 121	CAD for Int Des/Advanced	2
DES 255	History/Int & Furn I	3
DES 260	Materials Calc/Int. Design	3
DES 265	Lighting/Interior Design	2

Total Credits 69

FALL SEMESTER I	FALL SEMESTER II
ART 111	DES 210
DES 110	DES 230
DES 125	DES 235
DES 135	DES 240
DES 225	DES 256
MAT 115 or Higher	

SPRING SEMESTER I	SPRING SEMESTER II
DES 115	DES 231
DES 120	DES 241
DES 136	DES 285
DES 220	ENG 114
ENG 111	Interior Design Elective
Social/Behav. Science Elect	

SUMMER SEMESTER II

DES 111
DES 126

Landscape Gardening

A.A.S. DEGREE (A15260)
CERTIFICATE (C15260)
RETENTION POND MANAGEMENT CERTIFICATE (C15260R)

Associate in Applied Science Program

The Landscape Gardening curriculum emphasizes intensive, practical, hands-on training in applied horticulture to reinforce classroom lecture on theory and technique.

Course work includes plant propagation, greenhouse and nursery plant culture, turf management, plant identification, arborculture, diseases and pests of plants, and landscape planning, maintenance, and construction.

Graduates will be prepared for employment opportunities in applied horticulture related to landscape development and maintenance for residential and commercial operations. Graduates should be prepared to take the North Carolina Pesticide Applicator's Examination and the North Carolina Certified Plant Professional Examination.

Semester Hour Credits

I. General Education Courses

ENG 111	Expository Writing	3
MAT 120	Geometry and Trigonometry	3
ENG 114	Prof. Research & Reporting	3
Humanities/Fine Arts Elective		3
Social/Behavioral Science Elective		3

II. Major Courses

COE 111(LG)	Co-op Work Experience I	1
COE 121(LG)	Co-op Work Experience II	1
COE 131(LG)	Co-op Work Experience III	1
HOR 114	Landscape Construction	3
HOR 134	Greenhouse Operations	3
LSG 111	Basic Landscape Techniques	2
LSG 121	Fall Gardening Lab	2

LSG 122	Spring Gardening Lab	2
LSG 123	Summer Gardening Lab	2
LSG 231	Landscape Supervision	4
TRF 110	Introduction to Turfgrass Cultivation and Identification	4

III. Other Major Courses

HOR 112	Landscape Design I	3
HOR 142	Fruit & Vegetable Prod	2
HOR 160	Plant Materials I	3
HOR 164	Hort Pest Management	3
HOR 213	Landscape Design II	3
HOR 235	Greenhouse Production	3
HOR 260	Plant Materials II	3
HOR 271	Garden Center Mgmt	2
LSG 232	Garden Management	2

Total Credits 64

FALL SEMESTER I	FALL SEMESTER II
ENG 111	COE 131(LG)
Humanities/Fine Arts Elect	HOR 112
LSG 111	LSG 231
LSG 121	LSG 232
HOR 114	ENG 114
HOR 164	

SPRING SEMESTER I	SPRING SEMESTER II
COE 111(LG)	HOR 213
HOR 134	HOR 235
HOR 142	HOR 271
HOR 160	TRF 110
LSG 122	Social/Behav Science Elect
MAT 120	

SUMMER SEMESTER I
COE 121(LG)
HOR 260
LSG 123

Landscape Gardening
Certificate Program

Semester Hour Credits

I. General Education Courses

HOR 164	Hort Pest Management	3
HOR 160	Plant Materials I	3
LSG 111	Basic Landscape Techniques	2
LSG 121	Fall Gardening Lab	2
TRF 110	Intro. To Turf	4

Total Credits 14

FALL SEMESTER I	SPRING SEMESTER I
HOR 164	HOR 160
LSG 111	TRF 110
LSG 121	

Landscape Gardening
RETENTION POND MANAGEMENT
Certificate Program

The Retention Pond Management Certificate Program provides a heavy concentration of hands-on retention pond management experience using retention ponds at the CFCC North Campus. Students will learn how to select aquatic and wetland plants for use around a retention pond including planting, fertilization and pruning. Students will also learn the basics of aquatic and wetland weed management and pest control and will receive the North Carolina Commercial Aquatic Pest Control license and the Commercial Pesticide Ground Applicators license.

Semester Hour Credits

I. General Education Courses

LSG 111	Basic Landscape Techniques	2
LSG 121	Fall Gardening Lab	2
HOR 160	Plant Materials I	3
HOR 164	Horticultural Pest Management	3
LSG 122	Spring Gardening Lab	2

Total Credits 12

FALL SEMESTER I	SPRING SEMESTER I
HOR 164	HOR 160
LSG 111	LSG 122
LSG 121	

LPN Refresher

See Nursing Programs page 195.

Manicuring/Nail Technology

CERTIFICATE (C55140)

Certificate Program

The Manicuring/Nail Technology curriculum provides competency-based knowledge, scientific/artistic principles, and hands-on fundamentals associated with the nail technology industry. The curriculum provides a simulated salon environment which enables students to develop manipulative skills.

Course work includes instruction in all phases of professional nail technology, product knowledge, and other related topics.

Graduates should be prepared to take the North Carolina Cosmetology State Board Licensing Exam and upon passing be licensed and qualify for employment in beauty and nail salons, as a platform artist, and in related businesses.

Semester Hour Credits

I. Major Courses

COS 121	Manicure/Nail Technology I	6
COS 222	Manicure/Nail Technology II	6

Total Credit: 12

FALL SEMESTER I	SPRING SEMESTER I
COS 121	COS 121
COS 222	COS 222

Marine and Diesel Mechanics

(Heavy Equipment and Transport Technology-Marine Systems Concentration)

A.A.S. DEGREE (A6024C)
DIPLOMA (D6024C)
CERTIFICATE (C6024C)

Associate in Applied Science Program

This curriculum provides training for individuals interested in becoming technicians which service and maintain the propulsion systems of boats and other types of marine and industrial equipment.

The course work includes the maintenance and repair procedures of mechanical, electrical, hydraulics equipment used on marine systems. Students will inspect and test equipment to determine the cause of faulty operation, and then repair and replace defective parts.

Graduates of the curriculum should qualify as marine technicians which may be employed in marinas, shipyards, industrial and trucking industries.

Semester Hour Credits

I. General Education Courses

ENG 111	Expository Writing	3
ENG 114	Professional Research & Reporting	3
MAT 120	Geometry and Trigonometry	3
Humanities/Fine Arts Elective		3
Social/Behavioral Science Elective		3

II. Major Courses

CIS 111	Basic PC Literacy	2
HET 110	Diesel Engines	6
HET 112	Diesel Electrical Systems	5
HET 114	Power Trains	5
HET 115	Electronic Engines	3
HET 116	Air Condit./Diesel Equip.	2
HET 118	Mechanical Orientation	2
HET 120	Introduction to Mobile Equipment	2
HET 121	Marine Engines	4
HET 125	Preventive Maintenance	2
HET 128	Medium/Heavy Duty Tune Up	2
HET 134	Mechanical Fuel Injection	3
HET 145	Marine Electricity	4
HET 147	Marine Power Trains	4
HET 229	Brakes and Steering	2
HYD 112	Hydraulics/Medium/Heavy Duty	2
WLD 112	Basic Welding Processes	2

Total Credits 67

FALL SEMESTER I	FALL SEMESTER II
HET 110	HET 114
HET 118	HET 125
HET 121	Humanities/Fine Arts Elect
ENG 111	HYD 112

SPRING SEMESTER I	SPRING SEMESTER II
CIS 111	HET 116
ENG 114	HET 128
HET 112	HET 229
HET 120	MAT 120
HET 145	Social/Behav Science Elect

SUMMER SEMESTER I
HET 115
HET 134
HET 147

Marine and Diesel Mechanics
Diploma Program

Semester Hour Credits

I. General Education Courses

ENG 111	Expository Writing	3
MAT 120	Geometry and Trigonometry	3

II. Major Courses

CIS 111	Basic PC Literacy	2
HET 110	Diesel Engines	6
HET 112	Diesel Electrical Systems	5
HET 115	Electronic Engines	3
HET 118	Mechanical Orientation	2
HET 121	Marine Engines	4
HET 134	Mechanical Fuel Injection	3
HET 145	Marine Electricity	4
HET 147	Marine Power Trains	4
WLD 112	Basic Welding Processes	2

Total Credits 41

FALL SEMESTER I
ENG 111
HET 110
HET 118
HET 121

SUMMER SEMESTER I
HET 115
HET 134
HET 147
WLD 112

SPRING SEMESTER I
CIS 111
HET 112
HET 145
MAT 120

Marine and Diesel Mechanics
Certificate Program

Semester Hour Credits

I. General Education Courses

HET 110	Diesel Engines	6
HET 112	Diesel Electrical Systems	5
HET 121	Marine Engines	4

Total Credits 15

Marine Technology

A.A.S. DEGREE (A15320)

Associate in Applied Science

This curriculum is designed to provide the practical and academic skills essential for success in marine scientific support. Students will receive training in observational and measurement techniques aboard a variety of vessels including the College's own ocean-going research vessel.

Course work includes a unique blend of traditional and contemporary vocational, technical and scientific marine education. Students are trained in the use of physical, chemical, meteorological, biological, and geological oceanographic instrumentation and sampling equipment.

Graduates should qualify for entry level field or laboratory positions with industries, state and federal agencies, and educational facilities associated with marine science and research. Career opportunities include oceanography, environmental science, marine biology, geophysical exploration, and fisheries-related employment.

Semester Hour Credits

I. General Education Courses

Humanities / Fine Arts Elective		3
Social/ Behavioral Science Elective		3
ENG 111	Expository Writing	3
ENG 114	Professional Research and Reporting	3
MAT 121	Algebra/ Trigonometry I	3

II. Major Courses

CIS 111	Basic PC Literacy	2
ELN 114	Marine Electronics	2
MSC 110	Training Cruise I	1
MSC 112	Training Cruise II	1
MSC 114	Training Cruise III	1
MSC 122	Boat Handling/ Seamanship	3
MSC 124	Industrial Skills	3
MSC 126	Marine Engines	2
MSC 132	Fishing Gear Technology I	3
MSC 134	Fishing Gear Technology II	2
MSC 150	Navigation	3
MSC 152	Marine Instrumentation	2
MSC 154	Marine Photography	3
MSC 160	Oceanography	4
MSC 172	Marine Biology	3
MSC 174	Marine Invertebrate Zoology	4
MSC 180	Water Analysis	3
MSC 216	Training Cruise IV	1
MSC 218	Training Cruise V	1
MSC 220	Marine GIS	3
MSC 254	Marine Data Processing	2
MSC 256	Hydrographic Surveying	2
MSC 258	CAD & Multimedia Display	2
MSC 276	Marine Vertebrate Zoology	4

Total Credits 72

FALL SEMESTER I
CIS 111
MSC 110
MSC 122
MSC 132
MSC 172

FALL SEMESTER II
Humanities/Fine Arts Elect
MSC 160
MSC 174
MSC 216
MSC 258
Social/Behav Science Elect

SPRING SEMESTER I
MAT 121
MSC 112
MSC 124
MSC 150
MSC 154
MSC 276

SPRING SEMESTER II
ELN 114
ENG 114
MSC 180
MSC 218
MSC 220
MSC 254
MSC 256

SUMMER SEMESTER I
ENG 111
MSC 114
MSC 126
MSC 134
MSC 152

Mechanical Engineering Technology

A.A.S. DEGREE (A40320)
DIPLOMA (D40320)
CERTIFICATE (C40320C)

Associate in Applied Science Program

The Mechanical Engineering Technology curriculum prepares graduates for employment as technicians in the diversified mechanical and manufacturing engineering fields. Mechanical Engineering technicians assist in design, development, testing, process design and improvement, and troubleshooting and repair of engineered systems. Emphasis is placed on the integration of theory and hands-on application of engineering principles.

In addition to course work in engineering graphics, engineering fundamentals, materials and manufacturing processes, mathematics, and physics, students will study computer applications, critical thinking, planning and problem solving, and oral and written communications.

Graduates of the curriculum will find employment opportunities in the manufacturing or service sectors of engineering technology. Engineering technicians may obtain professional certification by application to organizations such as ASQ, SME, and NICET.

Semester Hour Credits

I. General Education Courses

COM 110	Intro to Communication	3
ENG 111	Expository Writing	3
MAT 121	Algebra/Trigonometry I	3
Humanities/Fine Arts Elective		3
Social/Behavorial Science Elective		3

II. Major Courses

ATR 112	Introduction to Automation	3
DDF 211	Design Process I	4
DDF 212	Design Process II	4
DFT 111	Technical Drafting I	2
DFT 111A	Technical Drafting I Lab	1
DFT 112	Technical Drafting II	2
DFT 112A	Technical Drafting II Lab	1
DFT 151	CAD I	3
DFT 152	CAD II	3
DFT 154	Intro Solid Model/Render	3
DFT 211	Gears, Cams, & Pulleys	2
DFT 231	Jig and Fixture Design	2
ELC 111	Intro to Electricity	3
HYD 110	Hydraulics/Pneumatics I	3
MEC 110	Introduction to CAD/CAM	2
MEC 111	Machine Processes I	3
MEC 145	Manufacturing Materials I	3
MEC 250	Statics and Strength	5
PHY 131	Physics/Mechanics	4

III. Mechanical Engineering Electives

Choose a minimum of 4 hours from the following:

CIS 110	Introduction to Computers	3
CSC 133	C-Programming	3
CSC 139	Visual BASIC Programming	3
CSC 151	Java Programming	3
DFT 254	Interm Solid Model/Render	3
ELC 113	Basic Wiring I	4
ELC 125	Diagrams and Schematics	2
ISC 112	Industrial Safety	2
MAC 121	Intro to CNC	2
MAC 124	CNC Milling	2
WLD 112	Basic Welding Processes	2
WLD 121	GMAW (MIG) Plate/Pipe	4

Total Credits 72/73

FALL SEMESTER I	FALL SEMESTER II
COM 110	ATR 112
DFT 111	DDF 211
DFT 111A	ELC 111
DFT 151	Humanities/Fine Arts Elect
MAT 121	MEC 250
MEC 111	

SPRING SEMESTER I	SPRING SEMESTER II
DFT 112	DDF 212
DFT 112A	DFT 231
DFT 152	HYD 110
ENG 111	Mechanical Eng Elective
MEC 110	Social/Behav Sci Elect
MEC 145	

SUMMER SEMESTER I
DFT 154
DFT 211
ISC 112*
PHY 131
*Recommended but not required.

Mechanical Engineering Technology

CAD DRAFTING
Diploma Program

Semester Hour Credits

I. General Education Courses

ENG 111	Expository Writing	3
COM 110	Intro to Communication	3
MAT 121	Algebra/Trigonometry I	3

II. Major Courses

DFT 111	Technical Drafting I	2
DFT 111A	Technical Drafting I Lab	1
DFT 112	Technical Drafting II	2
DFT 112A	Technical Drafting II Lab	1
DFT 151	CAD I	3
DFT 152	CAD II	3
DFT 154	Intro Solid Model/Render	3
DFT 211	Gears, Cams, & Pulleys	2
ISC 112	Industrial Safety	2

MEC 110	Introduction to CAD/CAM	2
MEC 111	Machine Processes I	3
MEC 145	Manufacturing Materials I	3
PHY 131	Physics/Mechanics	4

Total Credits 40

FALL SEMESTER I	SUMMER SEMESTER I
COM 110	DFT 154
DFT 111	DFT 211
DFT 111A	ISC 112
DFT 151	PHY 131
MAT 121	
MEC 111	

SPRING SEMESTER I
DFT 112
DFT 112A
DFT 152
ENG 111
MEC 110
MEC 145

Mechanical Engineering Technology
CAD DRAFTING
Certificate Program

I. General Education Courses		Semester Hour Credits
DFT 111	Technical Drafting I	2
DFT 111A	Technical Drafting I Lab	1
DFT 112	Technical Drafting II	2
DFT 112A	Technical Drafting II Lab	1
DFT 151	CAD I	3
DFT 152	CAD II	3

Total Credits: 12

FALL SEMESTER I	SPRING SEMESTER I
DFT 111	DFT 112
DFT 111A	DFT 112A
DFT 151	DFT 152

Medical Office Administration

A.A.S. DEGREE A25310

Associate in Applied Science Program

This curriculum prepares individuals for employment in medical and other health-care related offices.

Course work will include medical terminology; information systems; office management; medical coding, billing and insurance; legal and ethical issues; and formatting and word processing.

Students will learn administrative and support functions and develop skills applicable in medical environments. Employment opportunities are available in medical and dental offices, hospitals, insurance companies, laboratories, medical supply companies, and other health-care related organizations.

I. General Education Courses		Semester Hour Credits
ENG 111	Expository Writing	3
COM110	Intro to Communication	3
3 SHC Natural Science, or Math 115 or higher		3
Social/Behavioral Science Elective		3
Humanities/Fine Arts Elective		3

II. Major Courses		
ACC 120	Principles of Financial Accounting I	4
BIO 106	Anatomy/Physiology/Microbiology	3
	or	
BIO 163	Basic Anat & Physiology	5
	or	
BIO 168	Anatomy & Physiology I	4
CIS 110	Introduction to Computers	3
CTS 130	Spreadsheet Concepts	3
DBA 110	Database Concepts	3
MED 121	Medical Terminology I	3
MED 122	Medical Terminology II	3
OST 131	Keyboarding	2
OST 136	Word Processing	3
OST 148	Medical Coding, Billing and Insurance	3
OST 149	Medical Legal Issues	3
OST 164	Text Editing Applications	3
OST 201	Medical Transcription I	4
OST 202	Medical Transcription II	4
OST 243	Medical Office Simulation	3
OST 247	CPT Coding in the Medical Office	2
OST 248	Diagnostic Coding	2
OST 289	Administrative Office Management	3

III. Medical Office Administration Electives

Students must select 1 from the following:

BUS 137	Principles of Management	3
BUS 240	Business Ethics	3
COE 111(MO)	Co-op Experience I	1
MKT 223	Customer Service	3

Total Credits 70/71/72

FALL SEMESTER I
BIO 106 or BIO 163
or BIO 168
CIS 110
MED 121
OST 131
OST 136

FALL SEMESTER II
COM 110
MOA Elective
CTS 130
OST 148
Math/Science Elective
Humanities/Fine Arts Elect

SPRING SEMESTER I
ENG 111
MED 122
OST 149
OST 164
OST 201

SPRING SEMESTER II
ACC 120
DBA 110
OST 243
OST 289
Social/Behav Science Elect

SUMMER SEMESTER I
OST 202
OST 247
OST 248

Medical Sonography

A.A.S. DEGREE A45440

This program has selective admission requirements. Contact the Counseling Office for information and application deadlines.

Associate in Applied Science Program

The Medical Sonography curriculum provides knowledge and clinical skills in the application of high frequency sound waves to image internal body structures.

Course work includes physics, cross-sectional anatomy, abdominal, introductory vascular, and obstetrical/gynecological sonography. Competencies are attained in identification of normal anatomy and pathological processes, use of equipment, fetal growth and development, integration of related imaging, and patient interaction skills.

Graduates of accredited programs are eligible to take National Registry Examinations in ultrasound physics and instrumentation and specialty examinations administered by the American Registry of Diagnostic Medical Sonographers. Graduates may find employment in clinics, physicians' offices, mobile services, equipment manufacturers, hospitals, and educational institutions.

Students are required to pass the computer competency test administered in the Learning Lab, or pass CIS 110 or CIS 111.

Semester Hour Credits

I. General Education Courses

BIO 163	Basic Anatomy and Physiology	5
ENG 111	Expository Writing	3
ENG 114	Professional Research and Reporting	3
Humanities/Fine Arts Elective		3
MAT 115	Mathematical Models	3
PHY 110	Conceptual Physics	3
PHY 110A	Conceptual Physics Lab	1
PSY 150	General Psychology	3

II. Major Courses

SON 110	Introduction to Sonography	3
SON 111	Sonographic Physics	4
SON 120	SON Clinical Education I	5
SON 121	SON Clinical Education II	5
SON 130	Abdominal Sonography I	3
SON 131	Abdominal Sonography II	2
SON 140	Gynecologic Sonography	2
SON 220	SON Clinical Education III	8
SON 221	SON Clinical Education IV	8
SON 225	Case Studies	1
SON 241	Obstetrical Sonography I	2
SON 242	Obstetrical Sonography II	2
SON 250	Vascular Sonography	2
SON 272	Advanced Pathology	1
SON 289	Sonographic Topics	2

Total Credits 74

FALL SEMESTER I
BIO 163
MAT 115
PHY 110
PHY 110 A
SON 110
SON 130

FALL SEMESTER II
ENG 111
SON 220
SON 242
SON 250

SPRING SEMESTER I
SON 111
SON 120
SON 131
SON 140

SPRING SEMESTER II
ENG 114
SON 221
SON 225
SON 272
SON 289

SUMMER SEMESTER I
Humanities/Fine Arts Elect
(HUM 115 recommended)
PSY 150
SON 121
SON 241

Medical Transcription

DIPLOMA (D25320)

Diploma Program

The Medical Transcription curriculum prepares individuals to become medical language specialists who interpret and transcribe dictation by physicians and other healthcare professionals in order to document patient care and facilitate delivery of healthcare services.

Students will gain extensive knowledge of medical terminology, pharmacology, human diseases, diagnostic studies, surgical procedures, and laboratory procedures. In addition to word processing skills and knowledge of voice processing equipment, students must master English grammar, spelling, and proofreading.

Graduates should qualify for employment in hospitals, medical clinics, doctors' offices, private transcription businesses, research facilities, insurance companies, and publishing companies. After acquiring work experience, individuals can apply to the American Association for Medical Transcription to become Certified Medical Transcriptionists.

Semester Hour Credits

I. General Education Courses

COM 110	Introduction to Communication	3
ENG 111	Expository Writing	3

II. Major Courses

BIO 106	Anatomy/Physiology/Microbiology	3
	or	
BIO 163	Basic Anat & Physiology	5
	or	
BIO 168	Anatomy & Physiology I	4
CIS 110	Intro to Computers	3
MED 121	Medical Terminology I	3
MED 122	Medical Terminology II	3
OST 131	Keyboarding	2
OST 136	Word Processing	3
OST 149	Med Legal Issues	3
OST 164	Text Editing Applications	3
OST 201	Medical Transcription I	4
OST 202	Medical Transcription II	4
OST 247	Procedure Coding	2
OST 248	Diagnostic Coding	2

Total Credits 41/43

FALL SEMESTER I

BIO 106
ENG 111
MED 121
OST 131
OST 136

SPRING SEMESTER I

COM 110
MED 122
OST 149
OST 164
OST 201

SUMMER SEMESTER I

CIS 110
OST 202
OST 247
OST 248

Nuclear Technology

A.A.S. DEGREE (A50460)

Associate in Applied Science Program

The Nuclear Technology curriculum prepares individuals to become qualified reactor field service technicians who conduct inspections and implement repairs and modifications to licensed nuclear facilities which have light water reactors that are shut down for refueling.

Course work includes theory and application related to industrial and engineering technology disciplines including nuclear reactor theory, boiling water reactor systems, quality control, industrial and nuclear safety, instrumentation, electrical generation, automation and robotics, welding, and various metallurgical inspection procedures.

Upon completion, graduates should qualify as entry-level nuclear reactor service technicians and have academic preparations to advance into other industrial or engineering technician positions within the commercial nuclear power industry.

Semester Hour Credits

I. General Education Courses

ENG 111	Expository Writing	3
ENG 114	Professional Research/Reporting	3
HUM 115	Critical Thinking	3
MAT 121	Algebra/Trigonometry I	3
3 SHC Social/Behavioral Science Elective	*(from selection below)*	
ECO 151	Survey of Economics	3
POL 110	Intro Political Science	3
PSY 150	General Psychology	3
SOC 210	Introduction to Sociology	3

II. Major Courses

ATR 112	Introduction to Automation	3
CIS 110	Introduction to Computers	3
COE 111NT	Co-op Work Experience I	1
ELC 117	Motors and Controls	4
ELC 131	DC/AC Circuit Analysis	5
ELC 213	Instrumentation	4
HYD 110	Hydraulics/Pneumatics I	3
ISC 112	Industrial Safety	2
ISC 130	Intro to Quality Control	3
MAT 122	Algebra/Trigonometry II	3
MEC 111	Machine Processes I	3
MEC 130	Mechanisms	3
NUC 110	Nuclear Reactor Systems	3
NUC 120	Nuclear Reactor Theory	4
NUC 130	Applied NDE - Nuclear	2
PHY 131	Physics - Mechanics	4
PHY 132	Physics - Electricity & Magnetism	4
WLD 112	Basic Welding Processes	2
WLD 143	Welding Metallurgy	2

Total Credits 73

For those beginning the program in the Fall Semester:

FALL SEMESTER I	FALL SEMESTER II
ATR 112	CIS 110
ELC 131	ELC 213
ENG 111	ISC 130
MAT 121	NUC 120
MEC 111	PHY 132

SPRING SEMESTER I	SPRING SEMESTER II
ELC 117	COE 111NT
HUM 115	
HYD 110	
MAT 122	
NUC 110	

SUMMER SEMESTER I	SUMMER SEMESTER II
ENG 114	ISC 112
MEC 130	NUC 130
PHY 131	Social/Behav Sci Elect
WLD 112	WLD 143

For those beginning the program in the Spring Semester:

SPRING SEMESTER I	SPRING SEMESTER II
ATR 112	COE 111NT
ELC 131	
ISC 112	
ISC 130	
MAT 121	
WLD 112	

SUMMER SEMESTER I	SUMMER SEMESTER II
CIS 110	ENG 114
ENG 111	MEC 130
PHY 131	Social/Behav Sci Elective
	WLD 143

FALL SEMESTER I	FALL SEMESTER II
ELC 117	ELC 213
HUM 115	HYD 110
MAT 122	MEC 111
NUC 110	NUC 120
PHY 132	NUC 130

Note: Actual course sequence may vary from that stated above depending upon prior college credits. Contact the Lead Instructor regarding individual schedule and course selections.

NURSING PROGRAMS

Associate Degree Nursing (RN)

A.A.S. DEGREE-RN (A45110)

This program has selective admission requirements. Contact the Counseling Office for information and application deadlines.

Associate in Applied Science Program

The Associate Degree Nursing curriculum provides knowledge, skills, and strategies to integrate safety and quality into nursing care, to practice in a dynamic environment, and to meet individual needs which impact health, quality of life, and achievement of potential.

Course work includes and builds upon the domains of healthcare, nursing practice, and the holistic individual. Content emphasizes the nurse as a member of the interdisciplinary team providing safe, individualized care while employing evidence-based practice, quality improvement, and informatics.

Graduates of this program are eligible to apply to take the National Council Licensure Examination (NCLEX-RN). Employment opportunities are vast within the global health care system and may include positions within acute, chronic, extended, industrial, and community health care facilities.

		Semester Hour Credits
I. General Education Courses		
BIO 168	Anatomy & Physiology I	4
BIO 169	Anatomy & Physiology II	4
ENG 111	Expository Writing	3
ENG 112	Argument-Based Research	3
	or	
ENG 114	Professional Research & Reporting	3
Humanities/Fine Arts Elective		3
PSY 150	General Psychology	3
II. Major Courses		
BIO 175	General Microbiology	3
NUR 111	Intro to Health Concepts	8
NUR 112	Health-Illness Concepts	5
NUR 113	Family Health Concepts	5
NUR 114	Holistic Health Concepts	5
NUR 211	Health Care Concepts	5
NUR 212	Health System Concepts	5
NUR 213	Complex Health Concepts	10
PSY 241	Developmental Psych	3
III. Other Required Courses		
CIS 111	Basic PC Literacy	2
	or	
CIS 110	Introduction to Computers	3

*Students must achieve a "C" or higher in each course in the curriculum in order to progress semester by semester and to graduate.

Total Credits 71

FALL SEMESTER I
BIO 168
NUR 111
PSY 150

FALL SEMESTER II
BIO 175
ENG 111
NUR 211
NUR 212

SPRING SEMESTER I
BIO 169
NUR 112
NUR 114
PSY 241

SPRING SEMESTER II
ENG 114 or ENG 112
Humanities/Fine Arts Elect
NUR 213

SUMMER SEMESTER I
CIS 111 or CIS 110
NUR 113

LPN Refresher

CERTIFICATE-LPN (C45390)

This program has selective admission requirements. Contact the Director of Allied Health for information and application deadlines.

Certificate

The Licensed Practical Nurse Refresher curriculum provides a refresher course for individuals previously licensed as Practical Nurses and who are ineligible for reentry into nursing practice due to a lapse in licensure for five or more years. Individuals entering this curriculum must have been previously licensed as a Practical Nurse.

Course work includes common medical-surgical conditions and nursing approaches to their management, including mental health principles, pharmacological concepts, and safe clinical nursing practice.

Graduates will be eligible to apply for reinstatement of licensure by the North Carolina Board of Nursing. Employment opportunities include hospitals, long term care facilities, clinics, physicians' offices, industry, and community health agencies.

		Semester Hour Credits
I. General Education Courses		
NUR 107	LPN Refresher	
	NUR 107A	9
	NUR 107B	3
Total Credits		**12**

Practical Nursing (LPN)

DIPLOMA (D45660)

This program has selective admission requirements. Contact the Counseling Office for information and application deadlines.

Diploma Program

The Practical Nursing curriculum prepares individuals with the knowledge and skills to provide nursing care to individuals across the lifespan.

Students will participate in data collection, implementing, and evaluating nursing care provided.

Graduates are eligible to apply to take the National Council Licensure Examination (NCLEX-PN) which is required for practice as a Licensed Practical Nurse. Employment opportunities include hospitals, rehabilitation/long term care/home health facilities, clinics, and physicians' offices.

Students are required to pass the computer competency test administered in the Learning Lab, or pass CIS 110 or CIS 111.

		Semester Hour Credits
I. General Education Courses		
BIO 163	Basic Anatomy and Physiology	5
ENG 111	Expository Writing	3
PSY 150	General Psychology	3
PSY 241	Developmental Psych	3
II. Major Courses		
NUR 101	Practical Nursing I	11
NUR 102	Practical Nursing II	12
NUR 103	Practical Nursing III	10
Total Credits		**47**

FALL SEMESTER I
BIO 163
NUR 101
PSY 150

SUMMER SEMESTER I
NUR 103

SPRING SEMESTER I
ENG 111
NUR 102
PSY 241

Note: CNA classes are offered through Continuing Education. Please call (910) 362-7170 for information.

Occupational Therapy Assistant

A.A.S. DEGREE (A45500)

This program has selective admission requirements. Contact the Counseling Office for information and application deadlines.

Associate in Applied Science Program

The Occupational Therapy Assistant curriculum prepares individuals to work under the supervision of a registered/licensed occupational therapist in screening, assessing, planning, and implementing treatment and documenting progress for clients receiving occupational therapy services.

Course work includes human growth and development, conditions which interfere with activities of daily living, theory and process of occupational therapy, individual/group treatment activities, therapeutic use of self, activity analysis, and grading/adapting activities and environments.

Graduates may be eligible to take the national certification examination for practice as a certified occupational therapy assistant. Employment opportunities include hospitals, rehabilitation facilities, long-term/extended care facilities, sheltered workshops, schools, home health programs, and community programs. Successful completion of the program is required for certification and licensure.

The National Board of Certification in Occupational Therapy administers the national certification examination. The NBCOT is the certifying body for occupational therapy practitioners.

I. General Education Course

		Semester Hour Credits
BIO 169	Anatomy and Physiology II	4
COM 110	Intro to Communication	3
	or	
COM 120	Intro to Interpersonal Communication	3
ENG 111	Expository Writing	3
ENG 112	Argument Based Research	3
	or	
ENG 114	Professional Research and Reporting	3
Humanities/Fine Arts Elective		3
PSY 150	General Psychology	3

II. Major Courses:

BIO 168	Anatomy and Physiology I	4
CIS 110	Introduction to Computers	3
	or	
CIS 111	Basic PC Literacy	2
OTA 110	Fundamentals of OT	3
OTA 120	OT Media I	2
OTA 130	Assessment Skills	3
OTA 140	Professional Skills I	1
OTA 150	Life Span Skills I	3
OTA 161	Fieldwork I Placement 1	1
OTA 162	Fieldwork I Placement 2	1
OTA 163	Fieldwork I Placement 3	1
OTA 170	Physical Dysfunction	3
OTA 180	Psychosocial Dysfunction	3
OTA 220	OT Media II	3
OTA 240	Professional Skills II	1
OTA 250	Life Span Skills II	3
OTA 260	Fieldwork II Placement 1	6
OTA 261	Fieldwork II Placement 2	6
PSY 241	Developmental Psychology	3
PSY 281	Abnormal Psychology	3

III. Occupational Therapy Assistant Electives

Students must select 3 SHC from the following:

BUS 230	Small Business Management	3
PSY 265	Behavioral Modifications	3
SOC 210	Intro To Sociology	3
SOC 213	Sociology of the Family	3
SOC 220	Social Problems	3
SOC 240	Social Psychology	3

Total Credits 75/76

The Occupational Therapy Assistant program at CFCC is accredited by the Accreditation Council for Occupational Therapy Education (ACOTE) of the American Occupational Therapy Association (AOTA), located at 5720 Montgomery Lane, P.O. Box 31220, Bethesda, MD 20824-1220. AOTA's phone number is (301) 652-AOTA.

FALL SEMESTER I
BIO 168
COM 110 or 120
ENG 111
OTA 110
OTA 120
OTA 140
PSY 150

SPRING SEMESTER I
BIO 169
OTA 130
OTA 150
OTA 170
PSY 241

SUMMER SEMESTER I
CIS 110 or CIS 111
OTA 162
OTA 220
PSY 281

FALL SEMESTER II
ENG 112 or 114
Humanities/Fine Arts Elect
OTA 163
OTA 180
OTA 240
OTA 250
Occupat Therapy Elective

SPRING SEMESTER II
OTA 260
OTA 261
OTA 161

Students in the OTA program must achieve a "C" or higher in each course within the curriculum in order to fulfill graduation requirements. OTA core courses cannot be taken out of sequence.

Level II fieldwork placements must be completed within 12 months of completion of the didactic course work.

Paralegal Technology

(Legal Assistant)

A.A.S. DEGREE (A25380)
DIPLOMA (D25380)
CERTIFICATE-CIVIL LITIGATION TRACK (C25380C)
CERTIFICATE-CIVIL REAL PROPERTY TRACK (C25380R)

Associate in Applied Science Program

The Paralegal Technology curriculum prepares individuals to work under the supervision of attorneys by performing routine legal tasks, and assisting with substantive legal work. A paralegal/legal assistant may not practice law, give legal advice, or represent clients in a court of law.

Course work includes substantive and procedural legal knowledge in the areas of civil litigation, legal research and writing, real estate, family law, wills, estates, trusts, and commercial law. Required courses also include subjects such as English, mathematics, and computer utilization.

Graduates are trained to assist attorneys in probate work, investigations, public records search, drafting and filing legal documents, research, and office management. Employment opportunities are available in private law firms, governmental agencies, banks, insurance agencies, and other business organizations.

Semester Hour Credits

I. General Education Courses

COM 231	Public Speaking	3
ENG 111	Expository Writing	3
Humanities/Fine Art Elective		3
MAT 140	Survey of Mathematics	3
MAT 140A	Survey of Math Lab	1
Social and Behavioral Science Elective		3

II. Major Courses

LEX 110	Introduction to Paralegal Study	2
LEX 120	Legal Research/Writing I	3
LEX 130	Civil Injuries	3
LEX 140	Civil Litigation I	3
LEX 150	Commercial Law I	3
LEX 210	Real Property I	3
LEX 240	Family Law	3
LEX 250	Wills Estates & Trust	3

III. Other Major Courses

CIS 110	Introduction to Computers	3
COE 111PA	Cooperative Work Experience	1
COE 115PA	Cooperative Work Experience Seminar	1
LEX 121	Legal Research.Writing II	3
LEX 151	Commercial Law II	3
LEX 160	Criminal Law and Procedure	3
LEX 170	Administrative Law	2
LEX 211	Property II	3
LEX 214	Investigation & Trial Prep	3
LEX 260	Bankruptcy & Collections	3
LEX 270	Law Office Management & Tech.	2
LEX 271	Law Office Writing	2
LEX 280	Ethics and Professionalism	2
LEX 287	CLA Review Seminar	2
LEX 289	U.S. Constitutional Law	3

Total Credits: **75**

PARALEGAL TECHNOLOGY (DAY)

FALL SEMESTER I
CIS 110
ENG 111
LEX 110
LEX 130
LEX 150
MAT 140
MAT 140A

FALL SEMESTER II
Humanities/Fine Arts Elect
LEX 210
LEX 214
LEX 240
LEX 260
LEX 270

SPRING SEMESTER I
LEX 120
LEX 140
LEX 151
LEX 160
Social/Behav Science Elect

SPRING SEMESTER II
COE 111PA
COE 115PA
COM 231
LEX 211
LEX 250
LEX 280
LEX 287

SUMMER SEMESTER I
LEX 289
LEX 121
LEX 170
LEX 271

PARALEGAL TECHNOLOGY (NIGHT)

FALL SEMESTER I
ENG 111
LEX 110

SPRING SEMESTER I
LEX 130
LEX 150

SUMMER SEMESTER I
CIS 110
MAT 140
MAT 140A

FALL SEMESTER II
LEX 120
LEX 140
LEX 151

SPRING SEMESTER II
LEX 160
Social/Behav Science Elect

SUMMER SEMESTER II
Hum/Fine Arts Elect
LEX 280

FALL SEMESTER III
LEX 121
LEX 170

SPRING SEMESTER III
LEX 271
LEX 289

SUMMER SEMESTER III
LEX 240
LEX 260

FALL SEMESTER IV
LEX 210
LEX 270

SPRING SEMESTER IV
COM 231
LEX 211

SUMMER SEMESTER IV
COE 111PA
COE 115PA
LEX 287

FALL SEMESTER V
LEX 214
LEX 250

*A new first year class will commence in the Fall Semester of each odd numbered year.

Paralegal Technology
Diploma Program

Semester Hour Credits

I. General Education Courses

COM 231	Public Speaking	3
MAT 140	Survey of Math	3
MAT 140A	Survey of Math Lab	1
LEX 110	Introduction to Paralegal Studies	2
LEX 120	Legal Research and Writing I	3
LEX 130	Civil Injuries	3
LEX 140	Civil Litigation I	3
LEX 150	Commercial Law I	3
LEX 160	Criminal Law	3
LEX 210	Real Property I	3
LEX 240	Family Law	3
LEX 250	Wills, Estate & Trust	3
LEX 260	Bankruptcy & Collections	3
LEX 289	U.S. Constitutional Law	3

Total Credits 39

FALL SEMESTER	FALL SEMESTER
LEX 110	LEX 289
LEX 130	COM 231
LEX 160	MAT 140
LEX 150	MAT 140A
LEX 210	

SPRING SEMESTER
LEX 120
LEX 140
LEX 240
LEX 250
LEX 260

Paralegal Technology
CIVIL LITIGATION TRACK
Certificate Program

Semester Hour Credits

I. General Education Courses

LEX 130	Civil Injuries	3
LEX 140	Civil Litigation I	3
LEX 150	Commercial Law I	3
LEX 214	Investigat & Trial Prep	3
LEX 240	Family Law	3
LEX 250	Wills, Estate & Trust	3

Total Credits 18

FALL SEMESTER I	FALL SEMESTER II
LEX 150	LEX 140
LEX 214	LEX 250

SPRING SEMESTER I
LEX 130
LEX 240

Paralegal Technology
REAL PROPERTY TRACK
Certificate Program

Semester Hour Credits

I. General Education Courses

LEX 150	Commercial Law I	3
LEX 210	Real Property I	3
LEX 211	Real Property II	3
LEX 240	Family Law	3
LEX 250	Wills, Estate & Trust	3
LEX 260	Bankruptcy & Colletions	3

Total Credits 18

FALL SEMESTER I	FALL SEMESTER II
LEX 150	LEX 211
LEX 260	LEX 250

SPRING SEMESTER I
LEX 210
LEX 240

Pharmacy Technology

A.A.S. DEGREE (A45580)
DIPLOMA (D45580)

This program has selective admission requirements. Contact the Counseling Office for information and application deadlines.

Associate in Applied Science Program

The Pharmacy Technology Program prepares individuals to assist the pharmacist in duties that a technician can legally perform and to function within the boundaries prescribed by the pharmacist and the employment agency.

Students will prepare prescription medications, mix intravenous solutions and other specialized medications, update patient profiles, maintain inventories, package medications in unit-dose or med-card form, and gather data used by pharmacists to monitor drug therapy.

Employment opportunities include retail, hospitals, nursing homes, research laboratories, wholesale drug companies, and pharmaceutical manufacturing facilities. Graduates from the program may be eligible to take the National Certification Examination to become a certified pharmacy technician.

Semester Hour Credits

I. General Education Courses

BIO 163	Basic Anatomy and Physiology	5
COM 110	Intro to Communication	3
	or	
COM 120	Intro to Interpersonal Communications	3
ENG 111	Expository Writing	3
MAT 115	Mathematical Models	3
	or	

MAT 140	Survey of Math	3
MAT 140A	Survey of Math Lab	1
PSY 118	Interpersonal Psychology	3
	or	
PSY 150	General Psychology	3

II. Major Courses

PHM 110	Intro to Pharmacy	3
PHM 111	Pharmacy Practice I	4
PHM 115	Pharmacy Calculations	3
PHM 118	Sterile Products	4
PHM 120	Pharmacology I	3
PHM 125	Pharmacology II	3
PHM 133	Pharmacy Clinical	3
PHM 135	Pharmacy Clinical	5
PHM 136	Pharmacy Clinical	6
PHM 140	Trends in Pharmacy	2
PHM 150	Hospital Pharmacy	4
PHM 155	Community Pharmacy	3
PHM 160	Pharm Dosage Forms	3
PHM 165	Pharmacy Prof Practice	2
PHM 265	Professional Issues	3

III. Other Major Courses

PHM 115A	Pharmacy Calculations Lab	1
CIS 110	Intro to Computers	3
	or	
CIS 111	Basic PC Literacy	2

IV. Pharmacy Technology Electives

Students must select 3 SHC from the following:

HUM 115	Critical Thinking	3
PHI 240	Introduction to Ethics	3

Total Credits 74/75

FALL SEMESTER I
BIO 163
CIS 110 or CIS 111
PHM 110
PHM 111
PHM 115
PHM 115A

FALL SEMESTER II
PHM 150
PHM 135
COM 110 or 120
MAT 115 or MAT 140

SPRING SEMESTER I
PHM 118
PHM 120
PHM 136
PSY 118 or 150

SPRING SEMESTER II
PHM 155
PHM 160
PHM 265
HUM 115 or PHI 240

SUMMER SEMESTER I
ENG 111
PHM 125
PHM 133
PHM 140
PHM 165

Pharmacy Technology
Diploma Program

Semester Hour Credits

I. General Education Courses

BIO 163	Basic Anatomy and Physiology	5
ENG 111	Expository Writing	3
PSY 118	Interpersonal Psychology	3
	or	
PSY 150	General Psychology	3

II. Major Courses

PHM 110	Intro to Pharmacy	3
PHM 111	Pharmacy Practice I	4
PHM 115	Pharmacy Calculations	3
PHM 115A	Pharmacy Calculations Lab	1
PHM 118	Sterile Products	4
PHM 120	Pharmacology I	3
PHM 125	Pharmacology II	3
PHM 133	Pharmacy Clinical	3
PHM 136	Pharmacy Clinical	6
PHM 140	Trends in Pharmacy	2
PHM 165	Pharmacy Prof Practice	2

III. Other Major Courses

CIS 110	Intro to Computers	3
	or	
CIS 111	Basic PC Literacy	2

Total Credits 47/48

FALL SEMESTER I
BIO 163
CIS 110 or CIS 111
PHM 110
PHM 111
PHM 115
PHM 115A

SUMMER SEMESTER I
ENG 111
PHM 125
PHM 133
PHM 140
PHM 165

SPRING SEMESTER I
PHM 118
PHM 120
PHM 136
PSY 118 or 150

Phlebotomy

CERTIFICATE (C45600)

This program has selective admission requirements. Contact the Counseling Office for information and application deadlines.

Certificate Program

The Phlebotomy curriculum prepares individuals to obtain blood and other specimens for the purpose of laboratory analysis.

Course work includes proper specimen collection and handling, communication skills, and maintaining patient data.

Graduates may qualify for employment in hospitals, clinics, physician's offices, and other health care settings and may be eligible for national certification as phlebotomy technicians.

Semester Hour Credits

I. Major Courses

PBT 100	Phlebotomy Technology	6
PBT 101	Phlebotomy Practicum	3
PSY 118	Interpersonal Psychology or	3
PSY 150	General Psychology	3

Total Credits 12

Practical Nursing (LPN)

See Nursing Programs page 195.

Radiography

A.A.S. DEGREE (A45700)

This program has selective admission requirements. Contact the Counseling Office for information and application deadlines.

Associate in Applied Science Program

The Radiography curriculum prepares the graduate to be a radiographer, a skilled health care professional who uses radiation to produce images of the human body.

Course work includes clinical rotations to area health care facilities, radiographic exposure, image processing, radiographic procedures, physics, pathology, patient care and management, radiation protection, quality assurance, anatomy and physiology, and radiobiology.

Graduates of this program are eligible to apply to take the American Registry of Radiologic Technologists' national examination for certification and registration as medical radiographers. Graduates may be employed in hospitals, clinics, physicians' offices, medical laboratories, government agencies, and industry.

Semester Hour Credits

I. General Education Courses

BIO 168	Anatomy & Physiology I	4
BIO 169	Anatomy & Physiology II	4
ENG 111	Expository Writing	3
ENG 114	Professional Research & Reporting	3
Humanities/Fine Art Elective		3
PSY 150	General Psychology	3

II. Major Courses

RAD 110	Rad Intro & Patient Care	3
RAD 111	Rad Procedures I	4
RAD 112	Rad Procedures II	4
RAD 121	Radiographic Imaging I	3
RAD 122	Radiographic Imaging II	2
RAD 131	Radiographic Physics I	2
RAD 151	RAD Clinical Ed I	2
RAD 161	RAD Clinical Ed II	5
RAD 171	RAD Clinical Ed III	4
RAD 181	RAD Clinical Elective	1
RAD 211	Rad Procedures III	3
RAD 231	Radiographic Physics II	2
RAD 241	Radiobiology Protection	2
RAD 245	RAD Image Analysis	2
RAD 251	RAD Clinical Ed IV	7
RAD 261	RAD Clinical Ed V	7
RAD 271	Radiography Capstone	1
RAD 281	RAD Clinical Elective	1

Total Credits 75

FALL SEMESTER I	FALL SEMESTER II
BIO 168	PSY 150
ENG 111	RAD 211
RAD 110	RAD 231
RAD 111	RAD 241
RAD 151	RAD 251
RAD 181	

SPRING SEMESTER I	SPRING SEMESTER II
BIO 169	Humanities/Fine Arts Elect
ENG 114	RAD 245
RAD 112	RAD 261
RAD 121	RAD 271
RAD 161	

SUMMER SEMESTER I

RAD 122
RAD 131
RAD 171
RAD 281

Real Estate

CERTIFICATE (C25400)

Certificate Program

The Real Estate Licensing curriculum provides licensing education required by the North Carolina Real Estate Commission for students preparing to take the real estate license examination and for provisional brokers that are seeking removal of the provisional status.

Course work includes the practices and principles of real estate, broker relationships as they apply to customers, sellers and buyers, contract procedures, fair housing and real estate methodology. Course work also includes professional development opportunities.

Graduates who have passed the real estate license examination and obtained a real estate provisional broker license should then qualify for removal of the provisional status and be able to provide basic, residential real estate services as a broker affiliated with a real estate brokerage firm.

A student must secure his/her provisional broker license before proceeding into the post-licensure courses and must complete the three mandatory post-licensing courses within three years of licensure in order to avoid cancellation of his/her license.

Semester Hour Credits

I. Major Courses

RLS 112	Broker Prelicensing	5
RLS 113	Real Estate Mathematics	2
RLS 121	Broker Relations/Responsibilities	2
RLS 122	Contracts and Closing	2
RLS 123	Selected Post-License Topics	2

II. Real Estate Electives

Students must select 1 from the following:

BUS 240	Business Ethics	3
MKT 223	Customer Service	3

Total Credits 16

Surgical Technology

A.A.S. Degree (A45740)

This program has selective admission requirements. Contact the Counseling Office for information and application deadlines.

Associate in Applied Science Program

The Surgical Technology curriculum prepares individuals to assist in the care of the surgical patient in the operating room and to function as a member of the surgical team.

Students will apply theoretical knowledge to the care of patients undergoing surgery and develop skills necessary to prepare supplies, equipment, and instruments; maintain aseptic conditions; prepare patients for surgery; and assist surgeons during operations.

Graduates will be eligible to apply to take the national certification exam for Surgical Technologists which is administered by the National Board of Surgical Technology and Surgical Assisting. Employment opportunities include labor/delivery/emergency departments, Inpatient/Outpatient surgery centers, dialysis units/facilities, physicians' offices, and central supply processing units.

Semester Hour Credits

I. General Education Courses

COM 120	Intro to Interpersonal Communications	3
ENG 111	Expository Writing	3
HUM 115	Critical Thinking	3
MAT 115	Mathematical Models	3
PSY 150	General Psychology	3

II. Major Courses

SUR 110	Introduction to Surgical Technology	3
SUR 111	Perioperative Patient Care	7
SUR 122	Surgical Procedures I	6
SUR 123	Surgical Clinical Practice I	7
SUR 134	Surgical Procedures II	5
SUR 135	Surgical Clinical Practice II	4
SUR 137	Professional Success Preparation	1
SUR 210	Advanced Clinical Practice	2
SUR 211	Advanced Theoretical Concepts	2

III. Other Major Courses

BIO 163	Basic Anatomy & Physiology	5
BIO 175	General Microbiology	3
CIS 110	Introduction to Computers	3
ENG 114	Professional Research & Reporting	3
MED 121	Medical Terminology I	3
MED 122	Medical Terminology II	3

Total Credit Hours:..72

Students must achieve a "C" or higher in each course in the curriculum in order to progress semester by semester and to graduate.

FALL SEMESTER I	FALL SEMESTER II
BIO 163	CIS 110
MED 121	ENG 111
SUR 110	HUM 115
SUR 111	MAT 115
	SUR 210

SPRING SEMESTER I	SPRING SEMESTER II
BIO 175	COM 120
SUR 122	ENG 114
SUR 123	MED 122
	PSY 150
	SUR 137
	SUR 211

SUMMER SEMESTER I
SUR 134
SUR 135

Sustainability Technologies

A.A.S. Degree (A40370)
CERTIFICATE -Sustainability Technology (C40370)
CERTIFICATE - Alternative Energy Technology (C40370A)
CERTIFICATE - Sustainable Building Technologies (C40370S)

The Sustainability Technologies curriculum is designed to prepare individuals for employment in environmental, construction, alternative energy, manufacturing, or related industries, where key emphasis is placed on energy production and waste reduction along with sustainable technologies.

Course work may include alternative energy, environmental engineering technology, sustainable manufacturing, and green building technology. Additional topics may include sustainability, energy management, waste reduction, renewable energy, site assessment, and environmental responsibility.

Graduates should qualify for positions within the alternative energy, construction, environmental, and/or manufacturing industries. Employment opportunities exist in both the government and private industry sectors where graduates may function as manufacturing technicians, sustainability consultants, environmental technicians, or green building supervisors.

Semester Hour Credits

I. General Education Courses

ENG 111	Expository Writing	3
ENG 114	Professional Research & Reporting	3
MAT 121	Algebra/Trigonometry I	3
Humanities/Fine Art Elective		3
Social and Behavioral Science Elective		3

II. Major Courses

ALT 120	Renewable Energy Tech	3
ALT 220	Photovoltaic Sys Tech	3
ALT 250	Thermal Systems	3
CST 244	Sustainable Bldg Design	3
ELC 111	Intro to Electricity	3
ENV 110	Environmental Science	3
SST 110	Intro to Sustainability	3
SST 120	Energy Use Analysis	3
SST 130	Modeling Renewable Energy	3
SST 210	Issues in Sustainability	3

III. Other Major Courses

ALT 221	Adv PV Sys Designs	3
ALT 240	Wind and Hydro Power Sys	3
BPR 130	Blueprint Reading/Const	2
CIS 110	Intro to Computers	3
CMT 210	Prof Construction Superv	3
CMT 212	Total Safety Performance	3
SST 140	Green Building Concepts	2
SST 250	Sustain Capstone Proj	3

IV. Electives

Choose a minimum of 8 hours from the following:

AHR 110	Intro to Refrigeration	5
AHR 111	HVACR Electricity	3
BUS 121	Business Math	3
BUS 230	Small Business Management	3
CMT 214	Planning and Scheduling	3
COE 111(ST)	Co-op Work Experience	1
COE 115(ST)	Co-op Work Experience Seminar I	1
COE 121(ST)	Co-op Work Experience II	1
COE 125(ST)	Work Experience Seminar II	1
ELC 113	Basic Wiring I	4
HOR 114	Landscape Construction	3
HOR 160	Plant Materials I	3
MEC 130	Mechanisms	3
PLU 111	Introduction to Basic Plumbing	2

Total Credit Hours:..75

FALL SEMESTER I	FALL SEMESTER II
BPR 130	
Hum/Fine Arts Elective	ALT 220
CIS 110	ALT 240
SST 110	SST 210
SST 140	ENG 114
	Elective

SPRING SEMESTER I	SPRING SEMESTER II
CMT 210	ALT 221
ENG 111	SST 250
SST 120	ALT 250
CST 244	CMT 212
MAT 121	Elective
Social/Behav Science Elect	

SUMMER SEMESTER I
ALT 120
ELC 111
ENV 110
SST 130

Sustainability Technologies
Certificate Program (C40370)

Semester Hour Credits

I. Major Courses

ALT 120	Renewable Energy Tech	3
ENV 110	Environmental Science	3
SST 110	Intro to Sustainability	3
SST 120	Energy Use Analysis	3
SST 140	Green Building Concepts	2

Total Credits **14**

FALL SEMESTER	SUMMER SEMESTER
SST 110	ALT 120
SST 140	ENV 110

SPRING SEMESTER
SST 120

Alternative Energy Technology
Certificate Program (C40370A)

I. Major Courses

ALT 120	Renewable Energy Tech	3
ALT 220	Photovoltaic Sys Tech	3
ALT 221	Adv PV Sys Designs	3
ALT 240	Wind and Hydro Power Sys	3
ELC 111	Intro to Electricity	3

Total Credits **15**

SUMMER SEMESTER	SPRING SEMESTER
ALT 120	ALT 221
ELC 111	

FALL SEMESTER
ALT 220
ALT 240

Sustainable Building Technologies
Certificate Program (C40370S)

I. Major Courses

SST 130	Modeling Renewable Energy	3
SST 110	Intro to Sustainability	3
CST 244	Sustainable Bldg Design	3
SST 120	Energy Use Analysis	3
SST 140	Green Building Concepts	2

Total Credits **14**

FALL SEMESTER I	SUMMER SEMESTER
SST 110	SST 130
SST 140	

SPRING SEMESTER I
CST 244
SST 120

Truck Driver Training
CERTIFICATE (C60300)

Certificate Program

The Truck Driver Training curriculum prepares individuals to drive tractor trailer rigs. This program teaches proper driving procedures, safe driver responsibility, commercial motor vehicle laws and regulations, and the basic principles and practices for operating commercial vehicles.

The course work includes motor vehicle laws and regulations, map reading, vehicle maintenance, safety procedures, daily logs, defensive driving, freight handling, security, and fire protection. Highway driving, training range exercises, and classroom lectures are used to develop the student's knowledge and skills.

Graduates of the curriculum are qualified to take the Commercial Driver's License and employable by commercial trucking firms. They may also become owner-operators and work as private contract haulers.

Semester Hour Credits

Major Courses

TRP 100	Truck Driver Training	12

Total Credits **12**

Welding Technology

DIPLOMA (D50420)
CERTIFICATE (C50420)

Diploma Program

The Welding Technology curriculum provides students with a sound understanding of the science, technology, and applications essential for successful employment in the welding and metal industry.

Instruction includes consumable and non-consumable electrode welding and cutting processes. Courses in math, blueprint reading, metallurgy, welding inspection, and destructive and non-destructive testing provides the student with industry-standard skills developed through classroom training and practical application.

Successful graduates of the Welding Technology curriculum may be employed as entry level technicians in welding and metalworking industries. Career opportunities also exist in construction, manufacturing, fabrication, sales, quality control, supervision, and welding-related self-employment.

		Semester Hour Credits
I. General Education Courses		
ENG 101	Applied Communications I	3
MAT 101	Applied Mathematics I	3
II. Major Courses		
CIS 111	Basic PC Literacy	2
WLD 110	Cutting Processes	2
WLD 115	SMAW (Stick) Plate	5
WLD 116	SMAW (Stick) Plate/Pipe	4
WLD 121	GMAW (MIG) FCAW/Plate	4
WLD 131	GTAW (TIG) Plate	4
WLD 132	GTAW (TIG) Plate/Pipe	3
WLD 141	Symbols and Specifications	3
WLD 143	Welding Metallurgy	2
WLD 215	SMAW (Stick) Pipe	4
WLD 231	GTAW (TIG) Pipe	3
Total Credits		**42**

FALL SEMESTER I	**SUMMER SEMESTER I**
MAT 101	WLD 215
WLD 110	WLD 231
WLD 115	
WLD 131	
WLD 141	

SPRING SEMESTER I
CIS 111
ENG 101
WLD 116
WLD 121
WLD 132
WLD 143

Welding Technology

Certificate Program

(EVENINGS)

		Semester Hour Credits
I. Major Courses		
WLD 110	Cutting Processes	2
WLD 115	SMAW (Stick) Plate	5
WLD 116	SMAW (Stick) Plate/Pipe	4
WLD 131	GTAW (TIG) Plate	4
Total Credits		**15**

FALL SEMESTER I	**SPRING SEMESTER I**
WLD 110	WLD 116
WLD 115	
WLD 131	

COURSE DESCRIPTIONS

Please Note:

Prerequisite: A course taken prior to another course.

1. CFCC administers one placement test: Accuplacer (CPT). These scores are listed in the course descriptions. Satisfactory scores on placement tests taken at other colleges (SAT, ACT, COMPASS) may be used to waive Reading, Writing and Mathematical prerequisites. See page 10, the Placement Test Advising Guide, for additional information or talk with a counselor.

2. Receipt of transfer credit for ENG 111 or above will waive the Reading and/or Writing prerequisites for certain courses.

3. Receipt of a curriculum math credit will waive the prerequisites for certain courses.

Corequisite: A course taken at the same time as another course or prior to the course to be taken.

Some courses may fulfill a general education requirement-communication or humanities/fine arts, mathematics, natural science, or social/behavioral science-in one of the following programs: AA (Associate in Arts), AS (Associate in Science), AFA (Associate in Fine Arts), AGE (Associate in General Education), AAS (Associate in Applied Science), DIP (Diploma), or CER (Certificate). Any course with a general education classification is identified by the last statement or the last two statements in the course description. Each statement should be read carefully. "SACS" in the description refers to CFCC's accrediting agency, the Southern Association of Colleges and Schools.

ACA 111 College Student Success 1 0 0 1
Prerequisites: None
Corequisites: None

This course introduces the college's physical, academic, and social environment and promotes the personal development essential for success. Topics include campus facilities and resources; policies, procedures, and programs; study skills; and life management issues such as health, self-esteem, motivation, goal-setting, diversity, and communication. Upon completion, students should be able to function effectively within the college environment to meet their educational objectives.

ACA 122 College Transfer Success 1 0 0 1
Prerequisites: None
Corequisites: None

This course provides information and strategies necessary to develop clear academic and professional goals beyond the community college experience. Topics include the CAA, college culture, career exploration, gathering information on senior institutions, strategic planning, critical thinking, and communication skills for a successful academic transition. Upon completion, students should be able to develop an academic plan to transition successfully to senior institutions. *This course has been approved to satisfy the Comprehensive Articulation Agreement for transferability as a premajor and/or elective course requirement.*

ACC 120 Prin of Financial Acct 3 2 0 4
Prerequisites: Proficiency in Reading - A grade of "C" or better in ENG 095 or RED 090 OR minimum Accuplacer score of 80 on Reading
Corequisites: None

This course introduces business decision-making accounting information systems. Emphasis is placed on analyzing, summarizing, reporting, and interpreting financial information. Upon completion, students should be able to prepare financial statements, understand the role of financial information in decision-making and address ethical considerations. *This course has been approved to satisfy the Comprehensive Articulation Agreement for transferability as a pre-major and/or elective course requirement.*

ACC 121 Prin of Managerial Acct 3 2 0 4
Prerequisites: A grade of "C" or better in ACC 120
Corequisites: None

This course includes a greater emphasis on managerial and cost accounting skills. Emphasis is placed on managerial accounting concepts for external and internal analysis, reporting and decision-making. Upon completion, students should be able to analyze and interpret transactions relating to managerial concepts including product-costing systems. *This course has been approved to satisfy the Comprehensive Articulation Agreement for transferability as a pre-major and/or elective course requirement.*

ACC 122 Principles of Financial Accounting II 3 0 0 3
Prerequisites: ACC 120 with a grade of "C" or better
Corequisites: None

This course provides additional instruction in the financial accounting concepts and procedures introduced in ACC 120. Emphasis is placed on the analysis of specific balance sheet accounts, with in-depth instruction of the accounting principles applied to these accounts. Upon completion, students should be able to analyze data, prepare journal entries, and prepare reports in compliance with generally accepted accounting principles.

ACC 129 Individual Income Taxes 2 2 0 3
Prerequisites: ACC 120
Corequisites: None

This course introduces the relevant laws governing individual income taxation. Topics include tax law, electronic research and methodologies, and the use of technology for preparation of individual tax returns. Upon completion, students should be able to analyze basic tax scenarios, research applicable tax law, and complete various individual tax forms.

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ACC 130 Business Income Taxes 2 2 0 3
Prerequisites: ACC 129
Corequisites: None

This course introduces the relevant laws governing business and fiduciary income taxes. Topics include tax law relating to business organizations, electronic research and methodologies, and the use of technology for the preparation of business tax returns. Upon completion, students should be able to analyze basic tax scenarios, research applicable tax law, and complete various business tax forms. This course is also available through the Virtual Learning Community (VLC).

ACC 140 Payroll Accounting 1 2 0 2
Prerequisites: ACC 115 or ACC 120
Corequisites: None

This course covers federal and state laws pertaining to wages, payroll taxes, payroll tax forms, and journal and general ledger transactions. Emphasis is placed on computing wages; calculating social security, income, and unemployment taxes; preparing appropriate payroll tax forms; and journalizing/posting transactions. Upon completion, students should be able to analyze data, make appropriate computations, complete forms, and prepare accounting entries.

ACC 150 Accounting Software Application 1 2 0 2
Prerequisites: ACC 115 or ACC 120 and CIS 110 or CIS 111
Corequisites: None

This course introduces microcomputer applications related to accounting systems. Topics include general ledger, accounts receivable, accounts payable, inventory, payroll, and correcting, adjusting, and closing entries. Upon completion, students should be able to use a computer accounting package to solve accounting problems.

ACC 175 Hotel & Restaurant Acct 3 2 0 4
Prerequisites: None
Corequisites: None

This course covers generally accepted accounting principles and the uniform system of accounts for small hotels and motels of the American Hotel and Motel Association. Emphasis is placed on the accounting cycle, analysis of financial statements, and payroll procedures including treatment of tips. Upon completion, students should be able to demonstrate competence in the accounting principles and procedures used in hotels and restaurants.

ACC 220 Intermediate Accounting I 3 2 0 4
Prerequisites: ACC 120 and ACC 122
Corequisites: None

This course is a continuation of the study of accounting principles with in-depth coverage of theoretical concepts and financial statements. Topics include generally accepted accounting principles and an extensive analyses of financial statements. Upon completion, students should be able to demonstrate competence in the conceptual framework underlying financial accounting, including the application of financial standards.

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ACC 221 Intermediate Acct II 3 2 0 4
Prerequisites: ACC 220
Corequisites: None

This course is a continuation of ACC 220. Emphasis is placed on special problems which may include leases, bonds, investments, ratio analyses, present value applications, accounting changes, and corrections. Upon completion, students should be able to demonstrate an understanding of the principles involved and display an analytical problem-solving ability for the topics covered.

ACC 225 Cost Accounting 3 0 0 3
Prerequisites: ACC 121
Corequisites: None

This course introduces the nature and purposes of cost accounting as an information system for planning and control. Topics include direct materials, direct labor, factory overhead, process, job order, and standard cost systems. Upon completion, students should be able to demonstrate an understanding of the principles involved and display an analytical problem-solving ability for the topics covered. This course is also available through the Virtual Learning Community (VLC).

AHR 110 Intro to Refrigeration 2 6 0 5
Prerequisites: None
Corequisites: None

This course introduces the basic refrigeration process used in mechanical refrigeration and air conditioning systems. Topics include terminology, safety, and identification and function of components; refrigeration cycle; and tools and instrumentation used in mechanical refrigeration systems. Upon completion, students should be able to identify refrigeration systems and components, explain the refrigeration process, and use the tools and instrumentation of the trade.

AHR 111 HVACR Electricity 2 2 0 3
Prerequisites: None
Corequisites: None

This course introduces electricity as it applies to HVACR equipment. Emphasis is placed on power sources, interaction of electrical components, wiring of simple circuits, and the use of electrical test equipment. Upon completion, students should be able to demonstrate good wiring practices and the ability to read simple wiring diagrams.

AHR 112 Heating Technology 2 4 0 4
Prerequisites: None
Corequisites: None

This course covers the fundamentals of heating including oil, gas, and electric heating systems. Topics include safety, tools and instrumentation, system operating characteristics, installation techniques, efficiency testing, electrical power, and control systems. Upon completion, students should be able to explain

Class Lab Clinical Credit

the basic oil, gas, and electrical heating systems and describe the major components of a heating system.

AHR 113 Comfort Cooling 2 4 0 4
Prerequisites: AHR 110
Corequisites: None

This course covers the installation procedures, system operations, and maintenance of residential and light commercial comfort cooling systems. Topics include terminology, component operation, and testing and repair of equipment used to control and produce assured comfort levels. Upon completion, students should be able to use psychometrics, manufacturer specifications, and test instruments to determine proper system operation.

AHR 114 Heat Pump Technology 2 4 0 4
Prerequisites: AHR 110 or AHR 113
Corequisites: None

This course covers the principles of air source and water source heat pumps. Emphasis is placed on safety, modes of operation, defrost systems, refrigerant charging, and system performance. Upon completion, students should be able to understand and analyze system performance and perform routine service procedures.

AHR 115 Refrigeration Systems 1 3 0 2
Prerequisites: AHR 110
Corequisites: None

This course introduces refrigeration systems and applications. Topics include defrost methods, safety and operational control, refrigerant piping, refrigerant recovery and charging, and leak testing. Upon completion, students should be able to assist in installing and testing refrigeration systems and perform simple repairs.

AHR 120 HVAC Maintenance 1 3 0 2
Prerequisites: None
Corequisites: None

This course introduces the basic principles of industrial air conditioning and heating systems. Emphasis is placed on preventive maintenance procedures for heating and cooling equipment and related components. Upon completion, students should be able to perform routine preventive maintenance tasks, maintain records, and assist in routine equipment repairs.

AHR 130 HVAC Controls 2 2 0 3
Prerequisites: AHR 111 or ELC 111
Corequisites: None

This course covers the types of controls found in residential and commercial comfort systems. Topics include electrical and electronic controls, control schematics and diagrams, test instruments, and analysis and troubleshooting of electrical systems. Upon completion, students should be able to diagnose and repair common residential and commercial comfort system controls.

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AHR 133 HVAC Servicing 2 6 0 4
Prerequisites: None
Corequisites: AHR 112 or AHR 113

The course covers the maintenance and servicing of HVAC equipment. Topics include testing, adjusting, maintaining, and troubleshooting HVAC equipment and record keeping. Upon completion, students should be able to adjust, maintain, and service HVAC equipment.

AHR 140 All-Weather Systems 1 3 0 2
Prerequisites: AHR 112 or AHR 113
Corequisites: None

This course covers the principles of combination heating and cooling systems including gas-electric, all-electric, and oil-electric systems. Topics include PTAC's and package and split-system units. Upon completion, students should be able to understand systems performance and perform routine maintenance procedures.

AHR 210 Residential Building Code 1 2 0 2
Prerequisites: None
Corequisites: None

This course covers the residential building codes that are applicable to the design and installation of HVAC systems. Topics include current residential codes as applied to HVAC design, service, and installation. Upon completion, students should be able to demonstrate the correct usage of residential building codes that apply to specific areas of the HVAC trade.

AHR 211 Residential System Design 2 2 0 3
Prerequisites: None
Corequisites: None

This course introduces the principles and concepts of conventional residential heating and cooling system design. Topics include heating and cooling load estimating, basic psychometrics, equipment selection, duct system selection, and system design. Upon completion, students should be able to design a basic residential heating and cooling system.

ALT 120 Renewable Energy Tech 2 2 0 3
Prerequisites: None
Corequisites: None

This course provides an introduction to multiple technologies that allow for the production and conservation of energy from renewable sources. Topics include hydo-electric, wind power, passive and active solar energy, tidal energy, appropriate building techniques, and energy conservation methods. Upon completion, students should be able to demonstrate an understanding of renewable energy production and its impact on humans and their environment.

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ALT 220 Photovoltaic Sys Tech 2 3 0 3
Prerequisites: None
Corequisites: None

This course introduces the concepts, tools, techniques, and materials needed to understand systems that convert solar energy into electricity with photovoltaic (pv) technologies. Topics include site analysis for system integration, building codes, and advances in photovoltaic technology. Upon completion, students should be able to demonstrate an understanding of the principles of photovoltaic technology and current applications.

ALT 221 Adv PV Sys Designs 2 3 0 3
Prerequisites: ALT 220
Corequisites: None

This course introduces specific elements in photovoltaic (pv) systems technologies including efficiency, modules, inverters, charge controllers, batteries, and system installation. Topics include National Electrical Code (NEC), electrical specifications, photovoltaic system components, array design and power integration requirements that combine to form a unified structure. Upon completion, students should be able to demonstrate an understanding of various photovoltaic designs and proper installation of NEC compliant solar electric power systems.

ALT 240 Wind & Hydro Power Sys 2 2 0 3
Prerequisite: None
Corequisites: None

This course introduces concepts, designs, tools, techniques, and material requirements for systems that convert wind and water into usable energy. Topics include the analysis, measurement, and estimation of potential energy of wind and water systems. Upon completion, students should be able to demonstrate an understanding of the technologies associated with converting wind and water into a viable energy source.

ALT 250 Thermal Systems 2 2 0 3
Prerequisite: None
Corequisites: None

This course introduces concepts, tools, techniques, and materials used to convert thermal energy into a viable, renewable energy resource. Topics include forced convection, heat flow and exchange, radiation, the various elements of thermal system design, regulations, and system installation and maintenance. Upon completion, students should be able to demonstrate an understanding of geothermal and solar thermal systems and corresponding regulations.

ANT 210 General Anthropology 3 0 0 3
Prerequisites: Proficiency in Reading - A grade of "C" or better in ENG 095 or RED 090 OR minimum Accuplacer score of 80 on Reading
Corequisites: None

This course introduces the physical, archaeological, linguistic, and ethnological fields of anthropology. Topics include human origins, genetic variations, archaeology, linguistics, primatology, and contemporary cultures. Upon completion, students should be able to demonstrate an understanding of the four major fields of anthropology. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in social/behavioral sciences. This course may meet the SACS social/behavioral science requirement for AA, AS, AFA, AGE, AAS, DIP, or CER programs.*

Class Lab Clinical Credit

ANT 220 Cultural Anthropology 3 0 0 3
Prerequisites: Proficiency in Reading - A grade of "C" or better in ENG 095 or RED 090 OR minimum Accuplacer score of 80 on Reading
Corequisites: None

This course introduces the nature of human culture. Emphasis is placed on cultural theory, methods of fieldwork, and cross-cultural comparisons in the areas of ethnology, language, and the cultural past. Upon completion, students should be able to demonstrate an understanding of basic cultural processes and how cultural data are collected and analyzed. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in social/behavioral sciences. This course may meet the SACS social/behavioral science requirement for AA, AS, AFA, AGE, AAS, DIP, or CER programs.*

ARC 111 Introduction to Architectural Technology 1 6 0 3
Prerequisites: Proficiency in Reading - A grade of "C" or better in ENG 085 or RED 080 or minimum Accuplacer score of 57 on Reading. Proficiency in Arithmetic Skills - A grade of "C" or better in MAT 060 or minimum Accuplacer score of 55 on Arithmetic.
Corequisites: ARC 112

This course introduces basic architectural drafting techniques, lettering, use of architectural and engineer scales, and sketching. Topics include orthographic, isometric, and oblique drawing techniques using architectural plans, elevations, sections, and details; reprographic techniques; and other related topics. Upon completion, students should be able to prepare and print scaled drawings within minimum architectural standards.

ARC 112 Construction Materials & Methods 3 2 0 4
Prerequisites: Proficiency in Reading - A grade of "C" or better in ENG 085 or RED 080 or minimum Accuplacer score of 57 on Reading. Proficiency in Arithmetic Skills - A grade of "C" or better in MAT 060 or minimum Accuplacer score of 55 on Arithmetic.
Corequisites: ARC 111

This course introduces construction materials and their methodologies. Topics include construction terminology, materials and their properties, manufacturing processes, construction techniques, and other related topics. Upon completion, students should be able to detail construction assemblies and identify construction materials and properties.

Class Lab Clinical Credit

ARC 113 Residential Architectural Technology 1 6 0 3
Prerequisites: ARC 111 and ARC 112
Corequisites: ARC 114 and ARC 114A

This course covers intermediate residential working drawings. Topics include residential plans, elevations, sections, details, schedules, and other related topics. Upon completion, students should be able to prepare a set of residential working drawings that are within accepted architectural standards.

ARC 114 Architectural CAD 1 3 0 2
Prerequisites: ARC 111 and ARC 112
Corequisites: ARC 113 and ARC 114A

This course introduces basic architectural CAD techniques. Topics include basic commands and system hardware and software. Upon completion, students should be able to prepare and plot architectural drawings to scale within accepted architectural standards.

ARC 114A Architectural CAD Lab 0 3 0 1
Prerequisites: ARC 111 and ARC 112
Corequisites: ARC 113 and ARC 114

This course provides a laboratory setting to enhance architectural CAD skills. Emphasis is placed on further development of commands and system operation. Upon completion, students should be able to prepare and plot scaled architectural drawings.

ARC 131 Building Codes 2 2 0 3
Prerequisites: ARC 112, ENG 111
Corequisites: None

This course covers the methods of researching building codes for specific projects. Topics include residential and commercial building codes. Upon completion, students should be able to determine the code constraints governing residential and commercial projects.

ARC 211 Light Construction Technology 1 6 0 3
Prerequisites: ARC 112 and ARC 113 and ARC 230
Corequisites: ARC 221

This course covers working drawings for light construction. Topics include plans, elevations, sections, and details; schedules; and other related topics. Upon completion, students should be able to prepare a set of working drawings which are within accepted architectural standards.

ARC 213 Design Project 2 6 0 4
Prerequisites: ARC 211, ARC 221, ARC 230
Corequisites: None

This course provides the opportunity to design and prepare a set of contract documents within an architectural setting. Topics include schematic design, design development, construction documents, and other related topics. Upon completion, students should be able to prepare a set of commercial contract documents.

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ARC 220 Advanced Architect CAD 1 3 0 2
Prerequisites: ARC 114 and ARC 114A
Corequisites: None

This course provides file management, productivity, and CAD customization skills. Emphasis is placed on developing advanced proficiency techniques. Upon completion, students should be able to create prototype drawings and symbol libraries, compose sheets with multiple details, and use advanced drawing and editing commands.

ARC 221 Architectural 3-D CAD 1 4 0 3
Prerequisites: ARC 114, ARC 220, ARC 230
Corequisites: None

This course introduces architectural three-dimensional CAD applications. Topics include three-dimensional drawing, coordinate systems, viewing, rendering, modeling, and output options. Upon completion, students should be able to prepare architectural three-dimensioning drawings and renderings.

ARC 230 Environmental Systems 3 3 0 4
Prerequisites: ARC 111 and MAT 121, MAT 151, MAT 161, MAT 171, or MAT 175
Corequisites: ARC 220

This course introduces plumbing, mechanical (HVAC), and electrical systems for the architectural environment. Topics include basic plumbing, mechanical, and electrical systems for residential and/or commercial buildings with an introduction to selected code requirements. Upon completion, students should be able to develop schematic drawings for plumbing, mechanical, and electrical systems and perform related calculations.

ARC 231 Architectural Presentations 2 4 0 4
Prerequisites: ARC 111
Corequisites: ARC 221

This course introduces architectural presentation techniques. Topics include perspective drawing, shadow projection, texturization, rendered plans, elevations, and other related topics. Upon completion, students should be able to present ideas graphically and do rendered presentation drawings.

ARC 235 Architectural Portfolio 2 3 0 3
Prerequisites: ARC 211, ARC 220, ARC 221
Corequisites: None

This course covers the methodology for the creation of an architectural portfolio. Topics include preparation of marketing materials and a presentation strategy using conventional and/or digital design media. Upon completion, students should be able to produce an architectural portfolio of selected projects.

ARC 241 Contract Administration 1 2 0 2
Prerequisites: ARC 112, ARC 131, ARC 230
Corequisites: None

This course covers the techniques for reviewing the progress of construction projects. Topics include site observations, field reports, applications for payment, change orders, and other related topics. Upon completion, students should be able to review construction progress and produce appropriate documentation.

ARC 250 Survey of Architecture 3 0 0 3
Prerequisites: ENG 111, CIS 111
Corequisites: None

This course introduces the historical trends in architectural form. Topics include historical and current trends in architecture. Upon completion, students should be able to demonstrate an understanding of significant historical and current architectural styles.

ARC 264 Digital Architecture 1 3 0 2
Prerequisites: ARC 220 and ARC 221 and ARC 231
Corequisites: None

This course covers multiple digital architectural techniques. Topics include spreadsheets and word processing procedures, on-line resources, modems, e-mail, image capture, multimedia, and other related topics. Upon completion, students should be able to transmit/receive electronic data, create multimedia presentations, and produce a desktop publishing document.

ART 111 Art Appreciation 3 0 0 3
Prerequisites: None
Corequisites: None

This course introduces the origins and historical development of art. Emphasis is placed on the relationship of design principles to various art forms including but not limited to sculpture, painting, and architecture. Upon completion, students should be able to identify and analyze a variety of artistic styles, periods, and media. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in humanities/fine arts. The course may meet the SACS humanities/fine arts requirement for AA, AS, AFA, AGE, AAS, DIP, or CER programs.*

ART 114 Art History Survey I 3 0 0 3
Prerequisites: Proficiency in Reading - A grade of "C" or better in ENG 095 or RED 090 OR minimum Accuplacer score of 80 on Reading
Corequisites: None

This course covers the development of art forms from ancient times to the Renaissance. Emphasis is placed on content, terminology, design, and style. Upon completion, students should be able to demonstrate an historical understanding of art as a product reflective of human social development. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in humanities/fine arts. This course may meet the SACS humanities/fine arts requirement for AA, AS, AFA, AGE, AAS, DIP, or CER programs.*

ART 115 Art History Survey II 3 0 0 3
Prerequisites: Proficiency in Reading - A grade of "C" or better in ENG 095 or RED 090 OR minimum Accuplacer score of 80 on Reading
Corequisites: None

This course covers the development of art forms from the Renaissance to the present. Emphasis is placed on content, terminology, design, and style. Upon completion, students should be able to demonstrate an historical understanding of art as a product reflective of human social development. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in humanities/fine arts. This course may meet the SACS humanities/fine arts requirement for AA, AS, AFA, AGE, AAS, DIP, or CER programs.*

ART 116 Survey of American Art 3 0 0 3
Prerequisites: Proficiency in Reading - A grade of "C" or better in ENG 095 or RED 090 OR minimum Accuplacer score of 80 on Reading
Corequisites: None

This course covers the development of American art forms from colonial times to the present. Emphasis is placed on architecture, painting, sculpture, graphics, and the decorative arts. Upon completion, students should be able to demonstrate understanding of the history of the American creative experience. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in humanities/fine arts. This course may meet the SACS humanities/fine arts requirement for AA, AS, AFA, AGE, AAS, DIP, or CER programs.*

ART 117 Non-Western Art History 3 0 0 3
Prerequisites: Proficiency in Reading - A grade of "C" or better in ENG 095 or RED 090 OR minimum Accuplacer score of 80 on Reading
Corequisites: None

This course introduces non-Western cultural perspectives. Emphasis is placed on, but not limited to, African, Oriental, and Oceanic art forms throughout history. Upon completion, students should be able to demonstrate an historical understanding of art as a product reflective of non-Western social and cultural development. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in humanities/fine arts. This course may meet the SACS humanities/fine arts requirement for AA, AS, AFA, AGE, AAS, DIP, or CER programs.*

ART 121 Design I 0 6 0 3
Prerequisites: None
Corequisites: None

This course introduces the elements and principles of design as applied to two-dimensional art. Emphasis is placed on the structural elements, the principles of visual organization, and the theories of color mixing and interaction. Upon completion, students should be able to understand and use critical and analytical approaches as they apply to two-dimensional visual art. *This course has been approved to satisfy the Comprehen-*

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sive Articulation Agreement for transferability as a pre-major and/or elective course requirement. This course may meet the SACS humanities/fine arts requirement for AGE, AAS, DIP, or CER programs.

ART 122 Design II 0 6 0 3
Prerequisites: ART 121
Corequisites: None

This course introduces basic studio problems in three-dimensional visual design. Emphasis is placed on the structural elements and organizational principles as applied to mass and space. Upon completion, students should be able to apply three-dimensional design concepts. *This course has been approved to satisfy the Comprehensive Articulation Agreement for transferability as a pre-major and/or elective course requirement.*

ART 131 Drawing I 0 6 0 3
Prerequisites: None
Corequisites: None

This course introduces the language of drawing and the use of various drawing materials. Emphasis is placed on drawing techniques, media, and graphic principles. Upon completion, students should be able to demonstrate competence in the use of graphic form and various drawing processes. *This course has been approved to satisfy the Comprehensive Articulation Agreement for transferability as a pre-major and/or elective course requirement. This course may meet the SACS humanities/fine arts requirement for AGE, AAS, DIP, or CER programs.*

ART 132 Drawing II 0 6 0 3
Prerequisites: ART 131
Corequisites: None

This course continues instruction in the language of drawing and the use of various materials. Emphasis is placed on experimentation in the use of drawing techniques, media, and graphic materials. Upon completion, students should be able to demonstrate increased competence in the expressive use of graphic form and techniques. *This course has been approved to satisfy the Comprehensive Articulation Agreement for transferability as a pre-major and/or elective course requirement. This course may meet the SACS humanities/fine arts requirement for AGE, AAS, DIP, or CER programs.*

ART 171 Computer Art I 0 6 0 3
Prerequisites: ART 131
Corequisites: None

This course introduces the use of the computer as a tool for solving visual problems. Emphasis is placed on fundamentals of computer literacy and design through bit-mapped image manipulation. Upon completion, students should be able to demonstrate an understanding of paint programs, printers, and scanners to capture, manipulate, and output images. *This course has been approved to satisfy the Comprehensive Articulation Agreement for transferability as a pre-major and/or elective course requirement. This course may meet the SACS humanities/fine arts requirement for AGE, AAS, DIP, or CER programs.*

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ART 212 Gallery Assistantship I 0 2 0 1
Prerequisites: None
Corequisites: None

This course covers the practical application of display techniques. Emphasis is placed on preparation of artwork for installation, hardware systems, and exhibition graphics. Upon completion, students should be able to demonstrate basic gallery exhibition skills. *This course has been approved to satisfy the Comprehensive Articulation Agreement for transferability as a pre-major and/or elective course requirement.*

ART 214 Portfolio and Resume 0 2 0 1
Prerequisites: None
Corequisites: None

This course covers resume writing, interview skills, and the preparation and presentation of an art portfolio. Emphasis is placed on the preparation of a portfolio of original artwork, the preparation of a photographic portfolio, approaches to resume writing, and interview techniques. Upon completion, students should be able to mount original art for portfolio presentation, photograph and display a professional slide portfolio, and write an effective resume. *This course has been approved to satisfy the Comprehensive Articulation Agreement for transferability as a pre-major and/or elective course requirement.*

ART 231 Printmaking I 0 6 0 3
Prerequisites: None
Corequisites: None

This course introduces printmaking: its history, development techniques, and processes. Emphasis is placed on basic applications with investigation into image source and development. Upon completion, students should be able to produce printed images utilizing a variety of methods. *This course has been approved to satisfy the Comprehensive Articulation Agreement for transferability as a pre-major and/or elective course requirement.*

ART 232 Printmaking II 0 6 0 3
Prerequisites: ART 231
Corequisites: None

This course includes additional methods and printmaking processes. Emphasis is placed on the printed image as related to method, source, and concept. Upon completion, students should be able to produce expressive images utilizing both traditional and innovative methods. *This course has been approved to satisfy the Comprehensive Articulation Agreement for transferability as a pre-major and/or elective course requirement.*

ART 240 Painting I 0 6 0 3
Prerequisites: ART 131
Corequisites: None

This course introduces the language of painting and the use of various painting materials. Emphasis is placed on the understanding and use of various painting techniques, media, and color principles. Upon completion, students should be able to demonstrate competence in the use of creative processes directed toward the development of expressive form. *This*

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course has been approved to satisfy the Comprehensive Articulation Agreement for transferability as a pre-major and/or elective course requirement. This course may meet the SACS humanities/fine arts requirement for AGE, AAS, DIP, or CER programs.

ART 241 Painting II 0 6 0 3
Prerequisites: ART 240
Corequisites: None

This course provides a continuing investigation of the materials, processes, and techniques of painting. Emphasis is placed on the exploration of expressive content using a variety of creative processes. Upon completion, students should be able to demonstrate competence in the expanded use of form and variety. *This course has been approved to satisfy the Comprehensive Articulation Agreement for transferability as a pre-major and/or elective course requirement. This course may meet the SACS humanities/fine arts requirement for AGE, AAS, DIP, or CER programs.*

ART 245 Metals I 0 6 0 3
Prerequisites: None
Corequisites: None

This course introduces basic metal design in traditional and contemporary art forms using brass, copper, and silver. Emphasis is placed on designing and fabricating jewelry, small sculptures, and utilitarian objects. Upon completion, students should be able to design and produce small art objects. *This course has been approved to satisfy the Comprehensive Articulation Agreement for transferability as a pre-major and/or elective course requirement.*

ART 246 Metals II 0 6 0 3
Prerequisites: ART 245
Corequisites: None

This course provides a continuation of metal design utilizing basic methods of casting and other processes. Emphasis is placed on individualized design. Upon completion, students should be able to design and produce expressive forms. *This course has been approved to satisfy the Comprehensive Articulation Agreement for transferability as a pre-major and/or elective course requirement.*

ART 247 Jewelry I 0 6 0 3
Prerequisites: None
Corequisites: None

This course introduces a basic understanding of the design and production of jewelry. Emphasis is placed on concepts and techniques using metals and other materials. Upon completion, students should be able to demonstrate an ability to use appropriate methods to create unique jewelry. *This course has been approved to satisfy the Comprehensive Articulation Agreement for transferability as a premajor and/or elective course requirement.*

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ART 248 Jewelry II 0 6 0 3
Prerequisites: ART 247
Corequisites: None

This course is a continuation of the skills learned in ART 247. Emphasis is placed on the creation of individual designs that utilize a variety of techniques such as casting, cloisonné, and plique-a-jour. Upon completion, should be able to create unique jewelry. *This course has been approved to satisfy the Comprehensive Articulation Agreement for transferability as a premajor and/or elective course requirement.*

ART 250 Surface Design: Textiles 0 6 0 3
Prerequisites: None
Corequisites: None

This course introduces the basic principles and elements of art as applied to textile surfaces. Emphasis is placed on direct, top-dyed processes that utilize both synthetic and natural dyes, and techniques such as batiking, stenciling, and stamping. Upon completion, students should be able to demonstrate a basic understanding of appropriate materials and techniques as they apply to original design on a variety of textile surfaces. *This course has been approved to satisfy the Comprehensive Articulation Agreement for transferability as a premajor and/or elective course requirement.*

ART 251 Weaving I 0 6 0 3
Prerequisites: None
Corequisites: None

This course provides a basic understanding of the design and production of constructed textiles. Emphasis is placed on traditional weaving techniques. Upon completion, students should be able to warp and dress the loom and use appropriate techniques for the creation of unique women fabrics. *This course has been approved to satisfy the Comprehensive Articulation Agreement for transferability as a premajor and/or elective course requirement.*

ART 252 Weaving II 0 6 0 3
Prerequisites: ART 251
Corequisites: None

This course furthers an exploration of creative design as it relates to manipulated fiber construction. Emphasis is placed on traditional and experimental methods. Upon completion, students should be able to create fiber constructions that utilize appropriate techniques for individual expressive designs. *This course has been approved to satisfy the Comprehensive Articulation Agreement for transferability as a premajor and/or elective course requirement.*

ART 261 Photography I 0 6 0 3
Prerequisites: None
Corequisites: None

This course introduces photographic equipment, theory, and processes. Emphasis is placed on camera operation, composition, darkroom technique, and creative expression. Upon completion, students should be able to successfully expose, develop, and print a well-conceived composition. *This course* *has been approved to satisfy the Comprehensive Articulation Agreement for transferability as a pre-major and/or elective course requirement. This course may meet the SACS humanities/ fine arts requirement for AGE, AAS, DIP, or CER programs.*

ART 262 Photography II 0 6 0 3
Prerequisites: ART 261
Corequisites: None

This course introduces the creative manipulation of alternative photographic materials and processes such as toning, hand coloring, infrared, and multiple exposure. Emphasis is placed on personal vision and modes of seeing. Upon completion, students should be able to create properly exposed images using a variety of photographic materials and processes. *This course has been approved to satisfy the Comprehensive Articulation Agreement for transferability as a pre-major and/or elective course requirement. This course may meet the SACS humanities/ fine arts requirement for AGE, AAS, DIP, or CER programs.*

ART 264 Digital Photography I 1 4 0 3
Prerequisites: None
Corequisites: None

This course introduces digital photographic equipment, theory and processes. Emphasis is placed on camera operation, composition, computer photo manipulation and creative expression. Upon completion, students should be able to successfully expose, digitally manipulate, and print a well-conceived composition. *This course has been approved to satisfy the Comprehensive Articulation Agreement for transferability as a pre-major and/or elective course requirement.*

ART 265 Digital Photography II 1 4 0 3
Prerequisites: ART 264
Corequisites: None

This course provides exploration of the concepts and processes of photo manipulation through complex composite images, special effects, color balancing and image/text integration. Emphasis is placed on creating a personal vision and style. Upon completion, students should be able to produce well-executed images using a variety of photographic and photo manipulative approaches. *This course has been approved to satisfy the Comprehensive Articulation Agreement for transferability as a pre-major and/or elective course requirement.*

ART 266 Videography I 0 6 0 3
Prerequisites: None
Corequisites: None

This course introduces various aspects of basic video production including concept development, scripting, camera operation, and post-production. Emphasis is placed on creative expression, camera handling, story boarding, and editing. Upon completion, students should be able to demonstrate a basic understanding of video camera operation and production techniques. *This course has been approved to satisfy the Comprehensive Articulation Agreement for transferability as a pre-major and/or elective course requirement. This course may meet the SACS humanities/fine arts requirement for AGE, AAS, DIP, or CER programs.*

ART 267 Videography II 0 6 0 3
Prerequisites: ART 266
Corequisites: None

This course is designed to provide a framework for the production of a long-term video project. Emphasis is placed on realization of the unique creative vision. Upon completion, students should be able to produce a thematically coherent, edited video with sound and titling. *This course has been approved to satisfy the Comprehensive Articulation Agreement for transferability as a pre-major and/or elective course requirement.*

ART 271 Computer Art II 0 6 0 3
Prerequisites: ART 171
Corequisites: None

This course includes advanced computer imaging techniques. Emphasis is placed on creative applications of digital technology. Upon completion, students should be able to demonstrate command of computer systems and applications to express their personal vision. *This course has been approved to satisfy the Comprehensive Articulation Agreement for transferability as a pre-major and/or elective course requirement. This course may meet the SACS humanities/fine arts requirement for AGE, AAS, DIP, or CER programs.*

ART 281 Sculpture I 0 6 0 3
Prerequisites: None
Corequisites: None

This course provides an exploration of the creative and technical methods of sculpture with focus on the traditional processes. Emphasis is placed on developing basic skills as they pertain to three-dimensional expression in various media. Upon completion, students should be able to show competence in variety of sculptural approaches. *This course has been approved to satisfy the Comprehensive Articulation Agreement for transferability as a pre-major and/or elective course requirement. This course may meet the SACS humanities/fine arts requirement for AGE, AAS, DIP, or CER programs.*

ART 282 Sculpture II 0 6 0 3
Prerequisites: ART 281
Corequisites: None

This course builds on the visual and technical skills learned in ART 281. Emphasis is placed on developing original solutions to sculptural problems in a variety of media. Upon completion, students should be able to express individual ideas using the techniques and materials of sculpture. *This course has been approved to satisfy the Comprehensive Articulation Agreement for transferability as a pre-major and/or elective course requirement.*

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ART 283 Ceramics I 0 6 0 3
Prerequisites: None
Corequisites: None

This course provides an introduction to three-dimensional design principles using the medium of clay. Emphasis is placed on fundamentals of forming, surface design, glaze application, and firing. Upon completion, students should be able to demonstrate skills in slab and coil construction, simple wheel forms, glaze technique, and creative expression. *This course has been approved to satisfy the Comprehensive Articulation Agreement for transferability as a pre-major and/or elective course requirement.*

ART 284 Ceramics II 0 6 0 3
Prerequisites: ART 283
Corequisites: None

This course covers advanced hand building and wheel techniques. Emphasis is placed on creative expression, surface design, sculptural quality, and glaze effect. Upon completion, students should be able to demonstrate a high level of technical competence in forming and glazing with a development of three-dimensional awareness. *This course has been approved to satisfy the Comprehensive Articulation Agreement for transferability as a pre-major and/or elective course requirement.*

ART 285 Ceramics III 0 6 0 3
Prerequisites: ART 284
Corequisites: None

This course provides the opportunity for advanced self-determined work in sculptural and functional ceramics. Emphasis is placed on developing the technical awareness of clay bodies, slips, engobes, and firing procedures necessary to fulfill the student's artistic goals. Upon completion, student should be able to demonstrate knowledge of materials and techniques necessary to successfully create original projects in the clay medium. *This course has been approved to satisfy the Comprehensive Articulation Agreement for transferability as a premajor and/or elective course requirement.*

ART 286 Ceramics IV 0 6 0 3
Prerequisites: ART 285
Corequisites: None

This course provides the opportunity for self-determined work in sculptural and functional ceramics. Emphasis is placed on developing the technical awareness of glaze materials, glaze formulation, and firing techniques necessary to fulfill the students' artistic goals. Upon completion, student should be able to demonstrate knowledge of materials and techniques necessary to successfully create original projects in the clay medium. *This course has been approved to satisfy the Comprehensive Articulation Agreement for transferability as a premajor and/or elective course requirement.*

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ART 288 Studio 0 6 0 3
Prerequisites: None
Corequisites: None

This course provides the opportunity for advanced self-determined work beyond the limits of regular studio course sequences. Emphasis is placed on creative self-expression and in-depth exploration of techniques and materials. Upon completion, students should be able to create original projects specific to media, materials, and techniques. *This course has been approved to satisfy the Comprehensive Articulation Agreement for transferability as a pre-major and/or elective course requirement. This course may meet the SACS humanities/fine arts requirement for AGE, AAS, DIP, or CER programs.*

ATR 112 Intro to Automation 2 3 0 3
Prerequisites: None
Corequisites: None

This course introduces the basic principles of automated manufacturing and describes the tasks that technicians perform on the job. Topics include the history, development, and current applications of robots and automated systems including their configuration, operation, components, and controls. Upon completion, students should be able to understand the basic concepts of automation and robotic systems.

AUB 111 Painting & Refinishing I 2 6 0 4
Prerequisites: None
Corequisites: None

This course introduces the proper procedures for using automotive refinishing equipment and materials in surface preparation and application. Topics include federal, state, and local regulations, personal safety, refinishing equipment and materials, surface preparation, masking, application techniques, and other related topics. Upon completion, students should be able to identify and use proper equipment and materials in refinishing following accepted industry standards.

AUB 112 Painting & Refinishing II 2 6 0 4
Prerequisites: AUB 111
Corequisites: None

This course covers advanced painting techniques and technologies with an emphasis on identifying problems encountered by the refinishing technician. Topics include materials application, color matching, correction of refinishing problems, and other related topics. Upon completion, students should be able to perform spot, panel, and overall refinishing repairs and identify and correct refinish problems.

AUB 114 Special Finishes 1 2 0 2
Prerequisites: AUB 111
Corequisites: None

This course introduces multistage finishes, custom painting, and protective coatings. Topics include base coats, advanced intermediate coats, clear coats, and other related topics. Upon completion, students should be able to identify and apply specialized finishes based on accepted industry standards.

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AUB 121 Non-Structural Damage I 1 4 0 3
Prerequisites: None
Corequisites: None

This course introduces safety, tools, and the basic fundamentals of body repair. Topics include shop safety, damage analysis, tools and equipment, repair techniques, materials selection, materials usage, and other related topics. Upon completion, students should be able to identify and repair minor direct and indirect damage including removal/repairing/ replacing of body panels to accepted standards.

AUB 122 Non-Structural Damage II 2 6 0 4
Prerequisites: AUB 121
Corequisites: None

This course covers safety, tools, and advanced body repair . Topics include shop safety, damage analysis, tools and equipment, advanced repair techniques, materials selection, materials usage, movable glass, and other related topics. Upon completion, students should be able to identify and repair or replace direct and indirect damage to accepted standards including movable glass and hardware.

AUB 131 Structural Damage I 2 4 0 4
Prerequisites: None
Corequisites: None

This course introduces safety, equipment, structural damage analysis, and damage repairs. Topics include shop safety, design and construction, structural analysis and measurement, equipment, structural glass, repair techniques, and other related topics. Upon completion, students should be able to analyze and perform repairs to a vehicle which has received light/ moderate structural damage.

AUB 132 Structural Damage II 2 6 0 4
Prerequisites: AUB 131
Corequisites: None

This course provides an in-depth study of structural damage analysis and repairs to vehicles that have received moderate to heavy structural damage. Topics include shop safety, structural analysis and measurement, equipment, structural glass, advanced repair techniques, structural component replacement and alignment, and other related topics. Upon completion, students should be able to analyze and perform repairs according to industry standards.

AUB 134 Autobody MIG Welding 1 4 0 3
Prerequisites: None
Corequisites: None

This course covers the terms and procedures for welding the various metals found in today's autobody repair industry with an emphasis on personal/environmental safety. Topics include safety and precautionary measures, setup/operation of MIG equipment, metal identification methods, types of welds/ joints, techniques, inspection methods, and other related topics. Upon completion, students should be able to demonstrate a basic knowledge of welding operations and safety procedures according to industry standards.

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AUB 136 Plastics & Adhesives 1 4 0 3
Prerequisites: None
Corequisites: None

This course covers safety, plastic and adhesive identification, and the various repair methods of automotive plastic components. Topics include safety, identification, preparation, material selection, and the various repair procedures including refinishing. Upon completion, students should be able to identify, remove, repair, and/or replace automotive plastic components in accordance with industry standards.

AUB 141 Mech & Elec Components I 2 2 0 3
Prerequisites: None
Corequisites: None

This course covers the basic principles of automotive mechanical and electrical components. Topics include personal and environmental safety and suspension and steering, electrical, brake, heating and air-conditioning, cooling, drive train, and restraint systems. Upon completion, students should be able to identify system components and perform basic system diagnostic checks and/or repairs according to industry standards.

AUB 162 Autobody Estimating 1 2 0 2
Prerequisites: None
Corequisites: None

This course provides a comprehensive study of autobody estimating. Topics include collision damage analysis, industry regulations, flat-rate and estimated time, and collision estimating manuals. Upon completion, students should be able to prepare and interpret a damage report.

AUC 114 Custom Fiberglass Skills 2 4 0 4
Prerequisites: None
Corequisites: None

This course will provide instruction in non-metallic customizing and repair techniques. Emphasis will be placed on diagnosis and repair of cracks, proper use of bonding agents, fiberglass body parts removal/replacement, and custom fabrication techniques using fiberglass materials. Upon completion, students should be able to identify types of fiberglass and demonstrate the ability to properly prepare, apply, and finish fiberglass components.

AUT 110 Introduction to Automotive Technology 2 2 0 3
Prerequisites: Proficiency in Reading - A grade of "C" or better in ENG 085 or RED 080 OR minimum Accuplacer score of 57 on Reading
Corequisites: None

This course covers work-place safety, hazardous material and environmental regulations and procedures, proper use of hand tools, use of service information resources, and the basic concepts, systems and terms of automotive technology. Topics include familiarization with vehicle systems along with identification and proper use of various automotive hand and power tools. Upon completion, students should be able to describe safety and environmental procedures, terms associated with automobiles, identify and use basic tools and shop equipment.

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AUT 116 Engine Repair 2 3 0 3
Prerequisites: AUT 110
Corequisites: None

This course covers the theory, construction, inspection, diagnosis, and repair of internal combustion engines and related systems. Topics include fundamental operating principles of engines and diagnosis, inspection, adjustment, and repair of automotive engines using appropriate service information. Upon completion, students should be able to perform basic diagnosis, measurement and repair of automotive engines using appropriate tools, equipment, procedures, and service information.

AUT 116A Engine Repair Lab 0 3 0 1
Prerequisites: None
Corequisites: AUT 116

This course is an optional lab to be used as an alternative to co-op placement in meeting the NATEF standards for total hours. Topics include diagnosis, inspection, adjustment, and repair of automotive engines using appropriate service information. Upon completion, students should be able to perform basic diagnosis, measurement and repair of automotive engines using appropriate tools, equipment, procedures, and service information.

AUT 123 Powertrain Diagnosis and Service 1 3 0 2
Prerequisites: AUT 110
Corequisites: None

This course covers the diagnosis, repair and service of the vehicle powertrain and related systems. Topics include fundamental operating principles of engines and transmissions and use of proper service procedures for diagnosis, service and R & R of major components. Upon completion students should be able to perform basic service and diagnosis of the powertrain and related systems, the students should also be able to perform in vehicle repairs and R & R components.

AUT 141 Suspension & Steering Sys 2 3 0 3
Prerequisites: AUT 110
Corequisites: None

This course covers principles of operation, types, and diagnosis/repair of suspension and steering systems to include steering geometry. Topics include manual and power steering systems and standard and electronically controlled suspension and steering systems. Upon completion, students should be able to service and repair steering and suspension components, check and adjust alignment angles, repair tires, and balance wheels.

AUT 141A Suspension & Steering Lab 0 3 0 1
Prerequisites: None
Corequisites: AUT 141

This course is an optional lab to be used as an alternative to co-op placement in meeting the NATEF standards for total hours. Topics include manual and power steering systems and standard and electronically controlled suspension and steering systems. Upon completion, students should be able to service and repair steering and suspension components, check and adjust alignment angles, repair tires, and balance wheels.

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AUT 151 Brake Systems 2 3 0 3
Prerequisites: Proficiency in Reading - A grade of "C" or better in ENG 085 or RED 080 OR minimum Accuplacer score of 57 on Reading
Corequisites: AUT 151A

This course covers principles of operation and types, diagnosis, service, and repair of brake systems. Topics include drum and disc brakes involving hydraulic, vacuum boost, hydra-boost, electrically powered boost, and anti-lock and parking brake systems. Upon completion, students should be able to diagnose, service, and repair various automotive braking systems.

AUT 151A Brakes Systems Lab 0 3 0 1
Prerequisites: Proficiency in Reading - A grade of "C" or better in ENG 085 or RED 080 OR minimum Accuplacer score of 57 on Reading
Corequisites: AUT 151

This course is an optional lab to be used as an alternative to co-op placement in meeting the NATEF standards for total hours. Topics include drum and disc brakes involving hydraulic, vacuum-boost, hydra-boost, electrically powered boost, and anti-lock, parking brake systems and emerging brake systems technologies. Upon completion, students should be able to diagnose, service, and repair various automotive braking systems.

AUT 161 Basic Automotive Electricity 4 3 0 5
Prerequisites: Proficiency in Reading - A grade of "C" or better in ENG 085 or RED 080 OR minimum Accuplacer score of 57 on Reading
Corequisites: None

This course covers basic electrical theory, wiring diagrams, test equipment, and diagnosis /repair/replacement of batteries, starters, and alternators. Topics include Ohm's Law, Circuit construction, wiring diagrams, circuit testing, and basic trouble shooting. Upon completion, students should be able to read and understand wiring diagrams, diagnose, test, and repair basic wiring, battery, starting, charging, and basic electrical concerns.

AUT 163 Adv Auto Electricity 2 3 0 3
Prerequisites: AUT 161
Corequisites: None

This course covers electronic theory, wiring diagrams, test equipment, and diagnosis, repair, and replacement of electronics, lighting, gauges, horn, wiper, accessories, and body modules. Topics include networking and module communication, circuit construction, wiring diagrams, circuit testing, and troubleshooting. Upon completion, students should be able to properly use wiring diagrams, diagnose, test, and repair wiring, lighting, gauges, accessories, modules, and electronic concerns.

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AUT 163A Adv Auto Electricity Lab 0 3 0 1
Prerequisites: None
Corequisites: AUT 163

This course is an optional lab to be used as an alternative to co-op placement in meeting the NATEF standards for total hours. Topics include networking and module communication, circuit construction, wiring diagrams, circuit testing, troubleshooting and emerging electrical/electronic systems technologies. Upon completion, students should be able to properly use wiring diagrams, diagnose, test, and repair wiring, lighting, gauges, accessories, modules, and electronic concerns.

AUT 171 Auto Climate Control 2 4 0 4
Prerequisites:None
Corequisites: None

This course covers the theory of refrigeration and heating, electrical/electronic/pneumatic controls, and diagnosis/repair of climate control systems. Topics include diagnosis and repair of climate control components and systems, recovery/recycling of refrigerants, and safety and environmental regulations. Upon completion, students should be able to describe the operation, diagnose, and safely service climate control systems using appropriate tools, equipment, and service information.

AUT 181 Engine Performance 1 2 3 0 3
Prerequisites: AUT 110
Corequisites: None

This course covers the introduction, theory of operation, and basic diagnostic procedures required to restore engine performance to today's vehicles equipped with complex engine control systems. Topics include an overview of engine operation, ignition components and systems, fuel delivery, injection components and systems and emission control devices. Upon completion students should be able to describe operation of and diagnose/repair basic ignition, fuel and emission related driveability problems using appropriate test equipment and service information.

AUT 181A Engine Performance I Lab 0 3 0 1
Prerequisites: None
Corequisites: AUT 181

This course is an optional lab to be used as an alternative to co-op placement in meeting the NATEF standards for total hours. Topics include overviews of engine operation, ignition components and systems, fuel delivery, injection components and systems and emission control devices and emerging engine performance technologies. Upon completion, students should be able to describe operation and diagnose/repair basic ignition, fuel and emission related driveability problems using appropriate test equipment/service information.

AUT 212 Auto Shop Management 3 0 0 3
Prerequisites: AUT 110
Corequisites: None

This course covers the principles of management essential to decision-making, communication, authority, and leadership. Topics include shop supervision, shop organization, customer relations, cost effectiveness and work place ethics. Upon completion, students should be able to describe basic automotive shop operation from a management standpoint.

AUT 213 Automotive Servicing II 1 3 0 2
Prerequisites: None
Corequisites: None

This course is a lab used as an alternative to co-op placement. Emphasis is placed on shop operations, troubleshooting, testing, adjusting, repairing, and replacing components using appropriate test equipment and service information. Upon completion, students should be able to perform a variety of automotive repairs using proper service procedures and to operate appropriate equipment.

AUT 221 Auto Transm/Transaxles 2 3 0 3
Prerequisites: AUT 110
Corequisites: None

This course covers operation, diagnosis, service, and repair of automatic transmissions/transaxles. Topics include hydraulic, pneumatic, mechanical, and electrical/electronic operation of automatic drive trains and the use of appropriate service tools and equipment. Upon completion, students should be able to explain operational theory, diagnose and repair automatic drive trains.

AUT 221A Auto Transm/Transax Lab 0 3 0 1
Prerequisites: None
Corequisites: AUT 221

This course is an optional lab to be used as an alternative to co-op placement in meeting the NATEF standards for total hours. Topics include hydraulic, pneumatic, mechanical, and electrical/electronic operation of automatic drive trains and the use of appropriate service tools and equipment. Upon completion, students should be able to diagnose and repair automatic drive trains.

AUT 231 Manual Transmission/Transaxles and Drivetrains 2 3 0 3
Prerequisites: AUT110
Corequisites: None

This course covers the operation, diagnosis, and repair of manual transmissions/transaxles, clutches, driveshafts, axles, and final drives. Topics include theory of torque, power flow, and manual drive train servicing and repair using appropriate service information, tools, and equipment. Upon completion, students should be able to explain operational theory, diagnose and repair manual drive trains.

AUT 231A Man Trans/Ax/Drtrain Lab 0 3 0 1
Prerequisites: None
Corequisites: AUT 231

This course is an optional lab for the program that needs to meet NATEF hour standards but does not have a co-op component in the program. Topics include manual drive train diagnosis,

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service and repair using appropriate service information, tools, and equipment. Upon completion, students should be able to diagnose and repair manual drive trains.

AUT 281 Adv Engine Performance 2 2 0 3
Prerequisites: AUT 181 or AUT 183
Corequisites: None

This course utilizes service information and specialized test equipment to diagnose and repair power train control systems. Topics include computerized ignition, fuel and emission systems, related diagnostic tools and equipment, data communication networks, and service information. Upon completion, students should be able to perform diagnosis and repair.

AUT 283 Adv Auto Electronics 2 2 0 3
Prerequisites: AUT 161, AUT 163
Corequisites: None

This course covers advanced electronic systems on automobiles. Topics include microcontrollers, on-board communications, telematics, hybrid systems, navigation, collision avoidance, and electronic accessories. Upon completion, students should be able to diagnose electronic systems using appropriate service information, procedures, and equipment and remove/replace/reprogram controllers, sensors, and actuators.

AUT 285 Intro to Alternative Fuels 2 2 0 3
Prerequisites: None
Corequisites: None

This course is an overview of alternative fuels and alternative fueled vehicles. Topics include composition and use of alternative fuels, including compressed natural gas, propane, biodiesel, ethanol, electric, hydrogen, synthetic fuels, and vehicles that use alternative fuels. Upon completion, students should be able to identify alternative fuel vehicles, explain how each alternative fuel delivery system works, and make minor repairs.

BAF 110 Principles of Banking 3 0 0 3
Prerequisites: None
Corequisites: None

This course covers the fundamentals of bank functions in a descriptive fashion. Topics include banks and the monetary system, the relationship of banks to depositors, the payment functions, bank loans and accounting, regulations, and examinations. Upon completion, students should be able to demonstrate an understanding of the business of banking from a broad perspective.

BAF 111 Teller Training 3 0 0 3
Prerequisites: None
Corequisites: None

This course provides an overview of banking teller operations, bank security, and customer relations in preparation for work as a bank teller. Topics include bank profitability, cash and cash handling, checks and other transactions, balancing and setting, and security threats and their detection. Upon completion, students should be able to discuss the components of teller performance and perform effectively as a teller after minimal on-the-job training.

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BAF 232 Consumer Lending 3 0 0 3
Prerequisites: None
Corequisites: None

This course details the many types of credit arrangements in which a finance charge is paid for the privilege of repaying debt in delayed payments. Topics include consumer credit policy, the loan process, servicing and collecting loans, consumer compliance, and evaluating credit risks. Upon completion, students should be able to identify collection policies and procedures, explain principles of credit evaluation, define open-end credit, and describe indirect lending.

BIO 106 Intro to Anat/Phys/Micro 2 2 0 3
Prerequisites: Proficiency in Reading - A grade of “C” or better in ENG 095 or RED 090 OR minimum Accuplacer score of 80 on Reading
Corequisites: None

This course covers the fundamental and principal concepts of human anatomy and physiology and microbiology. Topics include an introduction to the structure and function of cells, tissues, and human organ systems, and an overview of microbiology, epidemiology, and control of microorganisms. Upon completion, students should be able to identify structures and functions of the human body and describe microorganisms and their significance in health and disease. *This course may fulfill the natural science requirement for DIP or CER programs.*

BIO 110 Principles of Biology 3 3 0 4
Prerequisites: Proficiency in Reading - A grade of “C” or better in ENG 095 or RED 090 OR minimum Accuplacer score of 80 on Reading
Corequisites: None

This course provides a survey of fundamental biological principles for non-science majors. Emphasis is placed on basic chemistry, cell biology, metabolism, genetics, taxonomy, evolution, ecology, diversity, and other related topics. Upon completion, students should be able to demonstrate increased knowledge and better understanding of biology as it applies to everyday life. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in natural sciences/mathematics. This course may meet the SACS natural science requirement for AA, AS, AFA, AGE, AAS, DIP, or CER programs.*

BIO 111 General Biology I 3 3 0 4
Prerequisites: Proficiency in Reading - A grade of “C” or better in ENG 095 or RED 090 OR minimum Accuplacer score of 80 on Reading
Corequisites: None

This course introduces the principles and concepts of biology. Emphasis is placed on basic biological chemistry, cell structure and function, metabolism and energy transformation, genetics, evolution, classification, and other related topics. Upon completion, students should be able to demonstrate understanding of life at the molecular and cellular levels. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in natural sciences/mathematics. This course may meet the SACS natural science requirement for AA, AS, AFA, AGE, AAS, DIP, or CER programs.*

BIO 112 General Biology II 3 3 0 4
Prerequisites: BIO 111
Corequisites: None

This course is a continuation of BIO 111. Emphasis is placed on organisms, biodiversity, plant and animal systems, ecology, and other related topics. Upon completion, students should be able to demonstrate comprehension of life at the organismal and ecological levels. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in natural sciences/mathematics. This course may meet the SACS natural science requirement for AA, AS, AFA, AGE, AAS, DIP, or CER programs.*

BIO 130 Introductory Zoology 3 3 0 4
Prerequisites: BIO 110 or BIO 111
Corequisites: None

This course provides an introduction to the classification, relationships, structure, and function of major animal phyla. Emphasis is placed on levels of organization, reproduction and development, comparative systems, and a survey of selected phyla. Upon completion, students should be able to demonstrate comprehension of animal form and function including comparative systems of selected groups. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in natural sciences/mathematics. This course is also available through the Virtual Learning Community (VLC).*

BIO 140 Environmental Biology 3 0 0 3
Prerequisites: None
Corequisites: BIO 140A

This course introduces environmental processes and the influence of human activities upon them. Topics include ecological concepts, population growth, natural resources, and a focus on current environmental problems from scientific, social, political, and economic perspectives. Upon completion, students should be able to demonstrate an understanding of environmental interrelationships and of contemporary environmental issues. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in natural sciences/mathematics. This course may meet the SACS natural science requirement for AA, AS, AFA, AGE, AAS, DIP, or CER programs.*

BIO 140A Environmental Biology Lab 0 3 0 1
Prerequisites: None
Corequisites: BIO 140

This course provides a laboratory component to complement BIO 140. Emphasis is placed on laboratory and field experience. Upon completion, students should be able to demonstrate a practical understanding of environmental interrelationships and of contemporary environmental issues. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in natural sciences/mathematics. This course may meet the SACS natural science requirement for AA, AS, AFA, AGE, AAS, DIP, or CER programs.*

BIO 143 Field Biology Minicourse 1 2 0 2
Prerequisites: None
Corequisites: None

This course introduces the biological and physical components of a field environment. Emphasis is placed on a local field environment with extended field trips to other areas. Upon completion, students should be able to demonstrate an understanding of the biological and physical components of the specific biological environment. *This course has been approved to satisfy the Comprehensive Articulation Agreement for transferability as a premajor and/or elective course requirement.*

BIO 150 Genetics in Human Affairs 3 0 0 3
Prerequisites: BIO 110 or BIO 111
Corequisites: None

This course describes the importance of genetics in everyday life. Topics include the role of genetics in human development, birth defects, cancer and chemical exposure, and current issues including genetic engineering and fertilization methods. Upon completion, students should be able to understand the relationship of genetics to society today and its possible influence on our future. *This course has been approved to satisfy the Comprehensive Articulation Agreement for transferability as a pre-major and/or elective course requirement.*

BIO 163 Basic Anat & Physiology 4 2 0 5
Prerequisites: Proficiency in Reading - A grade of "C" or better in ENG 095 or RED 090 OR minimum Accuplacer score of 80 on Reading
Corequisites: None

This course provides a basic study of the structure and function of the human body. Topics include a basic study of the body systems as well as an introduction to homeostasis, cells, tissues, nutrition, acid-base balance, and electrolytes. Upon completion, students should be able to demonstrate a basic understanding of the fundamental principles of anatomy and physiology and their interrelationships. *This course has been approved to satisfy the Comprehensive Articulation Agreement for transferability as a premajor and/or elective course requirement. This course may meet the SACS natural science requirement for AGE, AAS, DIP, or CER programs.*

BIO 168 Anatomy and Physiology I 3 3 0 4
Prerequisites: Proficiency in Reading - A grade of "C" or better in ENG 095 or RED 090 OR minimum Accuplacer score of 80 on Reading
Corequisites: None

This course provides a comprehensive study of the anatomy and physiology of the human body. Topics include body organization, homeostasis, cytology, histology, and the integumentary, skeletal, muscular, nervous, special senses, and endocrine systems. Upon completion, students should be able to demonstrate an in-depth understanding of principles of anatomy and physiology and their interrelationships. *This course has been approved to satisfy the Comprehensive Articulation Agreement for transferability as a pre-major and/or elective course requirement. This course may meet the SACS natural science requirement for AGE, AAS, DIP, or CER programs.*

BIO 169 Anatomy and Physiology II 3 3 0 4
Prerequisites: BIO 168
Corequisites: None

This course provides a continuation of the comprehensive study of the anatomy and physiology of the human body. Topics include the endocrine, cardiovascular, lymphatic, respiratory, digestive, urinary, and reproductive systems as well as metabolism, nutrition, acid-base balance, and fluid and electrolyte balance. Upon completion, students should be able to demonstrate an in-depth understanding of principles of anatomy and physiology and their interrelationships. *This course has been approved to satisfy the Comprehensive Articulation Agreement for transferability as a premajor and/or elective course requirement.*

BIO 173 Microbes in World Affairs 3 0 0 3
Prerequisites: BIO 110 or BIO 111
Corequisites: None

This course provides an integrated and comprehensive study of the microbial world and its influence on global events and human affairs. Topics include plant and animal diseases caused by viral, bacterial, and fungal pathogens and their impacts on history, industrial microbiology, biotechnology, and microbial ecology. Upon completion, students should be able to demonstrate an understanding of the importance of microbes in human and world affairs. *This course has been approved to satisfy the Comprehensive Articulation Agreement for transferability as a pre-major and/or elective course requirement. This course may meet the SACS natural science requirement for AGE, AAS, DIP, or degree programs.*

BIO 175 General Microbiology 2 2 0 3
Prerequisites: BIO 110 or BIO 111 or BIO 163 or
BIO 165 or BIO 168
Corequisites: None

This course covers principles of microbiology with emphasis on microorganisms and human disease. Topics include an overview of microbiology and aspects of medical microbiology, identification and control of pathogens, disease transmission, host resistance, and immunity. Upon completion, students should be able to demonstrate knowledge of microorganisms and the disease process as well as aseptic and sterile techniques. *This course has been approved to satisfy the Comprehensive Articulation Agreement for transferability as a pre-major and/or elective course requirement. This course may meet the SACS natural science requirement for AGE, AAS, DIP, or CER degree programs.*

BPR 111 Blueprint Reading 1 2 0 2
Prerequisites: None
Corequisites: None

This course introduces the basic principles of blueprint reading. Topics include line types, orthographic projections, dimensioning methods, and notes. Upon completion, students should be able to interpret basic blueprints and visualize the features of a part.

BPR 121 Blueprint Reading: Mech 1 2 0 2
Prerequisites: BPR 111 or MAC 131
Corequisites: None

This course covers the interpretation of intermediate blueprints. Topics include tolerancing, auxiliary views, sectional views, and assembly drawings. Upon completion, students should be able to read and interpret a mechanical working drawing.

BPR 130 Blueprint Reading/Const 1 2 0 2
Prerequisites: None
Corequisites: None

This course covers the interpretation of blueprints and specifications that are associated with the construction trades. Emphasis is placed on interpretation of details for foundations, floor plans, elevations, and schedules. Upon completion, students should be able to read and interpret a set of construction blueprints.

BPR 230 Commercial Blueprints 1 2 0 2
Prerequisites: BPR 130
Corequisites: None

This course covers blueprints specific to commercial structures and requires basic blueprint reading skills and/or a commercial construction background. Topics include site, structural, mechanical, electrical, and plumbing blueprints and specifications. Upon completion, students should be able to interpret commercial blueprints and specifications.

BTB 101 Boat Building I 5 15 0 10
Prerequisites: None
Corequisites: DFT 100

This course introduces the modern wood and composite boat shop. Topics include maintaining, sharpening, and safely using hand and power tools; lofting; and properly utilizing materials common in the boat-building industry. Upon completion, students should be able to loft a simple flat or V-bottom boat and build it using sheet plywood construction methods. This is a diploma-level course.

BTB 101-A Boat Building I 3 6 0 5
Prerequisites: None
Corequisites: DFT 100

This course introduces the modern wood and composite boat shop. Topics include maintaining, sharpening, and safely using hand and power tools; lofting; and properly utilizing materials common in the boat-building industry.

Class Lab Clinical Credit

BTB 101-B Boat Building I 2 9 0 5
Prerequisites: BTB 101-A, DFT 100
Corequisites: None

Upon completion, students should be able to loft a simple flat or V-bottom boat and build it using sheet plywood construction methods.

BTB 102 Boat Building II 4 15 0 9
Prerequisites: BTB 101
Corequisites: None

This course introduces more advanced hull development. Topics include advanced lofting, building jigs and birdcage building forms, wood and composite lamination techniques, marine finishing materials and methods, and quality control procedures. Upon completion, students should be able to build, fit out, and finish a small boat using modern fabrics, core materials, and methods of construction.

BTB 103 Yacht Joiner Practices I 2 4 0 4
Prerequisites: BTB 101
Corequisites: BTB 102

This course introduces the fundamental skills and attention to detail necessary to fine yacht joinery. Emphasis is placed on fitting, mortise/tenon, and dowel joints; fitting dadoes in grooves; and building a project to close tolerances from a blueprint. Upon completion, students should be able to build a cabinet carcass with face frame, round corner posts, laminate surfaces, and a dove-tailed drawer.

BTB 104 Yacht Joiner Practices II 1 4 0 3
Prerequisites: BTB 103
Corequisites: BTB 105

This course is an extension of BTB 103 and emphasizes finishing cabinets and rough-in of yacht interiors. Topics include manufacturing and fitting moldings, door construction methods, bright work finishing, and bulkhead and cabin sole fitting and installation. Upon completion, students should be able to build raised panel doors and moldings, apply modern finishes, and rough in bulkheads, soles, and yacht furniture.

BTB 105 Yacht Repair/Renovation 3 4 0 5
Prerequisites: BTB 102
Corequisites: None

This course introduces repair/renovation principles and methods for wood and fiberglass boats. Emphasis is placed on surveying boats for needed repairs, planning repairs, and estimating costs in tools, materials, and techniques used in repair and renovation. Upon completion, students should be able to plan and execute repairs in wood and fiberglass boats (structural and cosmetic) and execute marine refinishing techniques.

BTB 109 Yacht Rigging 1 2 0 2
Prerequisites: None
Corequisites: None

This course provides an introduction of Marlinspike Seamanship, rigging and tuning masts, and commissioning yachts. Topics covered are knot tying, whipping lines, standing and running rigging on spars, maintaining winches, anchoring systems and care and rigging of sails. Upon completion, students should be able to efficiently complete yacht rigging competencies to industry standards. This course is approved only at the certificate and diploma level.

Class Lab Clinical Credit

BTB-110 Fiberglass Boat Bldg I 2 9 0 5
Prerequisites: None
Corequisites: None

This course introduces fiberglass boat building using polyester and vinylester resins in conjunction with single skin and composite covered construction. Topics covered are the types and uses of resins, fabrics, and cores, and chopper and gel coat guns. Upon completion, students should be able to build a composite core boat and a single skin boat.

BTB-111 Fiberglass Boat Bldg II 2 9 0 5
Prerequisites: BTB-110
Corequisites: None

This course covers the skills necessary to build fiberglass molds for hulls and decks. Topics include the proper use of tooling gel coats, proper lay-ups, heat problems during lay-ups, reinforcing techniques and resin infusion. Upon completion, students should be able to build a female mold, a "quickie" female deck mold and various "quickie" male molds for custom parts.

BTB-112 Fiberglass Boat Repairs 2 2 0 3
Prerequisites: None
Corequisites: None

This course covers many aspects of fiberglass hull and deck repair. Topics include performing repairs on single skin hulls, composite hulls, decks and gel coats. Upon completion, students should be able to demonstrate skills necessary to repair damaged laminates to boat industry standards.

BUS 115 Business Law I 3 0 0 3
Prerequisites: Proficiency in Reading - A grade of "C" or better in ENG 095 or RED 090 OR minimum Accuplacer score of 80 on Reading
Corequisites: None

This course introduces the ethics and legal framework of business. Emphasis is placed on contracts, negotiable instruments, Uniform Commercial Code, and the working of the court systems. Upon completion, students should be able to apply ethical issues and laws covered to selected business decision-making situations. *This course has been approved to satisfy the Comprehensive Articulation Agreement for transferability as a pre-major and/or elective course requirement.*

Class Lab Clinical Credit

BUS 121 Business Math 2 2 0 3
Prerequisites: Proficiency in Arithmetic Skills - A grade of "C" or better in MAT 060 or minimum Accuplacer score of 55 on Arithmetic
Corequisites: None

This course covers fundamental mathematical operations and their application to business problems. Topics include payroll, pricing, interest and discount, commission, taxes, and other pertinent uses of mathematics in the field of business. Upon completion, students should be able to apply mathematical concepts to business.

BUS 125 Personal Finance 3 0 0 3
Prerequisites: Proficiency in Arithmetic Skills - A grade of "C" or better in MAT 060 or minimum Accuplacer score of 55 on Arithmetic
Corequisites: None

This course provides a study of individual and family financial decisions. Emphasis is placed on building useful skills in buying, managing finances, increasing resources, and coping with current economic conditions. Upon completion, students should be able to develop a personal financial plan.

BUS 137 Principles of Management 3 0 0 3
Prerequisites: Proficiency in reading - A grade of "C" or better in ENG 095 or RED 090 OR minimum Accuplacer score of 80 on Reading
Corequisites: None

This course is designed to be an overview of the major functions of management. Emphasis is placed on planning, organizing, controlling, directing, and communicating. Upon completion, students should be able to work as contributing members of a team utilizing these functions of management. *This course has been approved to satisfy the Comprehensive Articulation Agreement for transferability as a pre-major and/or elective course requirement.*

BUS 225 Business Finance 2 2 0 3
Prerequisites: Proficiency in Arithmetic - A grade of "C" or better in MAT 060 or minimum Accuplacer score of 55 on Arithmetic, and ACC 120 and BUS 121
Corequisites: None

This course provides an overview of business financial management. Emphasis is placed on financial statement analysis, time value of money, management of cash flow, risk and return, and sources of financing. Upon completion, students should be able to interpret and apply the principles of financial management.

BUS 230 Small Business Management 3 0 0 3
Prerequisites: Proficiency in Reading - A grade of "C" or better in ENG 095 or RED 090 OR minimum Accuplacer score of 80 on Reading
Corequisites: None

This course introduces the challenges of entrepreneurship including the startup and operation of a small business. Topics include market research techniques, feasibility studies, site analysis, financing alternatives, and managerial decision making. Upon completion, students should be able to develop a small business plan.

Class Lab Clinical Credit

BUS 239 Bus Applications Seminar 1 2 0 2
Prerequisites: ACC 120, BUS 115, BUS 137, MKT 120 and ECO 151
Corequisites: None

This course is designed as a capstone course for Business Administration majors. Emphasis is placed on decision making in the areas of management, marketing, production, purchasing, and finance. Upon completion, students should be able to apply the techniques, processes, and vital professional skills needed in the work place.

BUS 240 Business Ethics 3 0 0 3
Prerequisites: None
Corequisites: None

This course introduces contemporary and controversial ethical issues that face the business community. Topics include moral reasoning, moral dilemmas, law and morality, equity, justice and fairness, ethical standards, and moral development. Upon completion, students should be able to demonstrate an understanding of their moral responsibilities and obligations as members of the workforce and society.

BUS-260 Business Communication 3 0 0 3
Prerequisites: ENG-111 and CIS 110 or CIS111
Corequisites: None

This course is designed to develop skills in writing business communications. Emphasis is placed on business reports, correspondence, and professional presentations. Upon completion, students should be able to communicate effectively in the work place.

BUS 280 REAL Small Business 4 0 0 4
Prerequisites: None
Corequisites: None

This course introduces hands-on techniques and procedures for planning and opening a small business, including the personal qualities needed for entrepreneurship. Emphasis is placed on market research, finance, time management, and day-to-day activities of owning/operating a small business. Upon completion, students should be able to write and implement a viable business plan and seek funding.

CAR 110 Introduction to Carpentry 2 0 0 2
Prerequisites: None
Corequisites: None

This course introduces the student to the carpentry trade. Topics include duties of a carpenter, hand and power tools, building materials, construction methods, and safety. upon completion, students should be able to identify hand and power tools, common building materials, and basic construction methods.

Class Lab Clinical Credit

CAR 111 Carpentry I 3 15 0 8
Prerequisites: None
Corequisites: CAR 110

This course introduces the theory and construction methods associated with the building industry, including framing, materials, tools, and equipment. Topics include safety, hand/power tool use, site preparation, measurement and layout, footings and foundations, construction framing, and other related topics. Upon completion, students should be able to safely lay out and perform basic framing skills with supervision.

CAR 112 Carpentry II 3 15 0 8
Prerequisites: CAR 111
Corequisites: None

This course covers the advanced theory and construction methods associated with the building industry including framing and exterior finishes. Topics include safety, hand/power tool use, measurement and layout, construction framing, exterior trim and finish, and other related topics. Upon completion, students should be able to safely frame and apply exterior finishes to a residential building with supervision.

CAR 113 Carpentry III 3 9 0 6
Prerequisites: CAR 111
Corequisites: None

This course covers interior trim and finishes. Topics include safety, hand/power tool use, measurement and layout, specialty framing, interior trim and finishes, cabinetry, and other related topics. Upon completion, students should be able to safely install various interior trim and finishes in a residential building with supervision.

CAR 114 Residential Bldg Codes 3 0 0 3
Prerequisites: None
Corequisites: None

This course covers building codes and the requirements of state and local construction regulations. Emphasis is placed on the minimum requirements of the North Carolina building codes related to residential structures. Upon completion, students should be able to determine if a structure is in compliance with North Carolina building codes.

CAR 115 Res Planning/Estimating 3 0 0 3
Prerequisites: BPR 130
Corequisites: None

This course covers project planning, management, and estimating for residential or light commercial buildings. Topics include planning and scheduling, interpretation of working drawings and specifications, estimating practices, and other related topics. Upon completion, students should be able to perform quantity take-offs and cost estimates.

Class Lab Clinical Credit

CET 111 Computer Upgrade/Repair I 2 3 0 3
Prerequisites: None
Corequisites: None

This course covers repairing, servicing, and upgrading computers and peripherals in preparation for industry certification. Topics include CPU/memory/bus identification, disk subsystems, hardware/software installation/configuration, common device drivers, data recovery, system maintenance, and other related topics. Upon completion, students should be able to safely repair and/or upgrade computer systems to perform within specifications

CET 130 Operating System Prin 2 3 0 3
Prerequisites: CIS 110
Corequisites: None

This course introduces the concepts, usage, internals and applications of operating systems used in engineering technology. Topics include resource management, shells, schedulers, file systems, networking, software considerations and other related topics. Upon completion, students should be able to choose and evaluate an operating system for engineering applications.

CET 150 Computer Forensics I 2 3 0 3
Prerequisites: CET 211 or CET 130
Corequisites: None

This course is an introduction to computer forensic concepts, with emphasis on computer forensic methods and best practices. Topics include computer system analysis, physical and logical storage methods for different types of media, tools to recover and analyze data from storage media, system security. Upon completion, students should be able to use diagnostic and investigative techniques to identify and retrieve data from various types of computer media.

CET 172 Internet Technologies 2 3 0 3
Prerequisites: None
Corequisites: None

The goal of this course is to provide an introduction to Internet technologies and prepare students to pass vendor independent internet technology certification exams. Topics cover using different Internet protocols, programming on the Internet, the OSI model, the Internet infrastructure, security, and e-commerce. Upon completion, students should be prepared to take vendor independent Internet technology certification exams

CET 211 Computer Upgrade/Repair II 2 3 0 3
Prerequisites: None
Corequisites: CIS 110

This course covers concepts of repair service, and upgrade of computers and peripherals in preparation for industry certification. Topics may include resolving resource conflicts and system bus specifications, configuration and troubleshooting peripherals, operating system configuration and optimization, and other related topics. Upon completion, students should be able to identify and resolve system conflicts and optimize system performance.

Class Lab Clinical Credit

CET 240 Network Security 2 2 0 3
Prerequisites: CET 172
Corequisites: None

This course is to provide a comprehensive study of network and computer security. Topics include security principles, establishing baselines, policies, network hardening, legal issues, disaster recovery, attack and defense techniques and technologies. Upon completion, students should be able to identify, establish, and maintain an appropriate security model on a computer network.

CET 245 Internet Servers 2 3 0 3
Prerequisites: CET 172 and CET 130
Corequisites: None

This course covers the setup and management of Internet server hardware and software. Topics include TCP/IP, FTP, SMTP, and HTTP; installation and configuration of server software for web, FTP, DNS, mail, and other services. Upon completion, students should be able to set up and maintain Internet servers.

CET 250 Computer Forensics II 2 3 0 3
Prerequisites: CET150
Corequisites: None

This course is a study in computer forensic practices with emphasis placed on methods used for prevention, detection, and apprehension of perpetrators of cyber-criminal activity. Topics include the roles of Chief Security Officers in the securing of system breaches, vulnerabilities, network and server security issues, OS and application security risks. Upon completion students should be able to identify and collect evidence to prove unauthorized and inappropriate access on computer systems and networks.

CHM 130 Gen, Org, & Biochemistry 3 0 0 3
Prerequisites: Proficiency in Reading AND Proficiency in Arithmetic.
a. A grade of "C" or better in ENG 095 or RED 090 OR minimum Accuplacer score of 80 on Reading
b. a minimum Accuplacer score of 55 on Arithmetic
Corequisites: None

This course provides a survey of basic facts and principles of general, organic, and biochemistry. Topics include measurement, molecular structure, nuclear chemistry, solutions, acid-base chemistry, gas laws, and the structure, properties, and reactions of major organic and biological groups. Upon completion, students should be able to demonstrate an understanding of fundamental chemical concepts. *This course has been approved to satisfy the Comprehensive Articulation Agreement for transferability as a premajor and/or elective course requirement.*

Class Lab Clinical Credit

CHM 131 Introduction to Chemistry 3 0 0 3
Prerequisites: Proficiency in Reading AND Proficiency in Arithmetic Skills AND Proficiency in Elementary Algebra
a. A grade of "C" or better in ENG 095 or RED 090 OR minimum Accuplacer score of 80 on Reading
b. A grade of "C" or better in MAT 060 or minimum Accuplacer score of 55 on Arithmetic
c. A grade of "C" or better in MAT 070 or MAT 080 or MAT 090 or MAT 095 OR successful completion of one of the following: MAT 120 or MAT 121 or MAT 161 or MAT 171 or MAT 175) OR a minimum Accuplacer score of 55 on Elementary Algebra
Corequisites: CHM 131A

This course introduces the fundamental concepts of inorganic chemistry. Topics include measurement, matter and energy, atomic and molecular structure, nuclear chemistry, stoichiometry, chemical formulas and reactions, chemical bonding, gas laws, solutions, and acids and bases. Upon completion, students should be able to demonstrate a basic understanding of chemistry as it applies to other fields. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in natural sciences/mathematics. This course may meet the SACS natural science requirement for AA, AS, AFA, AGE, AAS, DIP, or CER programs.*

CHM 131A Intro to Chemistry Lab 0 3 0 1
Prerequisites: Proficiency in Reading AND Proficiency in Arithmetic Skills AND Proficiency in Elementary Algebra
a. A grade of "C" or better in ENG 095 or RED 090 OR minimum Accuplacer score of 80 on Reading
b. A grade of "C" or better in MAT 060 or minimum Accuplacer score of 55 on Arithmetic
c. A grade of "C" or better in MAT 070 or MAT 080 or MAT 090 or MAT 095 OR successful completion of one of the following: MAT 120 or MAT 121 or MAT 161 or MAT 171 or MAT 175) OR a minimum Accuplacer score of 55 on Elementary Algebra
Corequisites: CHM 131

This course is a laboratory to accompany CHM 131. Emphasis is placed on laboratory experiences that enhance materials presented in CHM 131. Upon completion, students should be able to utilize basic laboratory procedures and apply them to chemical principles presented in CHM 131. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in natural sciences/mathematics. This course may meet the SACS natural science requirement for AA, AS, AFA, AGE, AAS, DIP, or CER programs.*

Class Lab Clinical Credit

CHM 151 General Chemistry I 3 3 0 4

Prerequisites: Proficiency in Reading AND Proficiency in Arithmetic Skills AND Proficiency in Intermediate Algebra
a. A grade of "C" or better in ENG 095 or RED 090 OR minimum Accuplacer score of 80 on Reading
b. A grade of "C" or better in MAT 060 or minimum Accuplacer score of 55 on Arithmetic
c. A grade of "C" or better in MAT 080, MAT 090, or MAT 095 or successful completion MAT 161, MAT 171, or MAT 175 OR a minimum Accuplacer score of 75 on Elementary Algebra
Corequisites: None

This course covers fundamental principles and laws of chemistry. Topics include measurement, atomic and molecular structure, periodicity, chemical reactions, chemical bonding, stoichiometry, thermochemistry, gas laws, and solutions. Upon completion, students should be able to demonstrate an understanding of fundamental chemical laws and concepts as needed in CHM 152. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in natural sciences/mathematics. This course may meet the SACS natural science requirement for AA, AS, AFA, AGE, AAS, DIP, or CER programs.*

CHM 152 General Chemistry II 3 3 0 4

Prerequisites: CHM 151
Corequisites: None

This course provides a continuation of the study of the fundamental principles and laws of chemistry. Topics include kinetics, equilibrium, ionic and redox equations, acid-base theory, electrochemistry, thermodynamics, introduction to nuclear and organic chemistry, and complex ions. Upon completion, students should be able to demonstrate an understanding of chemical concepts as needed to pursue further study in chemistry and related professional fields. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in natural sciences/mathematics. This course may meet the SACS natural science requirement for AA, AS, AFA, AGE, AAS, DIP, or CER programs.*

CHM 251 Organic Chemistry I 3 3 0 4

Prerequisites: CHM 152
Corequisites: None

This course provides a systematic study of the theories, principles, and techniques of organic chemistry. Topics include nomenclature, structure, properties, reactions, and mechanisms of hydrocarbons, alkyl halides, alcohols, and ethers; further topics include isomerization, stereochemistry, and spectroscopy. Upon completion, students should be able to demonstrate an understanding of the fundamental concepts of covered organic topics as needed in CHM 252. *This course has been approved to satisfy the Comprehensive Articulation Agreement for transferability as a pre-major and/or elective course requirement.*

Class Lab Clinical Credit

CHM 252 Organic Chemistry II 3 3 0 4

Prerequisites: CHM 251
Corequisites: None

This course provides continuation of the systematic study of the theories, principles, and techniques of organic chemistry. Topics include nomenclature, structure, properties, reactions, and mechanisms of aromatics, aldehydes, ketones, carboxylic acids and derivatives, amines, and hetercyclics; multi-step synthesis will be emphasized. Upon completion, students should be able to demonstrate an understanding of organic concepts as needed to pursue further study in chemistry and related professional fields. *This course has been approved to satisfy the Comprehensive Articulation Agreement for transferability as a premajor and/or elective course requirement.*

CIS 110 Introduction to Computers 2 2 0 3

Prerequisites: Proficiency in Reading AND Proficiency in Arithmetic Skills AND Proficiency in Elementary Algebra
a. A grade of "C" or better in ENG 095 or RED 090 OR minimum Accuplacer score of 80 on Reading
b. A grade of "C" or better in MAT 060 or minimum Accuplacer score of 55 on Arithmetic
c. A grade of "C" or better in MAT 070 or MAT 080 or MAT 090 or MAT 095 OR successful completion of one of the following: MAT 120 or MAT 121 or MAT 161 or MAT 171 or MAT 175) OR a minimum Accuplacer score of 55 on Elementary Algebra.
Corequisites: None

This course provides an introduction to computers and computing. Topics include the impact of computers on society, ethical issues, and hardware/software applications, including spreadsheets, databases, word processors, graphics, the Internet, and operating systems. Upon completion, students should be able to demonstrate an understanding of the role and function of computers and use the computer to solve problems. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in natural sciences/mathematics. This course may meet the second SACS mathematics requirement for AA, AS, AFA, AGE, AAS, DIP, or CER programs.*

CIS 111 Basic PC Literacy 1 2 0 2

Prerequisites: None
Corequisites: None

This course provides a brief overview of computer concepts. Emphasis is placed on the use of personal computers and software applications for personal and workplace use. Upon completion, students should be able to demonstrate basic personal computer skills.

Class Lab Clinical Credit

CIS 115 Intro to Prog & Logic 2 3 0 3

Prerequisites: CIS 110 and either MAT 070, MAT 080, MAT 090, MAT 095, MAT 120, MAT 121, MAT 161, MAT 171, or MAT 175

Corequisites: None

This course introduces computer programming and problem solving in a structured program logic environment. Topics include language syntax, data types, program organization, problem solving methods, algorithm design, and logic control structures. Upon completion, students should be able to manage files with operating system commands, use top-down algorithm design, and implement algorithmic solutions in a programming language. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in natural sciences/mathematics. This course may meet the second SACS mathematics requirement for AA, AS, AFA, AGE, AAS, DIP, or CER programs.*

CIV 230 Construction Estimating 2 3 0 3

Prerequisites: ARC 111, CIS 110, CIS 111, or EGR 115

Corequisites: None

This course covers quantity take-offs of labor, materials, and equipment and calculation of direct and overhead costs for a construction project. Topics include the interpretation of working drawings and specifications, types of contracts and estimates, building codes, bidding techniques and procedures, and estimating software. Upon completion, students should be able to prepare a detailed cost estimate and bid documents for a construction project.

CJC 100 Basic Law Enforcement Training 9 30 0 19

Prerequisites: Minimum Accuplacer reading score of 57

Corequisites: None

This course covers the basic skills and knowledge needed for entry-level employment as a law enforcement officer in North Carolina. Topics are divided into general units of study: legal, patrol duties, law enforcement communications, investigations, practical application and sheriff-specific. Upon successful completion, the student will be able to demonstrate competence in topics and areas required for the state comprehensive certification examination. This is a certificate-level course.

CJC 111 Intro to Criminal Justice 3 0 0 3

Prerequisites: Proficiency in Reading - A grade of "C" or better in ENG 095 or RED 090 OR minimum Accuplacer score of 80 on Reading

Corequisites: None

This course introduces the components and processes of the criminal justice system. Topics include history, structure, functions, and philosophy of the criminal justice system and their relationship to life in our society. Upon completion, students should be able to define and describe the major system components and their interrelationships and evaluate career options. *This course has been approved to satisfy the Comprehensive Articulation Agreement pre-major and/or elective course requirement.*

Class Lab Clinical Credit

CJC 112 Criminology 3 0 0 3

Prerequisites: None

Corequisites: None

This course introduces deviant behavior as it relates to criminal activity. Topics include theories of crime causation; statistical analysis of criminal behavior; past, present, and future social control initiatives; and other related topics. Upon completion, students should be able to explain and discuss various theories of crime causation and societal response.

CJC 113 Juvenile Justice 3 0 0 3

Prerequisites: None

Corequisites: None

This course covers the juvenile justice system and related juvenile issues. Topics include an overview of the juvenile justice system, treatment and prevention programs, special areas and laws unique to juveniles, and other related topics. Upon completion, students should be able to identify/discuss juvenile court structure/procedures, function and jurisdiction of juvenile agencies, processing/detention of juveniles, and case disposition.

CJC 114 Investigative Photography 1 2 0 2

Prerequisites: None

Corequisites: None

This course covers the operation of various photographic equipment and its application to criminal justice. Topics include using various cameras, proper exposure of film, developing film/prints, and preparing photographic evidence. Upon completion, students should be able to demonstrate and explain the role of photography and proper film exposure and development techniques.

CJC 120 Interviews/Interrogations 1 2 0 2

Prerequisites: None

Corequisites: None

This course covers basic and special techniques employed in criminal justice interviews and interrogations. Emphasis is placed on the interview/interrogation process, including interpretation of verbal and physical behavior and legal perspectives. Upon completion, students should be able to conduct interviews/interrogations in a legal, efficient, and professional manner and obtain the truth from suspects, witnesses, and victims.

CJC 121 Law Enforcement Operations 3 0 0 3

Prerequisites: Proficiency in Reading - A grade of "C" or better in ENG 095 or RED 090 OR minimum Accuplacer score of 80 on Reading

Corequisites: None

This course introduces fundamental law enforcement operations. Topics include the contemporary evolution of law enforcement operations and related issues. Upon completion, students should be able to explain theories, practices, and issues related to law enforcement operations. *This course has been approved to satisfy the Comprehensive Articulation Agreement pre-major and/or elective course requirement.*

Class Lab Clinical Credit

CJC 131 Criminal Law 3 0 0 3
Prerequisites: None
Corequisites: None

This course covers the history/evolution/principles and contemporary applications of criminal law. Topics include sources of substantive law, classification of crimes, parties to crime, elements of crimes, matters of criminal responsibility, and other related topics. Upon completion, students should be able to discuss the sources of law and identify, interpret, and apply the appropriate statutes/elements.

CJC 132 Court Procedure & Evidence 3 0 0 3
Prerequisites: None
Corequisites: None

This course covers judicial structure/process/procedure from incident to disposition, kinds and degrees of evidence, and the rules governing admissibility of evidence in court. Topics include consideration of state and federal courts, arrest, search and seizure laws, exclusionary and statutory rules of evidence, and other related issues. Upon completion, students should be able to identify and discuss procedures necessary to establish a lawful arrest/search, proper judicial procedures, and the admissibility of evidence.

CJC 141 Corrections 3 0 0 3
Prerequisites: Proficiency in Reading - A grade of “C” or better in ENG 095 or RED 090 OR minimum Accuplacer score of 80 on Reading
Corequisites: None

This course covers the history, major philosophies, components, and current practices and problems of the field of corrections. Topics include historical evolution, functions of the various components, alternatives to incarceration, treatment programs, inmate control, and other related topics. Upon completion, students should be able to explain the various components, processes, and functions of the correctional system. *This course has been approved to satisfy the Comprehensive Articulation Agreement pre-major and/or elective course requirement.*

CJC 160 Terrorism: Underlying Issues 3 0 0 3
Prerequisites: None
Corequisites: None

This course identifies the fundamental reasons why America is a target for terrorists, covering various domestic/international terrorist groups and ideologies from a historical aspect. Emphasis is placed upon recognition of terrorist crime scene; weapons of mass destruction; chemical, biological, and muclear terrorism; and planning cosiderations involving threat assessments. Upon completion, students should be able to identify and discuss the nethods used in terrorists’ activities and complete a threat assessment for terrorists’ incidents.

Class Lab Clinical Credit

CJC 212 Ethics & Comm Relations 3 0 0 3
Prerequisites: None
Corequisites: None

This course covers ethical considerations and accepted standards applicable to criminal justice organizations and professionals. Topics include ethical systems; social change, values, and norms; cultural diversity; citizen involvement in criminal justice issues; and other related topics. Upon completion, students should be able to apply ethical considerations to the decision-making process in identifiable criminal justice situations.

CJC 213 Substance Abuse 3 0 0 3
Prerequisites: None
Corequisites: None

This course is a study of substance abuse in our society. Topics include the history and classifications of drug abuse and the social, physical, and psychological impact of drug abuse. Upon completion, students should be able to identify various types of drugs, their effects on human behavior and society, and treatment modalities.

CJC 215 Organization & Admin 3 0 0 3
Prerequisites: None
Corequisites: None

This course introduces the components and functions of organization and administration as it applies to the agencies of the criminal justice system. Topics include operations/functions of organizations; recruiting, training, and retention of personnel; funding and budgeting; communications; span of control and discretion; and other related topics. Upon completion, students should be able to identify and discuss the basic components and functions of a criminal justice organization and its administrative operations.

CJC 221 Investigative Principles 3 2 0 4
Prerequisites: None
Corequisites: None

This course introduces the theories and fundamentals of the investigative process. Topics include crime scene/incident processing, information gathering techniques, collection/preservation of evidence, preparation of appropriate reports, court presentations, and other related topics. Upon completion, students should be able to identify, explain, and demonstrate the techniques of the investigative process, report preparation, and courtroom presentation.

CJC 222 Criminalistics 3 0 0 3
Prerequisites: None
Corequisites: None

This course covers the functions of the forensic laboratory and its relationship to successful criminal investigations and prosecutions. Topics include advanced crime scene processing, investigative techniques, current forensic technologies, and other related topics. Upon completion, students should be able to identify and collect relevant evidence at simulated crime scenes and request appropriate laboratory analysis of submitted evidence.

Class Lab Clinical Credit

CJC 231 Constitutional Law 3 0 0 3
Prerequisites: None
Corequisites: None

The course covers the impact of the Constitution of the United States and its amendments on the criminal justice system. Topics include the structure of the Constitution and its amendments, court decisions pertinent to contemporary criminal justice issues, and other related topics. Upon completion, students should be able to identify/discuss the basic structure of the United States Constitution and the rights/procedures as interpreted by the courts.

CMT 112 Construction Mgt I 4 4 0 6
Prerequisites: None
Corequisites: None

This course introduces students to the field of construction management technology Topics include job planning, work methods, materials, equipment, and other related topics. Upon completion, students should be able to demonstrate basic knowledge of methods, materials, equipment, and the logical sequence of a construction project.

CMT 120 Codes and Inspections 3 0 0 3
Prerequisites: None
Corequisites: None

This course covers building codes and the code inspections process used in the design and construction of residential and commercial buildings. Emphasis is placed on commercial, residential, and accessibility (handicapped) building codes. Upon completion, students should be able to understand the building code inspections process and apply building code principals and requirements to construction projects.

CMT 210 Prof Construction Superv 3 0 0 3
Prerequisites: None
Corequisites: None

This course introduces the student to the fundamentals of effective supervision emphasizing professionalism through knowledge and applied skills. Topics include safety, planning and scheduling, contract, problem-solving, communications, conflict resolution, recruitment, employment laws and regulations, leadership, motivation, teamwork, discipline, setting objectives, and training. Upon completion, the student should be able to demonstrate the basic skills necessary to be successful as a supervisor in the construction industry.

CMT 212 Total Safety Performance 3 0 0 3
Prerequisites: None
Corequisites: CMT 210

This course covers the importance of managing safety and productivity equally by encouraging people to take individual responsibility for safety and health in the workplace. Topics include safety management, controlling construction hazards, communicating and enforcing policies, OSHA compliance, personal responsibility and accountability, safety planning, training, and personal protective equipment. Upon completion, students should be able to supervise safety at a construction job site and qualify for the OSHA Training Certification.

CMT 214 Planning and Scheduling 3 0 0 3
Prerequisites: CMT 210 and BPR 130
Corequisites: None

This course covers the need for the process of planning construction projects, as well as the mechanics and vocabulary of project scheduling. Topics include project preplanning, scheduling format, planning for production, short interval planning, schedule updating and revising, and computer-based planning and scheduling. Upon completion, the student should be able to understand the need for planning and scheduling, the language and logic of scheduling, and use of planning skills.

CMT 216 Costs and Productivity 3 0 0 3
Prerequisites: CMT 210
Corequisites: None

This course covers the relationships between time, work completed, work-hours spent, schedule duration, equipment hours, and materials used. Topics include production rates, productivity unit rates, work method improvements, and overall total project cost control. Upon completion, the student should be able to demonstrate an understanding of how costs may be controlled and productivity improved on a construction project.

CMT 218 Human Relations Issues 3 0 0 3
Prerequisites: CMT 210
Corequisites: None

This course provides instruction on human relations issues as they relate to construction project supervision. Topics include relationships, human behavior, project staffing issues, teamwork, effective communication networks, laws and regulations, and identifying and responding to conflict, crisis, and discipline. Upon completion, the student will demonstrate an understanding of the importance of human relations in the success of a construction project.

COE 110 World of Work 1 0 0 1
Prerequisites: None
Corequisites: None

This course covers basic knowledge necessary for gaining and maintaining employment. Topics include job search skills, work ethic, meeting employer expectations, workplace safety, and human relations. Upon completion, students should be able to successfully make the transition from school to work.

COE 111 Co-op Work Experience I 0 0 10 1
Prerequisites: Co-op application required
Corequisites: None

This course provides work experience with a college-approved employer in an area related to the student's program of study. Emphasis is placed on integrating classroom learning with related work experience. Upon completion, students should be able to evaluate career selection, demonstrate employability skills, and satisfactorily perform work-related competencies.

Students must meet program requirements for co-op credit. **COE Work Experience courses require students to complete a co-op application and get approval for participation prior to registering for classes. To determine if you qualify or find out more about Co-op, please refer to the "Cooperative Education" section in the front of this catalog. www.cfcc.edu/co-op, or your advisor for more details.*

COE 112 Co-op Work Experience I 0 0 20 2
Prerequisites: Co-op application required
Corequisites: None

This course provides work experience with a college approved employer in an area related to the student's program of study. Emphasis is placed on integrating classroom learning with related work experience. Upon completion, students should be able to evaluate career selection, demonstrate employability skills, and satisfactorily perform work-related competencies. Students must meet program requirements for co-op credit. **COE Work Experience courses require students to complete a co-op application and get approval for participation prior to registering for classes. To determine if you qualify or find out more about Co-op, please refer to the "Cooperative Education" section in the front of this catalog. www.cfcc.edu/co-op, or your advisor for more details.*

COE 113 Co-op Work Experience I 0 0 30 3
Prerequisites: Co-op application required
Corequisites: None

This course provides work experience with a college-approved employer in an area related to the student's program of study. Emphasis is placed on integrating classroom learning with related work experience. Upon completion, students should be able to evaluate career selection, demonstrate employability skills, and satisfactorily perform work-related competencies. Students must meet program requirements for co-op credit. **COE Work Experience courses require students to complete a co-op application and get approval for participation prior to registering for classes. To determine if you qualify or find out more about Co-op, please refer to the "Cooperative Education" section in the front of this catalog. www.cfcc.edu/co-op, or your advisor for more details.*

COE 115 Work Exp Seminar I 1 0 0 1
Prerequisites: None
Corequisites: COE 111

This course is designed to be a corequisite seminar to accompany Co-operative Work Experience 111. Topics include: examination and analysis of the organizational structure, career path, job descriptions, job breakdowns and management style.

COE 121 Co-op Work Experience II 0 0 10 1
Prerequisites: Co-op application required
Corequisites: None

This course provides work experience with a college-approved employer in an area related to the student's program of study. Emphasis is placed on integrating classroom learning with related work experience. Upon completion, students should be able to evaluate career selection, demonstrate employability skills, and satisfactorily perform work-related competencies. Students must meet programmatic requirements for co-op credit. **COE Work Experience courses require students to complete a co-op application and get approval for participation prior to registering for classes. To determine if you qualify or find out more about Co-op, please refer to the "Cooperative Education" section in the front of this catalog. www.cfcc.edu/co-op, or your advisor for more details.*

COE 125 Work Exp Seminar II 1 0 0 1
Prerequisites: None
Corequisites: COE 121 or COE 122 or COE 123 or COE 124

COE 131 Co-op Work Experience III 0 0 10 1
Prerequisites: Co-op application required
Corequisites: None

This course provides work experience with a college-approved employer in an area related to the student's program of study. Emphasis is placed on integrating classroom learning with related work experience. Upon completion, students should be able to evaluate career selection, demonstrate employability skills, and satisfactorily perform work-related competencies. Students must meet programmatic requirements for co-op credit. **COE Work Experience courses require students to complete a co-op application and get approval for participation prior to registering for classes. To determine if you qualify or find out more about Co-op, please refer to the "Cooperative Education" section in the front of this catalog. www.cfcc.edu/co-op, or your advisor for more details.*

COM 110 Intro to Communication 3 0 0 3
Prerequisites: Proficiency in Reading - A grade of "C" or better in ENG 095 or RED 090 OR minimum Accuplacer score of 80 on Reading
Corequisites: None

This course provides an overview of the basic concepts of communication and the skills necessary to communicate in various contexts. Emphasis is placed on communication theories and techniques used in interpersonal group, public, intercultural, and mass communication situations. Upon completion, students should be able to explain and illustrate the forms and purposes of human communication in a variety of contexts. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in communication and may meet the SACS communication requirement for AA, AS, AFA, AGE, AAS, DIP, or CER programs. This course may also substitute as a humanities/fine arts course for AA, AS, and AFA programs.*

COM 111 Voice and Diction I 3 0 0 3
Prerequisites: None
Corequisites: None

This course provides guided practice in the proper production of speech. Emphasis is placed on improving speech, including breathing, articulation, pronunciation, and other vocal variables. Upon completion, students should be able to demonstrate effective natural speech in various contexts. *This course has been approved to satisfy the Comprehensive Articulation Agreement* *pre-major and/or elective course requirement. This course may meet the SACS communication requirement for AGE, AAS, DIP, or CER programs.*

COM 120 Introduction to Interpersonal Communication 3 0 0 3
Prerequisites: Proficiency in Reading - A grade of "C" or better in ENG 095 or RED 090 OR minimum Accuplacer score of 80 on Reading
Corequisites: None

This course introduces the practices and principles of interpersonal communication in both dyadic and group settings. Emphasis is placed on the communication process, perception, listening, self-disclosure, speech apprehension, ethics, nonverbal communication, conflict, power, and dysfunctional communication relationships. Upon completion, students should be able to demonstrate interpersonal communication skills, apply basic principles of group discussion, and manage conflict in interpersonal communication situations. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in communication and may meet the SACS communication requirement for AA, AS, AFA, AGE, AAS, DIP, or CER programs. This course may also substitute as a humanities/fine arts course for AA, AS, and AFA programs.*

COM 140 Introduction to Intercultural Communication 3 0 0 3
Prerequisites: Proficiency in Reading - A grade of "C" or better in ENG 095 or RED 090 OR minimum Accuplacer score of 80 on Reading
Corequisites: None

This course introduces techniques of cultural research, definitions, functions, characteristics, and impacts of cultural differences in public address. Emphasis is placed on how diverse backgrounds influence the communication act and how cultural perceptions and experiences determine how one sends and receives messages. Upon completion, students should be able to demonstrate an understanding of the principles and skills needed to become effective in communicating outside one's primary culture. *This course has been approved to satisfy the Comprehensive Articulation Agreement pre-major and/or elective course requirement. This course may meet the SACS communication requirement for AGE, AAS, DIP, or CER programs.*

COM 150 Introduction to Mass Communication 3 0 0 3
Prerequisites: ENG 111
Corequisites: ENG 112 or ENG 113 or ENG 114

This course introduces print and electronic media and the new information technologies in terms of communication theory and as economic, political, and social institutions. Emphasis is on the nature, history, functions, and responsibilities of mass communication industries in a global environment and their role and impact in American society. Upon completions, students should have an awareness of the persuasive nature of the mass media and how the media operate in an advanced post-industrial society. *This course has been approved to satisfy the Comprehensive Articulation Agreement for transferability as a pre-major and/or elective course requirement.*

COM 160 Small Group Communication 3 0 0 3
Prerequisites: None
Corequisites: None

This course provides an overview of the theory, practice, and critical analysis of communication in the small group setting. Emphasis is placed on group development, conflict, and conformity; leadership skills and styles; group roles and ranks; and decision making, problem solving, and conflict resolution. Upon completion, students should be able to apply topics of gender, culture, and social-emotional functions within group settings. *This course has been approved to satisfy the Comprehensive Articulation Agreement for transferability as a premajor and/or elective course requirement.*

COM 231 Public Speaking 3 0 0 3
Prerequisites: Proficiency in Reading - A grade of "C" or better in ENG 095 or RED 090 OR minimum Accuplacer score of 80 on Reading
Corequisites: None

This course provides instruction and experience in preparation and delivery of speeches within a public setting and group discussion. Emphasis is placed on research; preparation; delivery; and evaluation of informative, persuasive, and special occasion public speaking. Upon completion, students should be able to prepare and deliver well-organized speeches and participate in group discussion with appropriate audiovisual support. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in communication and may meet the SACS communication requirement for AA, AS, AFA, AGE, AAS, DIP, or CER programs. This course may also substitute as a humanities/fine arts course for AA, AS, and AFA programs.*

COM 232 Election Rhetoric 3 0 0 3
Prerequisites: Proficiency in Reading - A grade of "C" or better in ENG 095 or RED 090 OR minimum Accuplacer score of 80 on Reading
Corequisites: None

This course provides an overview of communication styles and topics characteristic of election campaigns. Topics include election speeches, techniques used in election campaigns, and election speech topics. Upon completion, students should be able to identify and analyze techniques and styles typically used in election campaigns. *This course has been approved to satisfy the Comprehensive Articulation Agreement pre-major and/or elective course requirement.*

COM 233 Persuasive Speaking 3 0 0 3
Prerequisites: ENG 112 or ENG 113
Corequisites: None

This course introduces theory and history of persuasive speaking, covering critical thinking skills in analyzing problems, assessing solutions, and communicating the information to an audience. Emphasis is placed on analysis, evidence, reasoning, and library and field research used to enhance persuasive public speaking skills. Upon completion, students should be able to apply the principles of persuasive speaking in a public setting. *This course has been approved to satisfy the Comprehensive Articulation Agreement pre-major and/or elective course requirement. This course may meet the SACS communication requirement for AGE, AAS, DIP, or CER programs.*

COM 250 Public Communication 3 0 0 3
Prerequisites: ENG 113 or ENG 114 **and** COM 120 or COM 231
Corequisites: None

This course provides a comprehensive theoretical background for the practice of speaking in public utilizing rhetoric principles applied in a series of speaking experiences. Emphasis is on informative and persuasive advanced speaking skills; speaking using the teleprompter, and on-camera presentations of news, weather and commercials. Upon completion, students should be able to construct, present, and critique public communications that are complex, dynamic and purposeful. *This course has been approved to satisfy the Comprehensive Articulation Agreement for transferability as a pre-major and/or elective course requirement*.

COM 251 Debate I 3 0 0 3
Prerequisites: None
Corequisites: None

This course introduces the principles of debate. Emphasis is placed on argument, refutation, research, and logic. Upon completion, students should be able to use research skills and logic in the presentation of ideas within the context of formal debate. *This course has been approved to satisfy the Comprehensive Articulation Agreement for transferability as a pre-major and/or elective course requirement. This course may meet the SACS communication requirement for AGE, AAS, DIP, or CER programs.*

COM 252 Debate II 3 0 0 3
Prerequisites: COM 251
Corequisites: None

This course continues the study of debate begun in COM 251. Emphasis is placed on argument, refutation, research, and logic. Upon completion, students should be able to demonstrate proficiency in research skills, logic, and presentation of ideas within the context of formal debate. *This course has been approved to satisfy the Comprehensive Articulation Agreement for transferability as a pre-major and/or elective course requirement.*

COS 111 Cosmetology Concepts I 4 0 0 4
Prerequisites: Proficiency in Reading - A grade of “C” or better in ENG 085 or RED 080 OR minimum Accuplacer score of 57 on Reading
Corequisites: COS 112

This course introduces basic cosmetology concepts. Topics include safety, first aid, sanitation, bacteriology, anatomy, diseases and disorders, hygiene, product knowledge, chemistry, ethics, manicures, and other related topics. Upon completion, students should be able to safely and competently apply cosmetology concepts in the salon setting.

COS 112 Salon I 0 24 0 8
Prerequisites: None
Corequisites: COS 111

This course introduces basic salon services. Topics include scalp treatments, shampooing, rinsing, hair color, design, haircutting, permanent waving, pressing, relaxing, wigs, and other related topics. Upon completion, students should be able to safely and competently demonstrate salon services.

COS 113 Cosmetology Concepts II 4 0 0 4
Prerequisites: COS 111 and COS 112
Corequisites: COS 114

This course covers more comprehensive cosmetology concepts. Topics include safety, product knowledge, chemistry, manicuring, chemical restructuring, and hair coloring. Upon completion, students should be able to safely and competently apply these cosmetology concepts in the salon setting.

COS 114 Salon II 0 24 0 8
Prerequisites: COS 111 and COS 112
Corequisites: COS 113

This course provides experience in a simulated salon setting. Topics include basic skin care, manicuring, nail application, scalp treatments, shampooing, rinsing, hair color, design, haircutting, chemical restructuring, pressing, wigs, and other related topics. Upon completion, students should be able to safely and competently demonstrate these salon services.

COS 115 Cosmetology Concepts III 4 0 0 4
Prerequisites: COS 111 and COS 112
Corequisites: COS 116

This course covers more comprehensive cosmetology concepts. Topics include safety, product knowledge, salon management, salesmanship, skin care, electricity/light therapy, wigs, thermal hair styling, lash and brow tinting, superfluous hair removal, and other related topics. Upon completion, students should be able to safely and competently apply these cosmetology concepts in the salon setting.

COS 116 Salon III 0 12 0 4
Prerequisites: COS 111 or COS 112
Corequisites: COS 115

This course provides comprehensive experience in a simulated salon setting. Emphasis is placed on intermediate-level of skin care, manicuring, scalp treatments, shampooing, hair color, design, haircutting, chemical restructuring, pressing, and other related topics. Upon completion, students should be able to safely and competently demonstrate these salon services.

Class Lab Clinical Credit

COS 117 Cosmetology Concepts IV 2 0 0 2
Prerequisites: COS 115 or COS 113
Corequisites: COS 118

This course covers advanced cosmetology concepts. Topics include chemistry and hair structure, advanced cutting and design, and an overview of all cosmetology concepts in preparation for the licensing examination. Upon completion, students should be able to demonstrate an understanding of these cosmetology concepts and meet program completion requirements.

COS 118 Salon IV 0 21 0 7
Prerequisites: COS 114 or COS 116
Corequisites: COS 117

This course provides advanced experience in a simulated salon setting. Emphasis is placed on efficient and competent delivery of all salon services in preparation for the licensing examination and employment. Upon completion, students should be able to demonstrate competence in program requirements and the areas covered on the Cosmetology Licensing Examination and meet entry-level employment requirements.

COS 119 Esthetics Concepts I 2 0 0 2
Prerequisites: Proficiency in Reading - A grade of “C” or better in ENG 085 or RED 080 OR minimum Accuplacer score of 57 on Reading
Corequisites: None

This course covers the concepts of esthetics. Topics include orientation, anatomy, physiology, hygiene, sterilization, first aid, chemistry, basic dermatology, and professional ethics. Upon completion, students should be able to demonstrate an understanding of the concepts of esthetics and meet course requirements.

COS 120 Esthetics Salon I 0 18 0 6
Prerequisites: None
Corequisites: None

This course covers the techniques of esthetics in a comprehensive experience in a simulated salon setting. Topics include client consultation, facials, body treatments, hair removal, make-up applications, and color analysis. Upon completion, students should be able to safely and competently demonstrate esthetic services on clients in a salon setting.

COS 121 Manicure/Nail Technology I 4 6 0 6
Prerequisites: None
Corequisites: None

This course covers techniques of nail technology, hand and arm massage, and recognition of nail diseases and disorders. Topics include OSHA/safety, sanitation, bacteriology, product knowledge, salesmanship, manicures, artificial applications, pedicures, massage, and other related topics. Upon completion, students should be able to safely and competently perform nail care, including manicures, pedicures, massage, decorating, and artificial applications in a salon setting.

Class Lab Clinical Credit

COS 125 Esthetics Concepts II 2 0 0 2
Prerequisites: COS 119 and COS 120
Corequisites: COS 126

This course covers more comprehensive esthetics concepts. Topics include nutrition, business management, makeup, and color analysis. Upon completion students should be able to demonstrate an understanding of the advanced esthetics concepts and meet course requirements.

COS 126 Esthetics Salon II 0 18 0 6
Prerequisites: COS 119 and COS 120
Corequisites: COS 125

This course provides experience in a simulated esthetics setting. Topics include machine facials, aromatherapy, massage therapy, electricity, and apparatus. Upon completion, students should be able to demonstrate competence in program requirements and the areas covered on the Cosmetology licensing examination for Estheticians.

COS 222 Manicure/Nail Tech II 4 6 0 6
Prerequisites: COS 121
Corequisites: None

This course covers advanced techniques of nail technology and hand and arm massage. Topics include OSHA/safety, product knowledge, customer service, salesmanship, artificial applications, nail art, and other related topics. Upon completion, students should be able to demonstrate competence necessary for the licensing examination, including advanced nail care, artificial enhancements, and decorations.

COS 240 Contemporary Design 1 3 0 2
Prerequisites: COS 111 and COS 112
Corequisites: None

This course covers methods and techniques for contemporary designs. Emphasis is placed on contemporary designs and other related topics. Upon completion, students should be able to demonstrate and apply techniques associated with contemporary design.

COS 253 Esthetics Ins. Concepts I 6 15 0 11
Prerequisites: Valid NC Cosmetology or Esthetician License
Corequisites: None

This course introduces esthetic instructional concepts and skills. Topics include orientation, theories of education, unit planning, daily lesson plans, laboratory management, student assessment in a laboratory setting. Upon completion, students should be able to demonstrate esthetic services and instruct and objectively assess student performance in a classroom setting.

COS 254 Esthetic Ins. Concepts II 6 15 0 11
Prerequisites: COS 253
Corequisites: None

This course covers advanced esthetic instructional concepts and skills. Topics include practical demonstrations, lesson

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planning, lecture techniques, development and administration of assessment tools, record keeping and other related topics. Upon completion, students should be able to demonstrate competencies in the areas covered by the Esthetics Instructor Licensing Examination and meet program requirements.

COS 271 Instructor Concepts I 5 0 0 5
Prerequisites: Valid NC Cosmetology License
Corequisites: COS 272

This course introduces the basic cosmetology instructional concepts. Topics include orientation, theories of education, unit planning, daily lesson planning, laboratory management, student assessment, record keeping, and other related topics. Upon completion, students should be able to identify theories of education, develop lesson plans, demonstrate supervisory techniques, and assess student performance in a classroom setting.

COS 272 Instructor Practicum I 0 21 0 7
Prerequisites: None
Corequisites: COS 271

This course covers supervisory and instructional skills for teaching entry-level cosmetology students in a laboratory setting. Topics include demonstrations of services, supervision, and entry-level student assessment. Upon completion, students should be able to demonstrate salon services and instruct and objectively assess the entry-level student.

COS 273 Instructor Concepts II 5 0 0 5
Prerequisites: COS 271 and COS 272
Corequisites: COS 274

This course covers advanced cosmetology instructional concepts. Topics include practical demonstrations, lesson planning, lecture techniques, development and administration of assessment tools, record keeping, and other related topics. Upon completion, students should be able to develop lesson plans, demonstrate supervision techniques, assess student performance in a classroom setting, and keep accurate records.

COS 274 Instructor Practicum II 0 21 0 7
Prerequisites: COS 271 and COS 272
Corequisites: COS 273

This course is designed to develop supervisory and instructional skills for teaching advanced cosmetology students in a laboratory setting. Topics include practical demonstrations, supervision, and advanced student assessment. Upon completion, students should be able to demonstrate competence in the areas covered by the Instructor Licensing Examination and meet program completion requirements.

CSC 133 C Programming 2 3 0 3
Prerequisites: Proficiency in Reading - A grade of "C" or better in ENG 095 or RED 090 OR minimum Accuplacer score of 80 on Reading
Corequisites: CIS 110

This course introduces computer programming using the C programming language with structured programming principles. Topics include input/output operations, iteration, arithmetic operations, arrays, pointers, filters, and other related topics. Upon completion, students should be able to design, code, test and debug at a beginning level.

Class Lab Clinical Credit

CSC 139 Visual BASIC Programming 2 3 0 3
Prerequisites: None
Corequisites: None

This course introduces event-driven computer programming using the Visual BASIC programming language. Topics include input/output operations, sequence, selection, iteration, arithmetic operations, arrays, forms, sequential files, and other related topics. Upon completion, students should be able to design, code, test, and debug Visual BASIC language programs.

CSC 151 JAVA Programming 2 3 0 3
Prerequisites: None
Corequisites: CIS 110

This course introduces computer programming using the JAVA programming language with object-oriented programming principles. Emphasis is placed on event-driven programming methods, including creating and manipulating objects, classes, and using object-oriented tools such as the class debugger. Upon completion students should be able to design, code, test, debug JAVA language programs. This course has been approved to satisfy the Comprehensive Articulation Agreement for transferability as a premajor and/or elective course requirement.

CSC 153 C# Programming 2 3 0 3
Prerequisites: CSC 115
Corequisites: None

This course introduces computer programming using the C# programming language with object-oriented programming principles. Emphasis is placed on event-driven programming methods, including creating and manipulating objects, classes, and using object-oriented tools such as the class debugger. Upon completion, students should be able to design, code, test, debug, and implement objects using the appropriate environment at the beginning level.

CSC 251 Adv JAVA Programming 2 3 0 3
Prerequisites: CSC 151
Corequisites: None

This course is a continuation of CSC 151 using the JAVA programming language with object-oriented programming principles. Emphasis is placed on event-driven programming methods, including creating and manipulating objects, classes, and using object-oriented tools such as the class debugger. Upon completion, students should be able to design, code, test, debug, and implement objects using the appropriate environment.

CSC 258 JAVA Enterprise Programs 2 3 0 3
Prerequisites: CSC 151
Corequisites: None

This course provides a continuation to CSC 151 using the Java Enterprise Edition (JEE) programming architecture. Topics include distributed network applications, database connectivity, Enterprise Java Beans, servlets, collection frameworks, JNDI, RMI, JSP, multithreading XML and multimedia development. Upon completion, students should be able to program a client/server enterprise application using the JEE framework.

CST 244 Sustainable Bldg Design 2 3 0 3
Prerequisites: None
Corequisites: None

This course is designed to increase student knowledge about integrating sustainable design principles and green building technologies into mainstream residential construction practices. Emphasis is placed on reducing negative environmental impact and improving building performance, indoor air quality and the comfort of a building's occupants. Upon completion, students should be able to identify principles of green building, environmental efficiency and conservation of natural resources in relation to basic construction practices.

CTC 111 Basic Chemistry I 4 6 0 7
Prerequisites: None
Corequisites: None

This course introduces the basic principles of chemistry with emphasis on applications to chemical technology. Topics include measurement, elements, compounds, moles, solutions, reactions, gases, molecular structure, electron configurations, nomenclature, periodic trends, stoichiometry, and basic laboratory tools, techniques, and safety. Upon completion, students should be able to demonstrate an understanding of basic chemical calculations and routine laboratory procedures.

CTC 112 Basic Chemistry II 4 6 0 7
Prerequisites: CTC 111
Corequisites: None

This course introduces solubility, electrochemistry, chemical kinetics, chemical equilibrium, acid/base chemistry, and nuclear chemistry. Topics include solubility products, element families, and basic laboratory tools, techniques, and safety. Upon completion, students should be able to demonstrate an understanding of basic chemical calculations and routine laboratory procedures.

CTC 120 Organic Chemistry I 2 0 0 2
Prerequisites: CTC 111
Corequisites: None

This course covers the nomenclature and properties of organic functional groups with a focus on applications to chemical technology. Emphasis is placed on properties of aliphatic and aromatic hydrocarbons, including alkanes, cycloalkanes, alkenes, alkynes, alcohols and ethers. Upon completion, students should be able to name, identify, and predict reactions for organic molecules.

CTC 140 Organic Processes 2 1 0 7
Prerequisites: CTC 120
Corequisites: None

This course introduces a chemical technology "real world" laboratory experience. Topics include stereochemistry, delocalization, substitution, elimination reactions and basic laboratory methods such as distillation, extraction, and the use of IR and UV-VIS. Upon completion, students should be able to demonstrate competence in the laboratory techniques presented as well as predict organic reactions.

CTC 220 Organic Chemistry II 3 6 0 6
Prerequisites: CTC 140
Corequisites: None

This course covers intermediate nomenclature and properties of organic functional groups with emphasis on applications to chemical technology. Topics include the preparation, reactions, and analysis of alcohols, amines, ethers, epoxides, and carbonyl compounds. Upon completion, students should be able to predict products from intermediate reactions and determine structures of organic compounds by utilizing IR, UV, and RI.

CTC 230 Organic Chemistry III 2 6 0 5
Prerequisites: CTC 220
Corequisites: None

This course introduces chemistry at the biological level. Topics include nitrogen compounds, polymers, stereochemistry, carbohydrates, lipids, amino acids, proteins, nucleic acids, protein and nucleic purification, electrophoresis, PCR, and enzymes. Upon completion, students should be able to recognize biologically active compounds, describe their structure and activity, and predict organic products of biological reactions.

CTC 240 Industrial Analysis I 2 6 0 5
Prerequisites: CTC 140
Corequisites: None

This course covers appropriate use of equipment and instruments in pharmaceutical and industrial settings as well as qualitative chemical analysis of selected inorganic ions. Emphasis is placed on sample preparation, statistical parameters, titrations, potentiometric methods and various forms of spectroscopy, including UV, AA, AE, IR, NMR, and mass spectroscopy. Upon completion, students should be able to carry out all analytical schemes presented.

CTC 250 Industrial Analysis II 2 6 0 5
Prerequisites: CTC 240
Corequisites: None

This course covers the use of various instruments and analytical methods in pharmaceutical, academic, or industrial settings. Emphasis is placed on various forms of chromatography, including GC, HPLC, IC, TLC, and size exclusion, as well as chemiluminescence and radioactive labels. Upon completion, students should be able to carry out all analytical schemes presented and be able to utilize all applicable instruments.

CTS 115 Info Sys Business Concept 3 0 0 3
Prerequisites: None
Corequisites: None

The course introduces the role of IT in managing business processes and the need for business process and IT alignment. Emphasis is placed on industry need for understanding business challenges and developing/managing information systems to contribute to the decision making process based on these challenges. Upon completion, students should be able to demonstrate knowledge of the ëhybrid business manager’ and the potential offered by new technology and systems. *This course has been approved to satisfy the Comprehensive Articulation Agreement for transferability as a premajor and/or elective course requirement*

CTS 120 Hardware/Software Support 2 3 0 3
Prerequisites: CIS 110 or CIS 111
Corequisites: None

This course covers the basic hardware of a personal computer, including installation, operations and interactions with software. Topics include component identification, memory-system, peripheral installation and configuration, preventive maintenance, hardware diagnostics/repair, installation and optimization of system software, commercial programs, system configuration, and device-drivers. Upon completion, students should be able to select appropriate computer equipment and software, upgrade/maintain existing equipment and software, and troubleshoot/repair non-functioning personal computers.

CTS 130 Spreadsheet 2 2 0 3
Prerequisites: CIS 110 or CIS 111 or OST 137
Corequisites: None

This course introduces basic spreadsheet design and development. Topics include writing formulas, using functions, enhancing spreadsheets, creating charts, and printing. Upon completion, students should be able to design and print basic spreadsheets and charts.

CTS 285 Systems Analysis & Design 3 0 0 3
Prerequisites: CIS 115
Corequisites: None

This course introduces established and evolving methodologies for the analysis, design, and development of an information system. Emphasis is placed on system characteristics, managing projects, prototyping, CASE/OOM tools, and systems development life cycle phases. Upon completion, students should be able to analyze a problem and design an appropriate solution using a combination of tools and techniques.

CTS 289 System Support Project 1 4 0 3
Prerequisites: CTS 285
Corequisites: None

This course provides an opportunity to complete a significant support project with minimal instructor assistance. Emphasis is placed on written and oral communication skills, project definition, documentation, installation, testing, presentation, and user training. Upon completion, students should be able to complete a project from the definition phase through implementation.

CUL 110 Sanitation & Safety 2 0 0 2
Prerequisites: Proficiency in Reading - A grade of “C” or better in ENG 095 or RED 090 OR minimum Accuplacer score of 80 on Reading
Corequisites: CUL 110A

This course introduces the basic principles of sanitation and safety and their relationship to the hospitality industry. Topics include personal hygiene, sanitation and safety regulations, use and care of equipment, the principles of food-borne illness, and other related topics. Upon completion, students should be able to demonstrate an understanding of the content necessary for successful completion of a nationally recognized food/safety/sanitation exam.

CUL 110A Sanitation & Safety Lab 0 2 0 1
Prerequisites: Proficiency in Reading - A grade of “C” or better in ENG 095 or RED 090 OR minimum Accuplacer score of 80 on Reading
Corequisites: CUL 110

This course provides a laboratory experience for enhancing student skills in the basic principles of sanitation and safety. Emphasis is placed on personal hygiene, sanitation and safety regulations, use and care of equipment, the principles of food-borne illness, and other related topics. Upon completion, students should be able to demonstrate practical applications of sanitation and safety procedures in the hospitality industry.

CUL 120 Purchasing 2 0 0 2
Prerequisites: None
Corequisites: CUL 120A

This course covers purchasing for foodservice operations. Emphasis is placed on yield tests, procurement, negotiating, inventory control, product specification, purchasing ethics, vendor relationships, food product specifications and software applications. Upon completion, students should be able to apply effective purchasing techniques based on the end-use of the product.

CUL 120A Purchasing Lab 0 2 0 1
Prerequisites: None
Corequisites: CUL 120

This course provides a laboratory experience for enhancing student skills in purchasing for foodservice operations. Emphasis is placed on practical experiences in yield tests, procurement, negotiating, inventory control, product specification, purchasing ethics, vendor relationships, food product specifications and software applications. Upon completion, students should be able to demonstrate practical applications of purchasing within the hospitality industry.

CUL 125 Hospitality Info Systems 1 2 0 2
Prerequisites: None
Corequisites: None

This course introduces hospitality and food service information systems. Topics include planning, cost controls, forecasting, inventory control, recipe control, production control, and nutritional analysis. Upon completion, students should be able to

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demonstrate competence in utilizing contemporary information application systems in a hospitality setting.

CUL 130 Menu Design 2 0 0 2
Prerequisites: None
Corequisites: None

This course introduces menu design and its relationship to foodservice operations. Topics include layout, marketing, concept development, dietary concerns, product utilization, target consumers and trends. Upon completion, students should be able to design, create and produce menus for a variety of foodservice settings.

CUL 135 Food & Beverage Service 2 0 0 2
Prerequisites: None
Corequisites: CUL 135A

This course is designed to cover the practical skills and knowledge necessary for effective food and beverage service in a variety of settings. Topics include greeting/service of guests, dining room set-up, profitability, menu sales and merchandising, service styles and reservations. Upon completion, students should be able to demonstrate competence in human relations and the skills required in the service of foods and beverages.

CUL 135A Food & Bev Serv Lab 0 2 0 1
Prerequisites: None
Corequisites: CUL 135

This course provides a laboratory experience for enhancing student skills in effective food and beverage service. Emphasis is placed on practical experiences including greeting/service of guests, dining room set-up, profitability, menu sales and merchandising, service styles and reservations. Upon completion, students should be able to demonstrate practical applications of human relations and the skills required in the service of foods and beverages.

CUL 140 Basic Culinary Skills 2 6 0 5
Prerequisites: Proficiency in Reading - A grade of "C" or better in ENG 095 or RED 090 OR minimum Accuplacer score of 80 on Reading
Corequisites: CUL 110 and CUL 110A

This course introduces the fundamental concepts, skills and techniques in basic cookery, and moist, dry and combination heat. Emphasis is placed on recipe conversion, measurements, terminology, classical knife cuts, safe food/equipment handling, flavorings/seasonings, stocks/sauces/soups, and related topics. Upon completion, students should be able to exhibit the basic cooking skills used in the foodservice industry.

CUL 142 Fundamentals of Food 2 6 0 5
Prerequisites: None
Corequisites: None

This course introduces the student to the basic principles of cooking, baking and kitchen operations. Topics include preparation methods for protein, starch, vegetable/fruit identification/selection, storage; breakfast cookery, breads, sweet dough/pastries, basic fabrication, knife skills, and mise en place. Upon completion, students should be able to execute efficiently a broad range of basic cooking/baking skills as they apply to different stations in foodservice operations.

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CUL 150 Food Science 1 2 0 2
Prerequisites: Proficiency in Reading - A grade of "C" or better in ENG 095 or RED 090 OR minimum Accuplacer score of 80 on Reading
Corequisites: CUL 110 and CUL 110A

This course covers the chemical and physical changes in foods that occur with cooking, handling, and processing. Emphasis is placed on practical application of heat transfer and its effect on color/flavor/texture, emulsification, protein coagulation, leavening agents, viscosity, and gel formation. Upon completion, students should be able to demonstrate an understanding of these principles as they apply to food preparation in an experimental setting.

CUL 160 Baking I 1 4 0 3
Prerequisites: Proficiency in Reading - A grade of "C" or better in ENG 095 or RED 090 OR minimum Accuplacer score of 80 on Reading
Corequisites: CUL 110 and CUL 110A

This course covers basic ingredients, techniques, weights and measures, baking terminology and formula calculations. Topics include yeast/chemically leavened products, laminated doughs, pastry dough batter, pies/tarts, meringue, custard, cakes and cookies, icings, glazes and basic sauces. Upon completion, students should be able to demonstrate proper scaling and measurement techniques, and prepare and evaluate a variety of bakery products.

CUL 170 Garde-Manger I 1 4 0 3
Prerequisites: Proficiency in Reading - A grade of "C" or better in ENG 095 or RED 090 OR minimum Accuplacer score of 80 on Reading
Corequisites: CUL 110 and CUL 110A

This course introduces basic cold food preparation techniques and pantry production. Topics include salads, sandwiches, appetizers, dressings, basic garnishes, cheeses, cold sauces, and related food items. Upon completion, students should be able to present a cold food display and exhibit an understanding of the cold kitchen and its related terminology.

CUL 180 Internat & American Cuisine 1 8 0 5
Prerequisites: CUL 140
Corequisites: None

This course provides practical experience in the planning, preparation, and service of representative foods from different countries and regions of America. Emphasis is placed on eating habits, indigenous foods and customs, nutritional concerns, and traditional equipment. Upon completion, students should be able to research and execute international and domestic menus.

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CUL 210 Food Service for Spec Pop 1 8 0 5
Prerequisites: Proficiency in Reading - A grade of “C” or better in ENG 095 or RED 090 OR minimum Accuplacer score of 80 on Reading
Corequisites: CUL 110 and CUL 110A

This course covers nutrition and menu planning principles, food preparation, and food management skills needed to provide meals to special populations. Topics include food preparation for child care, geriatric, and school settings. Upon completion, students should be able to plan, organize, and prepare appealing and nutritious meals for special populations within appropriate guidelines.

CUL 214 Wine Appreciation 1 2 0 2
Prerequisites: None
Corequisites: None

This course provides an introduction to information about wine from all the major wine producing regions. Emphasis is placed on the history of wine, production, characteristics, wine list development, laws, purchasing and storing requirements. Upon completion, students should be able to evaluate varietal wines and basic food pairings.

CUL 220 Food Service for Spec Ops 1 8 0 5
Prerequisites: CUL 110 and CUL 110A
Corequisites: None

This course covers menu planning principles, food preparation, food procurement, and food management skills needed to provide appealing and profitable food service in special operations. Topics include fast-food cookery, convenience-store food service, supermarkets, delicatessens, and take-out venue. Upon completion, students should be able to plan, organize, and prepare food service items for special operations.

CUL 230 Global Cuisines 1 8 0 5
Prerequisites: CUL 110 and CUL 140
Corequisites: None

This course provides practical experience in the planning, preparation, and presentation of representative foods from a variety of world cuisines. Emphasis is placed on indigenous ingredients and customs, nutritional concerns, and cooking techniques. Upon completion, students should be able to research and execute a variety of international and domestic menus.

CUL 240 Culinary Skills II 1 8 0 5
Prerequisites: CUL 110 and CUL 140
Corequisites: None

This course is designed to further students’ knowledge of the fundamental concepts, skills, and techniques involved in basic cookery. Emphasis is placed on meat identification/fabrication, butchery and cooking techniques/methods; appropriate vegetable/starch accompaniments; compound sauces; plate presentation; breakfast cookery; and quantity food preparation. Upon completion, students should be able to plan, execute, and successfully serve entrees with complementary side items.

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CUL 245 Contemporary Cuisines 1 8 0 5
Prerequisites: CUL 110 and CUL 140
Corequisites: None

This course introduces students to current culinary trends which include a variety of preparation methods. Topics include current and developing trends such as adaptation of native/regional ingredients and preparation methods into contemporary cuisines. Upon completion, students should be able to demonstrate knowledge of a variety of contemporary cuisines.

CUL 250 Classical Cuisine 1 8 0 5
Prerequisites: CUL 110, CUL 140 and CUL 240
Corequisites: None

This course is designed to reinforce the classical culinary kitchen. Topics include the working Grand Brigade of the kitchen, signature dishes and classical banquets. Upon completion, students should be able to demonstrate competence in food preparation in a classical/upscale restaurant or banquet setting.

CUL 260 Baking II 1 4 0 3
Prerequisites: CUL 110 and CUL 160
Corequisites: None

This course is designed to further students’ knowledge in ingredients, weights and measures, baking terminology and formula calculation. Topics include classical desserts, frozen desserts, cake and torte production, decorating and icings/glazes, dessert plating and presentation. Upon completion, students should be able to demonstrate pastry preparation, plating, and dessert buffet production skills.

CUL 270 Garde-Manger II 1 4 0 3
Prerequisites: CUL 110, CUL 140, and CUL 170
Corequisites: None

This course is designed to further students’ knowledge in basic cold food preparation techniques and pantry production. Topics include pâtés, terrines, galantines, decorative garnishing skills, carving, charcuterie, smoking, canapés, hors d?oeuvres, and related food items. Upon completion, students should be able to design, set up, and evaluate a catering/event display to include a cold buffet with appropriate showpieces.

CUL 280 Pastry & Confections 1 4 0 3
Prerequisites: CUL 110, CUL 140, and CUL 160
Corequisites: None

This course includes confections and candy, chocolate techniques, transfer sheets, pulled and blown sugar, pastillage, marzipan and custom silicon molding. Emphasis is placed on showpieces, pre-set molding, stencil cutouts, pattern tracing and/or free-hand shaping. Upon completion, students should be able to design and produce centerpieces and showpieces.

CUL 285 Competition Fundamentals 1 4 0 3
Prerequisites: CUL 110, CUL 110A, CUL 140 or CUL 160
Corequisites: None

This course provides practical experience in the planning, techniques, and procedures required for culinary competi-

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tions and exhibitions. Emphasis is placed on competition strategies including menu planning, teamwork, plate design, flavor profiles, recipe development, nutrition, advanced knife/culinary skills, professionalism, and portfolio development. Upon completion, students should be able to apply competition/exhibition skills and standards in the competition arena and professional kitchen.

DBA 110 Database Concepts 2 3 0 3
Prerequisites: CIS 110 or CIS 111
Corequisites: None

This course introduces database design and creation using a DBMS product. Emphasis is placed on data dictionaries, normalization, data integrity, data modeling, and creation of simple tables, queries, reports, and forms. Upon completion, students should be able to design and implement normalized database structures by creating simple database tables, queries, reports, and forms.

DDF 211 Design Process I 1 6 0 4
Prerequisites: DFT 112, DFT 154
Corequisites: None

This course emphasizes design processes for finished products. Topics include data collection from manuals and handbooks, efficient use of materials, design sketching, specifications, and vendor selection. Upon completion, students should be able to research and plan the design process for a finished product.

DDF 212 Design Process II 1 6 0 4
Prerequisites: DDF 211 and MEC 111
Corequisites: None

This course stresses the integration of various design practices. Emphasis is placed on the creation of an original design. Upon completion, students should be able to apply engineering graphics and design procedures to a design project.

DEA 111 Introduction to DEAT 2 2 0 3
Prerequisites: None
Corequisites: None

This course is an overview of the digital effects and animation technology field from the most simple processes to the most complex. Topics covered include digitizing existing images, creating digital images, manipulation of images and various forms of computer animation. Upon completion, students should be able to demonstrate a vocabulary of the digital effects and animation field and knowledge of outstanding examples of work in the field.

DEN 100 Basic Orofacial Anatomy 2 0 0 2
Prerequisites: Enrollment in the Dental Assisting program
Corequisites: DEN 101

This course provides a basic introduction to the structures of the head, neck, and oral cavity. Topics include tooth morphology, head and neck anatomy, histology, and embryology. Upon completion, students should be able to demonstrate knowledge of normal structures and development and how they relate to the practice of dental assisting. This is a diploma-level course.

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DEN 101 Preclinical Procedures 4 6 0 7
Prerequisites: Enrollment in the Dental Assisting Program
Corequisites: DEN 111

This course provides instruction in procedures for the clinical dental assistant as specified by the North Carolina Dental Practice Act. Emphasis is placed on orientation to the profession, infection control techniques, instruments, related expanded functions, and diagnostic, operative, and specialty procedures. Upon completion, students should be able to demonstrate proficiency in clinical dental assisting procedures.

DEN 102 Dental Materials 3 4 0 5
Prerequisites: Enrollment in the Dental Assisting Program
Corequisites: DEN 101

This course provides instruction in identification, properties, evaluation of quality, principles, and procedures related to manipulation and storage of operative and specialty dental materials. Emphasis is placed on the understanding and safe application of materials used in the dental office and laboratory. Upon completion, students should be able to demonstrate proficiency in the laboratory and clinical application of routinely used dental materials.

DEN 103 Dental Sciences 2 0 0 2
Prerequisites: DEN 100
Corequisites: DEN 106

This course is a study of oral pathology, pharmacology, and dental office emergencies. Topics include oral pathological conditions, dental therapeutics, and management of emergency situations. Upon completion, students should be able to recognize abnormal oral conditions, identify classifications, describe actions and effects of commonly prescribed drugs, and respond to medical emergencies.

DEN 104 Dental Health Education 2 2 0 3
Prerequisites: DEN 101 and DEN 111
Corequisites: DEN 106

This course covers the study of preventive dentistry to prepare dental assisting students for the role of dental health educator. Topics include etiology of dental diseases, preventive procedures, and patient education theory and practice. Upon completion, students should be able to demonstrate proficiency in patient counseling and oral health instruction in private practice or public health settings.

DEN 105 Practice Management 2 0 0 2
Prerequisites: DEN 100
Corequisites: DEN 106

This course provides a study of principles and procedures related to management of the dental practice. Emphasis is placed on maintaining clinical and financial records, patient scheduling, and supply and inventory control. Upon completion, students should be able to demonstrate fundamental skills in dental practice management.

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DEN 106 Clinical Practice I 1 0 12 5
Prerequisites: DEN 101 and DEN 111
Corequisites: DEN 103, DEN 104, and DEN 112

This course is designed to provide experience assisting in a clinical setting. Emphasis is placed on the application of principles and procedures of four-handed dentistry and laboratory and clinical support functions. Upon completion, students should be able to utilize classroom theory and laboratory and clinical skills in a dental setting.

DEN 107 Clinical Practice II 1 0 12 5
Prerequisites: DEN 106
Corequisites: None

This course is designed to increase the level of proficiency in assisting in a clinical setting. Emphasis is placed on the application of principles and procedures of four-handed dentistry and laboratory and clinical support functions. Upon completion, students should be able to combine theoretical and ethical principles necessary to perform entry-level skills including functions delegable to a DA II.

DEN 110 Orofacial Anatomy 2 2 0 3
Prerequisites: Enrollment in the Dental Assisting or Dental Hygiene program
Corequisites: DEN 121

This course introduces the structures of the head, neck, and oral cavity. Topics include tooth morphology, head and neck anatomy, histology, and embryology. Upon completion, students should be able to relate the identification of normal structures and development to the practice of dental assisting and dental hygiene. This course is intended for diploma and AAS degree programs.

DEN 111 Infection/Hazard Control 2 0 0 2
Prerequisites: Enrollment in the Dental Assisting or Dental Hygiene program
Corequisites: DEN 101 or DEN 121

This course introduces the infection and hazard control procedures necessary for the safe practice of dentistry. Topics include microbiology, practical infection control, sterilization and monitoring, chemical disinfectants, aseptic technique, infectious diseases, OSHA standards, and applicable North Carolina laws. Upon completion, students should be able to understand infectious diseases, disease transmission, infection control procedures, biohazard management, OSHA standards, and applicable North Carolina laws. This course is intended for diploma and AAS degree programs.

DEN 112 Dental Radiography 2 3 0 3
Prerequisites: Enrollment in the Dental Assisting or Dental Hygiene program
Corequisites: DEN 100 or DEN 110 and DEN 111

This course provides a comprehensive view of the principles and procedures of radiology as they apply to dentistry. Topics include techniques in exposing, processing, and evaluating radiographs, as well as radiation safety, quality assurance, and legal issues. Upon completion, students should be able to demonstrate proficiency in the production of diagnostically acceptable radiographs using appropriate safety precautions. This course is intended for diploma and AAS degree programs.

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DEN 120 Dental Hyg Preclinic Lec 2 0 0 2
Prerequisites: Enrollment in the Dental Hygiene program
Corequisites: DEN 121

This course introduces preoperative and clinical dental hygiene concepts. Emphasis is placed on the assessment phase of patient care as well as the theory of basic dental hygiene instrumentation. Upon completion, students should be able to collect and evaluate patient data at a basic level and demonstrate knowledge of dental hygiene instrumentation.

DEN 121 Dental Hygiene Precl Lab 0 6 0 2
Prerequisites: Enrollment in the Dental Hygiene program
Corequisites: DEN 110 and DEN 111 and DEN 120

This course provides the opportunity to perform clinical dental hygiene procedures discussed in DEN 120. Emphasis is placed on clinical skills in patient assessment and instrumentation techniques. Upon completion, students should be able to demonstrate the ability to perform specific preclinical procedures.

DEN 123 Nutrition/Dental Health 2 0 0 2
Prerequisites: Enrollment in the Dental Hygiene program
Corequisites: None

This course introduces basic principles of nutrition with emphasis on nutritional requirements and their application to individual patient needs. Topics include the study of the food pyramid, nutrient functions, Recommended Daily Allowances, and related psychological principles. Upon completion, students should be able to recommend and counsel individuals on their food intake as related to their dental health.

DEN 124 Periodontology 2 0 0 2
Prerequisites: DEN 110
Corequisites: None

This course provides an in-depth study of the periodontium, periodontal pathology, periodontal monitoring, and the principles of periodontal therapy. Topics include periodontal anatomy and a study of the etiology, classification, and treatment modalities of periodontal diseases. Upon completion, students should be able to describe, compare, and contrast techniques involved in periodontal/maintenance therapy, as well as patient care management.

DEN 125 Dental Office Emergencies 0 2 0 1
Prerequisites: Enrollment in the Dental Hygiene program
Corequisites: None

This course provides a study of the management of dental office emergencies. Topics include methods of prevention, necessary equipment/drugs, medicolegal considerations, recognition and effective initial management of a variety of emergencies. Upon completion, the student should be able to recognize, assess, and manage various dental office emergencies and activate advanced medical support when indicated.

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DEN 130 Dental Hygiene Theory I 2 0 0 2
Prerequisites: DEN 120
Corequisites: DEN 131

This course is a continuation of the didactic dental hygiene concepts necessary for providing an oral prophylaxis. Topics include deposits/removal, instrument sharpening, patient education, fluorides, planning for dental hygiene treatment, charting, and clinical records and procedures. Upon completion, students should be able to demonstrate knowledge needed to complete a thorough oral prophylaxis.

DEN 131 Dental Hygiene Clinic I 0 0 9 3
Prerequisites: DEN 121
Corequisites: DEN 130

This course continues skill development in providing an oral prophylaxis. Emphasis is placed on treatment of the recall patients with gingivitis or light deposits. Upon completion, students should be able to assess these patients' needs and complete the necessary dental hygiene treatment.

DEN 140 Dental Hygiene Theory II 1 0 0 1
Prerequisites: DEN 130
Corequisites: DEN 141

This course provides a continuation of the development, theory, and practice of patient care. Topics include modification of treatment for special needs patients, and advanced radiographic interpretation. Upon completion, students should be able to differentiate necessary treatment modifications, and radiographic abnormalities.

DEN 141 Dental Hygiene Clinic II 0 0 6 2
Prerequisites: DEN 131
Corequisites: DEN 140

This course continues skill development in providing an oral prophylaxis. Emphasis is placed on treatment of patients with early periodontal disease and subgingival deposits. Upon completion, students should be able to assess these patients' needs and complete the necessary dental hygiene treatment.

DEN 220 Dental Hygiene Theory III 2 0 0 2
Prerequisites: DEN 140
Corequisites: DEN 221

This course provides a continuation in developing the theories and practices of patient care. Topics include periodontal debridement, pain control, subgingival irrigation, air polishing, and case presentations. Upon completion, students should be able to demonstrate knowledge of methods of treatment and management of periodontally compromised patients.

DEN 221 Dental Hygiene Clinic III 0 0 12 4
Prerequisites: DEN 141
Corequisites: DEN 220

This course continues skill development in providing an oral prophylaxis. Emphasis is placed on treatment of patients with moderate to advanced periodontal involvement and moderate deposits. Upon completion, students should be able to assess these patients' needs and complete the necessary dental hygiene treatment.

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DEN 222 General & Oral Pathology 2 0 0 2
Prerequisites: BIO 168, DEN 110
Corequisites: None

This course provides a general knowledge of oral pathological manifestations associated with selected systemic and oral diseases. Topics include developmental and degenerative diseases, selected microbial diseases, specific and nonspecific immune and inflammatory responses with emphasis on recognizing abnormalities. Upon completion, students should be able to differentiate between normal and abnormal tissues and refer unusual findings to the dentist for diagnosis.

DEN 223 Dental Pharmacology 2 0 0 2
Prerequisites: Enrollment in the Dental Hygiene program
Corequisites: BIO 168

This course provides basic drug terminology, general principles of drug actions, dosages, routes of administration, adverse reactions, and basic principles of anesthesiology. Emphasis is placed on knowledge of drugs in overall understanding of patient histories and health status. Upon completion, students should be able to recognize that each patient's general health or drug usage may require modification of the treatment procedures.

DEN 224 Materials and Procedures 1 3 0 2
Prerequisites: DEN 111
Corequisites: None

This course introduces the physical properties of materials and related procedures used in dentistry. Topics include restorative and preventive materials, fabrication of casts and appliances, and chair side functions of the dental hygienist. Upon completion, students should be able to demonstrate proficiency in the laboratory and/or clinical application of routinely used dental materials and chair side functions.

DEN 230 Dental Hygiene Theory IV 1 0 0 1
Prerequisites: DEN 220
Corequisites: DEN 231

This course provides an opportunity to increase knowledge of the profession. Emphasis is placed on dental specialties and completion of a case presentation. Upon completion, students should be able to demonstrate knowledge of various disciplines of dentistry and principles of case presentations.

DEN 231 Dental Hygiene Clinic IV 0 0 12 4
Prerequisites: DEN 221
Corequisites: DEN 230

This course continues skill development in providing an oral prophylaxis. Emphasis is placed on periodontal maintenance and on treating patients with moderate to advanced/refractory periodontal disease. Upon completion, students should be able to assess these patients' needs and complete the necessary dental hygiene treatment.

Class Lab Clinical Credit

DEN 232 Community Dental Health 2 0 3 3
Prerequisites: Enrollment in the Dental Hygiene program
Corequisites: None

This course provides a study of the principles and methods used in assessing, planning, implementing, and evaluating community dental health programs. Topics include epidemiology, research methodology, biostatistics, preventive dental care, dental health education, program planning, and financing and utilization of dental services. Upon completion, students should be able to assess, plan, implement, and evaluate a community dental health program.

DEN 233 Professional Development 2 0 0 2
Prerequisites: Enrollment in the Dental Hygiene program
Corequisites: None

This course includes professional development, ethics, and jurisprudence with applications to practice management. Topics include conflict management, state laws, resumes, interviews, and legal liabilities as health care professionals. Upon completion, students should be able to demonstrate the ability to practice dental hygiene within established ethical standards and state laws.

DES 110 Architectural Graphics 0 6 0 2
Prerequisites: None
Corequisites: DES 125, DES 135 and DES 225

This course introduces basic drafting skills and techniques. Emphasis is placed on the use of drafting equipment, lettering, dimensioning, elevations, sections, construction details, and actual fixture sizes as related to interior design situations. Upon completion, students should be able to complete working drawings skillfully utilizing principles of drafting.

DES 111 Creative Problem Solving 2 0 0 2
Prerequisites: DES 110, DES 125, and DES 135
Corequisites: None

This course is designed to improve conceptual abilities as applied to problems involved with creating practical furniture designs. Emphasis is placed on the awareness of creative thinking techniques that are involved with producing a workable design in an innovative fashion. Upon completion, students should be able to apply creative thinking techniques to find innovative solutions to furniture problems.

DES 115 Color Theory 2 2 0 3
Prerequisites: DES 110, DES 125, DES 135, and DES 225
Corequisites: None

This course introduces the element of color as a major design factor. Emphasis is placed on the physical, psychological, and other implications of color in design. Upon completion, students should be able to demonstrate knowledge of color and its effects on the human environment.

Class Lab Clinical Credit

DES 120 CAD for Interior Design 0 6 0 2
Prerequisites: DES 110
Corequisites: None

This course introduces basic computer-aided design and drafting skills and techniques within interior design applications. Emphasis is placed on the most common computer commands used in architectural drafting and design to draw, edit, manipulate layers, and create reusable drawings. Upon completion, students should be able to use specific computer applications to complete drawings and plot/print.

DES 121 CAD for Int Des/Advanced 0 6 0 2
Prerequisites: DES 120
Corequisites: None

This course provides advanced techniques in drafting on the computer and the applications of computer-aided design for various projects. Emphasis is placed on specific exercises that integrate and reinforce the presentation topics into a scaled drawing. Upon completion, students should be able to draw, transfer, and plot assigned floorplans in an efficient and accurate manner using the computer equipment and software provided.

DES 125 Graphic Presentation I 0 6 0 2
Prerequisites: None
Corequisites: DES 110, DES 135 and DES 225

This course introduces graphic presentation techniques for communicating ideas. Topics include drawing, perspective drawing, and wet and dry media. Upon completion, students should be able to produce a pictorial presentation.

DES 126 Graphic Presentation II 0 6 0 2
Prerequisites: DES 125
Corequisites: None

This course provides a more in-depth study of graphic techniques. Topics include extensive wet and dry media experience and advanced measured perspective techniques. Upon completion, students should be able to illustrate interiors and other elements.

DES 135 Principles and Elements of Design I 2 4 0 4
Prerequisites: None
Corequisites: DES 110, DES 125 and DES 225

This course introduces the basic concepts and terminology of design as they relate to the design profession. Topics include line, pattern, space, mass, shape, texture, color, unity, variety, rhythm, emphasis, balance, proportion, scale, and function. Upon completion, students should be able to demonstrate an understanding of the principles covered through hands-on application.

Class Lab Clinical Credit

DES 136 Prin & Elem of Design II 2 4 0 4
Prerequisites: DES 135
Corequisites: None

This course provides continued study of design principles introduced in DES 135. Emphasis is placed on color theory, pattern, and texture as used in interiors as well as an investigation of the psychology of color. Upon completion, students should be able to originate a color program for interiors.

DES 210 Bus Prac/Interior Design 2 0 0 2
Prerequisites: None
Corequisites: None

This course introduces contemporary business practices for interior design. Topics include employment skills, business formations, professional associations, preparation of professional contracts and correspondence, and means of compensation. Upon completion, students should be able to describe the basic business formations and professional associations and compose effective letters and contracts.

DES 220 Principles of Interior Design 1 6 0 3
Prerequisites: DES 110, DES 125, DES 135 and DES 225
Corequisites: None

This course covers the basic principles of design as they relate specifically to interior design, furniture arrangement, wall composition, color, furnishings, collages, and illustration. Emphasis is placed on spatial relationships, craftsmanship, and visual presentation techniques. Upon completion, students should be able to arrange furnishings in rooms for various purposes, select furnishings and colors, and illustrate ideas graphically.

DES 225 Textiles/Fabrics 2 2 0 3
Prerequisites: None
Corequisites: DES 110, DES 125, and DES 135

This course includes the study of woven and non-woven fabrics for interiors. Topics include characteristics of fibers, yarns, weaving, felting, and knitting; processing of leather; and adorning and finishing of interior fabrics. Upon completion, students should be able to recognize and use correct terminology for upholstery, window treatments, and rugs/carpets with regard to flammability, performance, and durability.

DES 230 Residential Design I 1 6 0 3
Prerequisites: DES 125, DES 136, DES 220
Corequisites: None

This course includes principles of interior design for various residential design solutions. Emphasis is placed on visual presentation and selection of appropriate styles to meet specifications. Upon completion, students should be able to complete scaled floorplans, elevations, specifications, color schemes and fabrics, and finishes and furniture selection.

Class Lab Clinical Credit

DES 231 Residential Design II 1 6 0 3
Prerequisites: DES 230
Corequisites: None

This course provides advanced projects with a client profile that utilizes the skills developed in DES 230. Emphasis is placed on a total concept and the presentation of appropriate and creative design solutions. Upon completion, students should be able to complete a detailed floorplan, space planning, furniture plan, specifications, program schedules, finishes, and detailed window treatments.

DES 235 Products 2 2 0 3
Prerequisites: DES 110, DES 135
Corequisites: None

This course provides an overview of interior finishing materials and the selection of quality upholstery and case goods. Topics include hard and resilient floor coverings; wall coverings and finishes; ceilings, moldings, and furniture construction techniques; and other interior components. Upon completion, students should be able to recognize and use correct terminology, select appropriate materials for interior surfaces, and choose furniture based on sound construction.

DES 240 Commercial/Contract Design I 1 6 0 3
Prerequisites: DES 220
Corequisites: None

This course introduces commercial/contract design including retail, office, institutional, restaurant, and hospitality design. Emphasis is placed on ADA requirements, building codes and standards, space planning, and selection of appropriate materials for non-residential interiors. Upon completion, students should be able to analyze and design introductory non-residential projects using graphic presentation concepts.

DES 241 Commercial/Contract Design II 1 6 0 3
Prerequisites: DES 240
Corequisites: None

This course provides an in-depth study of non-residential design exploring more comprehensive design solutions such as health care facilities, furniture gallery design, and large office complexes. Emphasis is placed on design of commercial interiors and suitability of materials to meet ADA requirements, codes, and standards. Upon completion, students should be able to design non-residential spaces meeting ADA requirements and select furniture, materials, fabrics, and accessories meeting codes and flammability standards.

DES 255 History/Int & Furn I 3 0 0 3
Prerequisites: None
Corequisites: None

This course covers interiors, exteriors, and furnishings from ancient Egypt through French Neo-Classicism. Emphasis is placed on vocabulary, chronology, and style recognition. Upon completion, students should be able to classify and date interior and exterior architecture and furnishings and be conversant with pertinent vocabulary.

Class Lab Clinical Credit

DES 256 History/Int and Furn II 3 0 0 3
Prerequisites: None
Corequisites: None

This course covers English, American, and various styles of nineteenth-and twentieth-century furniture, interiors, and exteriors. Emphasis is placed on style recognition, vocabulary, and chronology. Upon completion, students should be able to recognize and describe major styles of furniture, interiors, and exteriors.

DES 260 Materials Calc/Int Design 3 0 0 3
Prerequisites: DES 225 and DES 235
Corequisites: None

This course includes the study of calculations for square footage, square yardage, and cut-length yardage. Emphasis is placed on the development of workable formulas, worksheets, and order forms that can be used in an interior design business. Upon completion, students should be able to produce electronic worksheets and order forms for calculating window treatments, wall coverings, and floor coverings for a given space.

DES 265 Lighting/Interior Design 2 0 0 2
Prerequisites: None
Corequisites: None

This course introduces theory and contemporary concepts in lighting. Topics include light levels, light quality, lamps and fixtures, and their use in interior design. Upon completion, students should be able to determine light levels and requirements based on national standards and select luminaries for specific light qualities.

DES 285 Capstone/Interior Design 2 6 0 4
Prerequisites: DES 210, DES 230, and DES 240
Corequisites: None

This course provides additional studio time to investigate areas of special interest, upgrade weaknesses, and/or capitalize on strengths. Topics include a broad range of options, both residential and non-residential, combining individual research and instructional guidance. Upon completion, students should be able to complete the graphics, client folder, and all schedules for a professional project.

DFT 100 Marine Drafting 1 2 0 2
Prerequisites: None
Corequisites: BTB 101

This course introduces blueprint reading, sketching, marine drafting equipment, and the lines plan. Topics include utilization of mechanical drafting tools, blueprint lines, pictorial sketching, blueprint reading, and manually drawing plans for boats from tables of offsets. Upon completion, students should be able to create pictorial sketches, make materials lists from blueprints, expand transoms, and demonstrate an understanding of lines plans.

Class Lab Clinical Credit

DFT 111 Technical Drafting I 1 3 0 2
Prerequisites: A grade of "C" or better in MAT 060 or minimum Accuplacer score of 55 on Arithmetic
Corequisites: DFT 111A, DFT 151

This course introduces basic drafting skills, equipment, and applications. Topics include sketching, measurements, lettering, dimensioning, geometric construction, orthographic projections and pictorials drawings, sections, and auxiliary views. Upon completion, students should be able to understand and apply basic drawing principles and practices.

DFT 111A Technical Drafting I Lab 0 3 0 1
Prerequisites: None
Corequisites: DFT 111

This course provides a laboratory setting to enhance basic drafting skills. Emphasis is placed on practical experiences that enhance the topics presented in DFT 111. Upon completion, students should be able to apply the laboratory experiences to the concepts presented in DFT 111.

DFT 112 Technical Drafting II 1 3 0 2
Prerequisites: DFT 111, DFT 151
Corequisites: DFT 112A

This course provides for advanced drafting practices and procedures. Topics include detailed working drawings, hardware, fits and tolerances, assembly and sub-assembly, geometric dimensioning and tolerancing, intersections, and developments. Upon completion, students should be able to produce detailed working drawings.

DFT 112A Technical Drafting II Lab 0 3 0 1
Prerequisites: DFT 111, DFT 151
Corequisites: DFT 112

This course provides a laboratory setting to enhance advance drafting skills. Emphasis is placed on practical experiences that enhance the topics presented in DFT 112. Upon completion, students should be able to apply the laboratory experiences to the concepts presented in DFT 112.

DFT 151 CAD I 2 3 0 3
Prerequisites: A grade of "C" or better in MAT 060 or minimum Accuplacer score of 55 on Arithmetic
Corequisites: None

This course introduces CAD software as a drawing tool. Topics include drawing, editing, file management, and plotting. Upon completion, students should be able to produce and plot a CAD drawing.

DFT 152 CAD II 2 3 0 3
Prerequisites: DFT 151
Corequisites: None

This course introduces extended CAD applications. Emphasis is placed upon intermediate applications of CAD skills. Upon completion, students should be able to use extended CAD applications to generate and manage drawings.

DFT 154 Intro Solid Model/Rendering 2 3 0 3
Prerequisites: DFT 111
Corequisites: None

This course covers basic principles of three-dimensional CAD wireframe and surface models. Topics include user coordinate systems, three-dimensional viewpoints, three-dimensional wireframes, and surface components and viewpoints. Upon completion, students should be able to create and manipulate three-dimensional wireframe and surface models.

DFT 211 Gears, Cams, & Pulleys 1 3 0 2
Prerequisites: DFT 111 and MAT 121, MAT 161, MAT 171, or MAT 175
Corequisites: None

This course introduces the principles of motion transfer. Topics include gears, cams, pulleys, and drive components. Upon completion, students should be able to solve problems and produce drawings dealing with ratios.

DFT 221 Electrical Drafting 2 6 0 4
Prerequisites: DFT 111 and DFT 151
Corequisites: None

This course covers the practices used for making electrical drawings. Emphasis is placed on symbol identification and various types of electrical diagrams. Upon completion, students should be able to properly utilize electrical symbols in the construction of various electrical diagrams.

DFT 231 Jig and Fixture Design 1 2 0 2
Prerequisites: DFT 112 and DFT 154
Corequisites: None

This course introduces the study of jigs and fixtures. Topics include different types, components, and uses of jigs and fixtures. Upon completion, students should be able to analyze, design, and complete a set of working drawings for a jig or fixture.

DFT 254 Interm Solid Model/Render 2 3 0 3
Prerequisites: DFT 154
Corequisites: None

This course presents a continuation of basic three-dimensional solid modeling and design software. Topics include advanced study of parametric design, creation, editing, rendering and analysis of solid model assemblies, and multiview drawing generation. Upon completion, students should be able to use parametric design techniques to create and analyze the engineering design properties of a model assembly.

DRA 111 Theatre Appreciation 3 0 0 3
Prerequisites: None
Corequisites: None

This course provides a study of the art, craft, and business of the theatre. Emphasis is placed on the audience's appreciation of the work of the playwright, director, actor, designer, producer, and critic. Upon completion, students should be able to demonstrate a vocabulary of theatre terms and to recognize the contributions of various theatre artists. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in humanities/fine arts. This course may meet the SACS humanities/fine arts requirement for AA, AS, AFA, AGE, AAS, DIP, or CER degree programs.*

DRA 120 Voice for Performance 3 0 0 3
Prerequisites: None
Corequisites: None

This course provides guided practice in the proper production of speech for the theatre. Emphasis is placed on improving speech, including breathing, articulation, pronunciation, and other vocal variables. Upon completion, students should be able to demonstrate effective theatrical speech. *This course has been approved to satisfy the Comprehensive Articulation Agreement pre-major and/or elective course requirement. This course may meet the SACS humanities/fine arts requirement for AGE, AAS, DIP, or CER degree programs.*

DRA 122 Oral Interpretation 3 0 0 3
Prerequisites: Proficiency in Reading - A grade of "C" or better in ENG 095 or RED 090 OR minimum Accuplacer score of 80 on Reading
Corequisites: None

This course introduces the dramatistic study of literature through performance. Emphasis is placed on analysis and performance of poetry, drama, and prose fiction. Upon completion, students should be able to embody and discuss critically the speakers inherent in literature. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in humanities/fine arts. This course may meet the SACS humanities/fine arts requirement for AA, AS, AFA, AGE, AAS, DIP, or CER degree programs.*

DRA 126 Storytelling 3 0 0 3
Prerequisites: None
Corequisites: None

This course introduces the art of storytelling and the oral traditions of folk literature. Topics include the history of storytelling, its value and purpose, techniques of the storyteller, and methods of collecting verbal art. Upon completion, students should be able to present and discuss critically stories from the world's repertory of traditional lore. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in humanities/fine arts. This course may meet the SACS humanities/fine arts requirement for AA, AS, AFA, AGE, AAS, DIP, or CER programs.*

DRA 128 Children's Theatre 3 0 0 3
Prerequisites: None
Corequisites: None

This course introduces the philosophy and practice involved in producing plays for young audiences. Topics include the selection of age-appropriate scripts and the special demands placed on directors, actors, designers, and educators in meeting the needs of young audiences. Upon completion, students should be able to present and critically discuss productions for children. *This course has been approved to satisfy the Com-*

prehensive Articulation Agreement pre-major and/or elective course requirement. This course may meet the SACS humanities/fine arts requirement for AGE, AAS, DIP, or CER programs.

DRA 130 Acting I 0 6 0 3
Prerequisites: None
Corequisites: None

This course provides an applied study of the actor's craft. Topics include role analysis, training the voice, and body concentration, discipline, and self-evaluation. Upon completion, students should be able to explore their creativity in an acting ensemble. *This course has been approved to satisfy the Comprehensive Articulation Agreement pre-major and/or elective course requirement. This course may meet the SACS humanities/fine arts requirement for AGE, AAS, DIP, or CER programs.*

DRA 131 Acting II 0 6 0 3
Prerequisites: DRA 130
Corequisites: None

This course provides additional hands-on practice in the actor's craft. Emphasis is placed on further analysis, characterization, growth, and training for acting competence. Upon completion, students should be able to explore their creativity in an acting ensemble. *This course has been approved to satisfy the Comprehensive Articulation Agreement pre-major and/or elective course requirement.*

DRA 135 Acting for the Camera I 1 4 0 3
Prerequisites: None
Corequisites: None

This course provides an applied study of the camera actor's craft. Topics include commercial, dramatic, and print performance styles. Upon completion, students should be able to explore their creativity in on-camera performance. *This course has been approved to satisfy the Comprehensive Articulation Agreement pre-major and/or elective course requirement.*

DRA 136 Acting for the Camera II 1 4 0 3
Prerequisites: DRA 135
Corequisites: None

This course provides additional hands-on study of the camera actor's craft. Emphasis is placed on more advanced camera acting theories, auditioning techniques, daytime drama, feature film, and print advertisement performance styles. Upon completion, students should be able to explore their creativity in on-camera performance. *This course has been approved to satisfy the Comprehensive Articulation Agreement pre-major and/or elective course requirement.*

DRA 140 Stagecraft I 0 6 0 3
Prerequisites: None
Corequisites: None

This course introduces the theory and basic construction of stage scenery and properties. Topics include stage carpentry, scene painting, stage electrics, properties, and backstage organization. Upon completion, students should be able to pursue vocational and avocational roles in technical theatre. *This course has been approved to satisfy the Comprehensive Articulation Agreement pre-major and/or elective course requirement.*

DRA 141 Stagecraft II 0 6 0 3
Prerequisites: DRA 140
Corequisites: None

This course provides additional hands-on practice in the elements of stagecraft. Emphasis is placed on the design and implementation of the arts and crafts of technical theatre. Upon completion, students should be able to pursue vocational or avocational roles in technical theatre. *This course has been approved to satisfy the Comprehensive Articulation Agreement pre-major and/or elective course requirement.*

DRA 142 Costuming 2 2 0 3
Prerequisites: None
Corequisites: None

This course covers the techniques of costume construction and crafts processes. Emphasis is placed on learning costuming techniques, using equipment and materials, and finishing production-appropriate costumes. Upon completion, students should be able to demonstrate an understanding of pattern drafting, construction techniques, and costume fitting procedures. *This course has been approved to satisfy the Comprehensive Articulation Agreement pre-major and/or elective course requirement.*

DRA 145 Stage Make-up 1 2 0 2
Prerequisites: None
Corequisites: None

This course covers the research, design, selection of materials, and application of stage make-up, prosthetics, wigs, and hairpieces. Emphasis is placed on the development of techniques, style, and presentation of the finished make-up. Upon completion, students should be able to create and apply make-up, prosthetics, and hairpieces. *This course has been approved to satisfy the Comprehensive Articulation Agreement pre-major and/or elective course requirement.*

DRA 147 Sound Technology 3 0 0 3
Prerequisites: DRA 140
Corequisites: None

This course provides an introduction to the analysis of sound equipment technology and its operation and uses on stage. Emphasis is placed on assessing sound needs and on installing, running, and maintaining equipment. Upon completion, students should be able to demonstrate skills as a sound environment designer and technician. *This course has been approved to satisfy the Comprehensive Articulation Agreement pre-major and/or elective course requirement.*

DRA 170 Play Production I 0 9 0 3
Prerequisites: None
Corequisites: None

This course provides an applied laboratory study of the processes involved in the production of a play. Topics include fundamental practices, principles, and techniques associated with producing plays of various periods and styles. Upon completion, students should be able to participate in an assigned position with a college theatre production. *This course has been approved to satisfy the Comprehensive Articulation Agreement pre-major and/or elective course requirement.*

DRA 171 Play Production II 0 9 0 3
Prerequisites: DRA 170
Corequisites: None

This course provides an applied laboratory study of the processes involved in the production of a play. Topics include fundamental practices, principles, and techniques associated with producing plays of various periods and styles. Upon completion, students should be able to participate in an assigned position with a college theatre production. *This course has been approved to satisfy the Comprehensive Articulation Agreement pre-major and/or elective course requirement.*

DRA 175 Teleplay Production I 0 9 0 3
Prerequisites: None
Corequisites: None

This course provides an applied laboratory study of the processes involved in production of a dramatic television program. Emphasis is placed on the fundamental practices, principles, and techniques associated with producing dramatic television programming. Upon completion, students should be able to participate in an assigned position with a college dramatic television production. *This course has been approved to satisfy the Comprehensive Articulation Agreement pre-major and/or elective course requirement.*

DRA 176 Teleplay Production II 0 9 0 3
Prerequisites: DRA 175
Corequisites: None

This course provides an applied laboratory study of the processes involved in production of a sit-com television program. Emphasis is placed on the fundamental practices, principles, and techniques associated with producing sit-com television programming. Upon completion, students should be able to participate in an assigned position with a college sit-com television production. *This course has been approved to satisfy the Comprehensive Articulation Agreement pre-major and/or elective course requirement.*

DRA 211 Theatre History I 3 0 0 3
Prerequisites: Proficiency in Reading - A grade of “C” or better in ENG 095 or RED 090 OR minimum Accuplacer score of 80 on Reading
Corequisites: None

This course covers the development of theatre from its origin to the closing of the British theatre in 1642. Topics include the history, aesthetics, and representative dramatic literature of the period. Upon completion, students should be able to trace the evolution of theatre and recognize the styles and types of world drama. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in humanities/fine arts. This course may meet the SACS humanities/fine arts requirement for AA, AS, AFA, AGE, AAS, DIP, or CER programs.*

DRA 212 Theatre History II 3 0 0 3
Prerequisites: Proficiency in Reading - A grade of “C” or better in ENG 095 or RED 090 OR minimum Accuplacer score of 80 on Reading
Corequisites: None

This course covers the development of theatre from 1660 through the diverse influences which shaped the theatre of the twentieth century. Topics include the history, aesthetics, and representative dramatic literature of the period. Upon completion, students should be able to trace the evolution of theatre and recognize the styles and types of world drama. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in humanities/fine arts. This course may meet the SACS humanities/fine arts requirement for AA, AS, AFA, AGE, AAS, DIP, or CER programs.*

DRA 230 Acting III 0 6 0 3
Prerequisites: DRA 131
Corequisites: None

This course is designed to include an exploration of acting styles. Emphasis is placed on putting the actor’s skills to work in a major theatrical form-musical, comedy, or drama. Upon completion, students should be able to explore their creativity in an acting ensemble. *This course has been approved to satisfy the Comprehensive Articulation Agreement pre-major and/or elective course requirement.*

DRA 231 Acting IV 0 6 0 3
Prerequisites: DRA 230
Corequisites: None

This course is designed to include further exploration of acting styles. Emphasis is placed on putting the actor’s skills to work in a major theatrical form-musical, comedy, or drama. Upon completion, students should be able to explore their creativity in an acting ensemble. *This course has been approved to satisfy the Comprehensive Articulation Agreement pre-major and/or elective course requirement.*

DRA 240 Lighting for the Theatre 2 2 0 3
Prerequisites: None
Corequisites: None

This course is an applied study of theatre lighting and is designed to train theatre technicians. Emphasis is placed on lighting technology including the mechanics of lighting and light control equipment by practical work with lighting equipment. Upon completion, students should be able to demonstrate competence with lighting equipment. *This course has been approved to satisfy the Comprehensive Articulation Agreement pre-major and/or elective course requirement.*

Class Lab Clinical Credit

DRA 260 Directing 0 6 0 3
Prerequisites: DRA 130
Corequisites: DRA 140

This course provides an analysis and application of the techniques of theatrical directing. Topics include script selection, analysis, casting, rehearsal planning, blocking, stage business, tempo, and technical considerations. Upon completion, students should be able to plan, execute, and critically discuss a student-directed production. *This course has been approved to satisfy the Comprehensive Articulation Agreement pre-major and/or elective course requirement.*

DRA 270 Play Production III 0 9 0 3
Prerequisites: DRA 171
Corequisites: None

This course provides an applied laboratory study of the processes involved in the production of a play. Topics include fundamental practices, principles, and techniques associated with producing plays of various periods and styles. Upon completion, students should be able to participate in an assigned position with a college theatre production. *This course has been approved to satisfy the Comprehensive Articulation Agreement pre-major and/or elective course requirement.*

DRA 271 Play Production IV 0 9 0 3
Prerequisites: DRA 270
Corequisites: None

This course provides an applied laboratory study of the processes involved in the production of a play. Topics include fundamental practices, principles, and techniques associated with producing plays of various periods and styles. Upon completion, students should be able to participate in an assigned position with a college theatre production. *This course has been approved to satisfy the Comprehensive Articulation Agreement pre-major and/or elective course requirement.*

DRA 275 Teleplay Production III 0 9 0 3
Prerequisites: DRA 176
Corequisites: None

This course provides an applied laboratory study of the processes involved in production of an action television program. Emphasis is placed on the fundamental practices, principles, and techniques associated with producing action television programming. Upon completion, students should be able to participate in an assigned position with a college action television production. *This course has been approved to satisfy the Comprehensive Articulation Agreement pre-major and/or elective course requirement.*

DRA 276 Teleplay Production IV 0 9 0 3
Prerequisites: DRA 176
Corequisites: None

This course provides an applied laboratory study of the processes involved in production of a variety television program. Emphasis is placed on the fundamental practices, principles, and techniques associated with producing variety television programming. Upon completion, students should be able to participate in an assigned position with a college variety television production. *This course has been approved to satisfy the Comprehensive Articulation Agreement pre-major and/or elective course requirement.*

Class Lab Clinical Credit

ECO 151 Survey of Economics 3 0 0 3
Prerequisites: Proficiency in Reading - A grade of “C” or better in ENG 095 or RED 090 OR minimum Accuplacer score of 80 on Reading
Corequisites: None

This course introduces basic concepts of micro- and macroeconomics. Topics include supply and demand, optimizing economic behavior, prices and wages, money, interest rates, banking system, unemployment, inflation, taxes, government spending, and international trade. Upon completion, students should be able to explain alternative solutions for economic problems faced by private and government sectors. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in social/behavioral sciences. This course may meet the SACS social/behavioral science requirement for AA, AS, AFA, AGE, AAS, DIP, or CER programs.*

ECO 251 Prin of Microeconomics 3 0 0 3
Prerequisites: Proficiency in Reading - A grade of “C” or better in ENG 095 or RED 090 OR minimum Accuplacer score of 80 on Reading
Corequisites: None

This course introduces economic analysis of individual, business, and industry choices in the market economy. Topics include the price mechanism, supply and demand, optimizing economic behavior, costs and revenue, market structures, factor markets, income distribution, market failure, and government intervention. Upon completion, students should be able to identify and evaluate consumer and business alternatives in order to efficiently achieve economic objectives.*This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in social/behavioral sciences. This course may meet the SACS social/behavioral science requirement for AA, AS, AFA, AGE, AAS, DIP, or CER programs.*

ECO 252 Prin of Macroeconomics 3 0 0 3
Prerequisites: Proficiency in Reading - A grade of “C” or better in ENG 095 or RED 090 OR minimum Accuplacer score of 80 on Reading
Corequisites: None

This course introduces economic analysis of aggregate employment, income, and prices. Topics include major schools of economic thought; aggregate supply and demand; economic measures, fluctuations, and growth; money and banking; stabilization techniques; and international trade. Upon completion, students should be able to evaluate national economic components, conditions, and alternatives for achieving socioeconomic goals. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in social/behavioral sciences. This course may meet the SACS social/behavioral science requirement for AA, AS, AFA, AGE, AAS, DIP, or CER programs.*

Class Lab Clinical Credit

EDU 114 Intro to Family Childcare 3 0 0 3

Prerequisites: Proficiency in Reading and Writing and Arithmetic Skills -
a. A grade of "C" or better in ENG 085 or grade of "C" or better in ENG 080 and RED 080 or minimum Accuplacer scores of 57 on Reading and 66 on Writing
b. A grade of "C" or better in MAT 060 or minimum Accuplacer score of 55 on Arithmetic
Corequisites: None

This course introduces the student to family child care home environments with emphasis on standards and developmentally effective approaches for supporting diverse children and families. Topics include standards for quality, curriculum for multiple age groups, authentic assessment methods, business practices, building positive family and community partnerships, and professionalism. Upon completion, students should be able to design a family child care handbook that reflects a healthy, respectful, supportive, and stimulating learning environment.

EDU 119 Intro to Early Child Educ 4 0 0 4

Prerequisites: None
Corequisites: None

This course covers the foundations of the education profession, the diverse educational settings for young children, professionalism and planning developmentally appropriate programs for all children. Topics include historical foundations, program types, career options, professionalism and creating inclusive environments and curriculum responsive to the needs of all children and families. Upon completion, students should be able to design career plans and develop schedules, environments and activity plans appropriate for all children.

EDU 131 Child, Family, & Commun 3 0 0 3

Prerequisites: Proficiency in Reading and Writing - A grade of "C" or better in ENG 085 or grade of "C" or better in ENG 080 and RED 080 or minimum Accuplacer scores of 57 on Reading and 66 on Writing
Corequisites: None

This course covers the development of partnerships between culturally and linguistically diverse families, children, schools and communities. Emphasis is placed on developing skills and identifying benefits for establishing, supporting, and maintaining respectful, collaborative relationships between diverse families, programs/schools, and community agencies/resources. Upon completion, students should be able to explain appropriate relationships between families, educators, and professionals that enhance development and educational experiences of all children.

Class Lab Clinical Credit

EDU 144 Child Development I 3 0 0 3

Prerequisites: a. Proficiency in Reading and Writing - A grade of "C" or better in ENG 085 or grade of "C" or better in ENG 080 and RED 080 or minimum Accuplacer scores of 57 on Reading and 66 on Writing
b. PSY 150
Corequisites: None

This course includes the theories of child development, needs, milestones, and factors that influence development, from conception through approximately 36 months. Emphasis is placed on developmental sequences in physical/motor, emotional/social, cognitive, and language domains and the impact of multiple influences on development and learning. Upon completion, students should be able to compare/contrast typical/atypical developmental characteristics, explain environmental factors that impact development, and identify strategies for enhancing development.

EDU 145 Child Development II 3 0 0 3

Prerequisites: a. Proficiency in Reading and Writing - A grade of "C" or better in ENG 085 or grade of "C" or better in ENG 080 and RED 080 or minimum Accuplacer scores of 57 on Reading and 66 on Writing
b. PSY 150
Corequisites: None

This course includes the theories of child development, needs, milestones, and factors that influence development, from preschool through middle childhood. Emphasis is placed on developmental sequences in physical/motor, emotional/social, cognitive, and language domains and the impact of multiple influences on development and learning. Upon completion, students should be able to compare/contrast typical/atypical developmental characteristics, explain environmental factors that impact development, and identify strategies for enhancing development.

EDU 146 Child Guidance 3 0 0 3

Prerequisites: a. Proficiency in Reading and Writing - A grade of "C" or better in ENG 085 or grade of "C" or better in ENG 080 and RED 080 or minimum Accuplacer scores of 57 on Reading and 66 on Writing
b. PSY 150
Corequisites: None

This course introduces principles and practical techniques including the design of learning environments for providing developmentally appropriate guidance for all children, including those at risk. Emphasis is placed on observation skills, cultural influences, underlying causes of behavior, appropriate expectations, development of self control and the role of communication and guidance. Upon completion, students should be able to demonstrate direct/indirect strategies for preventing problem behaviors, teaching appropriate/acceptable behaviors, negotiation, setting limits and recognizing at risk behaviors.

Class Lab Clinical Credit

EDU 151 Creative Activities 3 0 0 3

Prerequisites: Proficiency in Reading and Writing - A grade of “C” or better in ENG 085 or grade of “C” or better in ENG 080 and RED 080 or minimum Accuplacer scores of 57 on Reading and 66 on Writing

Corequisites: EDU151A

This course covers planning, creation and adaptation of developmentally supportive learning environments with attention to curriculum, interactions, teaching practices and learning materials. Emphasis is placed on creating and adapting integrated, meaningful, challenging and engaging developmentally supportive learning experiences in art, music, movement and dramatics for all children. Upon completion, students should be able to create, adapt, implement and evaluate developmentally supportive learning materials, experiences and environments.

EDU 151A Creative Activities Lab 0 2 0 1

Prerequisites: Proficiency in Reading and Writing - A grade of “C” or better in ENG 085 or grade of “C” or better in ENG 080 and RED 080 or minimum Accuplacer scores of 57 on Reading and 66 on Writing

Corequisites: EDU151

This course provides a laboratory component to complement EDU 151. Emphasis is placed on practical experiences that enhance concepts introduced in the classroom. Upon completion, students should be able to demonstrate a practical understanding of the development and implementation of appropriate creative activities.

EDU 153 Health, Safety & Nutrit 3 0 0 3

Prerequisites: Proficiency in Reading and Writing - A grade of “C” or better in ENG 085 or grade of “C” or better in ENG 080 and RED 080 or minimum Accuplacer scores of 57 on Reading and 66 on Writing

Corequisites: None

This course covers promoting and maintaining the health and well-being of all children. Topics include health and nutritional guidelines, common childhood illnesses, maintaining safe and healthy learning environments, recognition and reporting of abuse and neglect and state regulations. Upon completion, students should be able to demonstrate knowledge of health, safety, and nutritional needs, safe learning environments, and adhere to state regulations.

EDU 188 Issues in Early Child Ed 2 0 0 2

Prerequisites: Proficiency in Reading and Writing - A grade of “C” or better in ENG 085 or grade of “C” or better in ENG 080 and RED 080 or minimum Accuplacer scores of 57 on Reading and 66 on Writing

Corequisites: None

This course covers topics and issues in early childhood education. Emphasis is placed on current advocacy issues, emerging technology, professional growth experiences, and other related topics. Upon completion, students should be able to list, discuss, and explain current topics and issues in early childhood education.

Class Lab Clinical Credit

EDU 216 Foundations of Education 4 0 0 4

Prerequisites: Proficiency in Reading and Writing - A grade of “C” or better in ENG 095 or grade of “C” or better in ENG 090 and RED 090 or minimum Accuplacer scores of 80 on Reading and 86 on Writing

Corequisites: ENG 111

This course introduces the American educational system and the teaching profession. Topics include historical and philosophical foundations of education, contemporary educational, structural, legal, and financial issues, and experiences in public school classrooms. Upon completion, students should be able to relate classroom observations to the roles of teachers and schools and the process of teacher education. *This course has been approved to satisfy the Comprehensive Articulation Agreement for transferability as a premajor and/or elective course requirement at select institutions only.*

EDU 221 Children with Exceptional 3 0 0 3

Prerequisites: a. Proficiency in Reading and Writing - A grade of “C” or better in ENG 095 or grade of “C” or better in ENG 090 and RED 090 or minimum Accuplacer scores of 80 on Reading and 86 on Writing
b. EDU 144 and EDU 145 or PSY 244 and PSY 245

Corequisites: None

This course introduces children with exceptionalities, their families, support services, inclusive/diverse settings, and educational/family plans based on the foundations of child development. Emphasis is placed on the characteristics of exceptionalities, observation and assessment of children, strategies for adapting the learning environment, and identification of community resources. Upon completion, students should be able to recognize diverse abilities, describe the referral process, and depict collaboration with families/professionals to plan/implement, and promote best practice. *This course has been approved to satisfy the Comprehensive Articulation Agreement for transferability as a premajor and/or elective course requirement at select institutions only.*

EDU 234 Infants, Toddlers, & Twos 3 0 0 3

Prerequisites: a. Proficiency in Reading and Writing - A grade of “C” or better in ENG 095 or grade of “C” or better in ENG 090 and RED 090 or minimum Accuplacer scores of 80 on Reading and 86 on Writing
b. EDU 119 and EDU 144

Corequisites: EDU 234A

This course covers the unique needs and rapid changes that occur in the first three years of life and the inter-related factors that influence development. Emphasis is placed on recognizing and supporting developmental milestones through purposeful strategies, responsive care routines and identifying elements of quality, inclusive early care and education. Upon completion, students should be able to demonstrate respectful relation-

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ships that provide a foundation for healthy infant/toddler/twos development, plan/select activities/materials, and partner with diverse families.

EDU 234A Infants/Toddlers/Twos Lab 0 2 0 1

Prerequisites: a. Proficiency in Reading and Writing - A grade of "C" or better in ENG 095 or grade of "C" or better in ENG 090 and RED 090 or minimum Accuplacer scores of 80 on Reading and 86 on Writing
b. EDU 119 and EDU 144

Corequisites: EDU 234

This course focuses on practical applications that support the healthy development of very young children by applying principles of quality inclusive early care and education. Emphasis is placed on recognizing the interrelated factors that impact children's development through planning, evaluating and adapting quality environments, including activities and adult/child interactions. Upon completion, students should be able to demonstrate the ability to engage in respectful, responsive care that meets the unique needs of individual children/families.

EDU 235 School-Age Dev & Program 3 0 0 3

Prerequisites: Proficiency in Reading and Writing - A grade of "C" or better in ENG 095 or grade of "C" or better in ENG 090 and RED 090 or minimum Accuplacer scores of 80 on Reading and 86 on Writing

Corequisites: None

This course includes developmentally appropriate practices in group settings for school-age children. Emphasis is placed on principles of development, environmental planning, and positive guidance techniques. Upon completion, students should be able to discuss developmental principles for all children ages five to twelve and plan and implement developmentally-appropriate activities.

EDU 251 Exploration Activities 3 0 0 3

Prerequisites: Proficiency in Reading and Writing - A grade of "C" or better in ENG 095 or grade of "C" or better in ENG 090 and RED 090 or minimum Accuplacer scores of 80 on Reading and 86 on Writing

Corequisites: EDU 251A

This course covers discovery experiences in science, math, and social studies. Emphasis is placed on developing concepts for each area and encouraging young children to explore, discover, and construct concepts. Upon completion, students should be able to discuss the discovery approach to teaching, explain major concepts in each area, and plan appropriate experiences for children.

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EDU 251A Exploration Act Lab 0 2 0 1

Prerequisites: Proficiency in Reading and Writing - A grade of "C" or better in ENG 095 or grade of "C" or better in ENG 090 and RED 090 or minimum Accuplacer scores of 80 on Reading and 86 on Writing

Corequisites: EDU 251

This course provides a laboratory component to complement EDU 251. Emphasis is placed on practical experiences that enhance concepts introduced in the classroom. Upon completion, students should be able to demonstrate a practical understanding of the development and implementation of appropriate science, math, and social studies activities for children.

EDU 259 Curriculum Planning 3 0 0 3

Prerequisites: a. Proficiency in Reading and Writing - A grade of "C" or better in ENG 095 or grade of "C" or better in ENG 090 and RED 090 or minimum Accuplacer scores of 80 on Reading and 86 on Writing
b. EDU 119 and EDU 151 and EDU 151A or EDU 251 and EDU 251A or EDU 280 and EDU 280A

Corequisites: None

This course is designed to focus on curriculum planning for three to five year olds. Topics include philosophy, curriculum models, indoor and outdoor environments, scheduling, authentic assessment, and planning developmentally appropriate experiences. Upon completion, students should be able to evaluate children's development, critique curriculum, plan for individual and group needs, and assess and create quality environments.

EDU 261 Early Childhood Admin I 3 0 0 3

Prerequisites: Proficiency in Reading and Writing - A grade of "C" or better in ENG 095 or grade of "C" or better in ENG 090 and RED 090 or minimum Accuplacer scores of 80 on Reading and 86 on Writing

Corequisites: EDU 119

This course introduces principles of basic programming and staffing, budgeting/financial management and marketing, and rules and regulations of diverse early childhood programs. Topics include program structure and philosophy, standards of NC child care programs, finance, funding resources, and staff and organizational management. Upon completion, students should be able to develop components of program/personnel handbooks, a program budget, and demonstrate knowledge of fundamental marketing strategies and NC standards.

Class Lab Clinical Credit

EDU 262 Early Childhood Admin II 3 0 0 3

Prerequisites: a. Proficiency in Reading and Writing - A grade of "C" or better in ENG 095 or grade of "C" or better in ENG 090 and RED 090 or minimum Accuplacer scores of 80 on Reading and 86 on Writing
b. EDU261

Corequisite: EDU 119

This course focuses on advocacy/leadership, public relations/community outreach and program quality/evaluation for diverse early childhood programs. Topics include program evaluation/accreditation, involvement in early childhood professional organizations, leadership/mentoring, family, volunteer and community involvement and early childhood advocacy. Upon completion, students should be able to define and evaluate all components of early childhood programs, develop strategies for advocacy and integrate community into programs.

EDU 263 School-Age Program Admin 2 0 0 2

Prerequisites: Proficiency in Reading and Writing - A grade of "C" or better in ENG 095 or grade of "C" or better in ENG 090 and RED 090 or minimum Accuplacer scores of 80 on Reading and 86 on Writing

Corequisites: None

This course introduces the methods and procedures for development and administration of school-age programs in the public or proprietary setting. Emphasis is placed on the construction and organization of the physical environment. Upon completion, students should be able to plan, develop and administer a quality school-age program.

EDU 271 Educational Technology 2 2 0 3

Prerequisites: a. Proficiency in Reading and Writing - A grade of "C" or better in ENG 095 or grade of "C" or better in ENG 090 and RED 090 or minimum Accuplacer scores of 80 on Reading and 86 on Writing
b. CIS 110 or CIS 111

Corequisites: None

This course introduces the use of technology to enhance teaching and learning in all educational settings. Topics include technology concepts, instructional strategies, materials and adaptive technology for children with exceptionalities, facilitation of assessment/evaluation, and ethical issues surrounding the use of technology. Upon completion, students should be able to apply technology enhanced instructional strategies, use a variety of technology resources and demonstrate appropriate technology skills in educational environments.

Class Lab Clinical Credit

EDU 280 Language & Literacy Exp 3 0 0 3

Prerequisites: Proficiency in Reading and Writing - A grade of "C" or better in ENG 095 or grade of "C" or better in ENG 090 and RED 090 or minimum Accuplacer scores of 80 on Reading and 86 on Writing

Corequisites: EDU 280A

This course is designed to expand students' understanding of children's language and literacy development and provides strategies for enhancing language/literacy experiences in an enriched environment. Topics include selection of diverse literature and interactive media, the integration of literacy concepts throughout the curriculum, appropriate observations/assessments and inclusive practices. Upon completion, students should be able to select, plan, implement and evaluate developmentally appropriate and diverse language/literacy experiences.

EDU 280A Literacy Exp Lab 0 2 0 1

Prerequisites: Proficiency in Reading and Writing - A grade of "C" or better in ENG 095 or grade of "C" or better in ENG 090 and RED 090 or minimum Accuplacer scores of 80 on Reading and 86 on Writing

Corequisites: EDU 280

This course provides a laboratory component to complement EDU 280. Emphasis is placed on practical experiences that enhance concepts introduced in the classroom. Upon completion, students should be able to demonstrate a practical understanding of the development and implementation of appropriate early literacy experiences.

EDU 284 Early Child Capstone Prac 1 9 0 4

Prerequisites: a. Proficiency in Reading and Writing - A grade of "C" or better in ENG 095 or grade of "C" or better in ENG 090 and RED 090 or minimum Accuplacer scores of 80 on Reading and 86 on Writing
b. EDU 119, EDU 146, EDU 151 and EDU 151A
c. EDU 144 and EDU 145 or (PSY 244 and PSY 245)

Corequisites: None

This course is designed to allow students to apply skills in a three star (minimum) or NAEYC accredited or equivalent, quality early childhood environment. Emphasis is placed on designing, implementing and evaluating developmentally appropriate activities and environments for all children; supporting/involving families; and modeling reflective and professional practices. Upon completion, students should be able to demonstrate developmentally appropriate plans/assessments, appropriate guidance techniques and ethical/professional behaviors as indicated by assignments and onsite faculty visits.

EGR 110 Intro to Engineering Tech 1 2 0 2

Prerequisites: None

Corequisites: None

This course introduces general topics relevant to engineering technology. Topics include career assessment, professional

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ethics, critical thinking and problem solving, usage of college resources for study and research, and using tools for engineering computations. Upon completion, students should be able to choose a career option in engineering technology and utilize college resources to meet their educational goals. *This course is also available through the Virtual Learning Community (VLC).*

ELC 111 Intro to Electricity 2 2 0 3
Prerequisites: None
Corequisites: None

This course introduces the fundamental concepts of electricity and test equipment to non-electrical/electronic majors. Topics include basic DC and AC principles (voltage, resistance, current, impedance); components (resistors, inductors, and capacitors); power; and operation of test equipment. Upon completion, students should be able to construct and analyze simple DC and AC circuits using electrical test equipment.

ELC 112 DC/AC Electricity 3 6 0 5
Prerequisites: None
Corequisites: None

This course introduces the fundamental concepts of and computations related to DC/AC electricity. Emphasis is placed on DC/AC circuits, components, operation of test equipment; and other related topics. Upon completion, students should be able to construct, verify, troubleshoot, and repair DC/AC circuits.

ELC 113 Basic Wiring I 2 6 0 4
Prerequisites: None
Corequisites: None

This course introduces the care/usage of tools and materials used in electrical installations and the requirements of the National Electrical Code. Topics include NEC, electrical safety, and electrical blueprint reading; planning, layout; and installation of electrical distribution equipment; lighting; overcurrent protection; conductors; branch circuits; and conduits. Upon completion, students should be able to properly install conduits, wiring, and electrical distribution equipment associated with basic electrical installations.

ELC 114 Basic Wiring II 2 6 0 4
Prerequisites: None
Corequisites: None

This course provides instruction in the application of electrical tools, materials, and test equipment associated with electrical installations. Topics include the NEC; safety; electrical blueprints; planning, layout, and installation of equipment and conduits; and wiring devices such as panels and overcurrent devices. Upon completion, students should be able to properly install equipment and conduit associated with electrical installations.

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ELC 115 Industrial Wiring 2 6 0 4
Prerequisites: ELC 113
Corequisites: None

This course covers layout, planning, and installation of wiring systems in industrial facilities. Emphasis is placed on industrial wiring methods and materials. Upon completion, students should be able to install industrial systems and equipment.

ELC 117 Motors and Controls 2 6 0 4
Prerequisites: None
Corequisites: None

This course introduces the fundamental concepts of motors and motor controls. Topics include ladder diagrams, pilot devices, contactors, motor starters, motors, and other control devices. Upon completion, students should be able to properly select, connect, and troubleshoot motors and control circuits.

ELC 118 National Electrical Code 1 2 0 2
Prerequisites: ELC 113
Corequisites: None

This course covers the use of the current National Electrical Code. Topics include the NEC history, wiring methods, overcurrent protection, materials, and other related topics. Upon completion, students should be able to effectively use the NEC.

ELC 119 NEC Calculations 1 2 0 2
Prerequisites: ELC 118
Corequisites: None

This course covers branch circuit, feeder, and service calculations. Emphasis is placed on sections of the National Electrical Code related to calculations. Upon completion, students should be able to use appropriate code sections to size wire, conduit, and overcurrent devices for branch circuits, feeders, and service.

ELC 121 Electrical Estimating 1 2 0 2
Prerequisites: ELC 113
Corequisites: None

This course covers the principles involved in estimating electrical projects. Topics include take-offs of materials and equipment, labor, overhead, and profit. Upon completion, students should be able to estimate simple electrical projects.

ELC 125 Diagrams and Schematics 1 2 0 2
Prerequisites: None
Corequisites: None

This course covers the interpretation of electrical diagrams, schematics, and drawings common to electrical applications. Emphasis is placed on reading and interpreting electrical diagrams and schematics. Upon completion, students should be able to read and interpret electrical diagrams and schematics.

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ELC 128 Intro to PLC 2 3 0 3
Prerequisites: ELC 117 or ELC 131
Corequisites: None

This course introduces the programmable logic controller (PLC) and its associated applications. Topics include ladder logic diagrams, input/output modules, power supplies, surge protection, selection/installation of controllers, and interfacing of controllers with equipment. Upon completion, students should be able to install PLCs and create simple programs.

ELC 131 DC/AC Circuit Analysis 4 3 0 5
Prerequisites: Proficiency in Reading - A grade of “C” or better in ENG 095 or RED 090 OR minimum Accuplacer score of 80 on Reading
Corequisites: MAT 121

This course introduces DC and AC electricity with an emphasis on circuit analysis, measurements, and operation of test equipment. Topics include DC and AC principles, circuit analysis laws and theorems, components, test equipment operation, circuit simulation, and other related topics. Upon completion, students should be able to interpret circuit schematics; design, construct, verify, and analyze DC/AC circuits; and properly use test equipment.

ELC 133 Adv Circuit Analysis 2 3 0 3
Prerequisites: ELC 131
Corequisites: None

This course covers additional concepts of DC/AC electricity, the use of test equipment, and measurement techniques for electrical/electronics majors. Topics include the application of network theorems such as delta/wye transformations, Superposition Theorem, and other advanced circuit analysis principles. Upon completion, students should be able to construct and analyze DC/AC circuits used advanced circuit analysis theorems, circuit simulators, and test equipment.

ELC 213 Instrumentation 3 2 0 4
Prerequisites: ELC 111 or ELC 112 or ELC 131
Corequisites: None

This course covers the fundamentals of instrumentation used in industry. Emphasis is placed on electric, electronic, and other instruments. Upon completion, students should be able to install, maintain, and calibrate instrumentation.

ELC 228 PLC Applications 2 6 0 4
Prerequisites: ELC 128
Corequisites: None

This course covers programming and applications of programmable logic controllers. Emphasis is placed on programming techniques, networking, specialty I/O modules, and system troubleshooting. Upon completion, students should be able to specify, implement, and maintain complex PLC controlled systems.

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ELC 229 Applications Project 1 3 0 2
Prerequisites: ELC 117 and ELC 128
Corequisites: None

This course provides an individual and/or integrated team approach to a practical project as approved by the instructor. Topics include project selection and planning, implementation and testing, and a final presentation. Upon completion, students should be able to plan and implement an applications-oriented project.

ELN 114 Marine Electronics 1 2 0 2
Prerequisites: None
Corequisites: None

This course introduces a wide variety of marine electronics that are used in the marine research industry. Topics include basic theory, components, circuits, testing, troubleshooting, and installation of AC and DC marine electronics. Upon completion, students should be able to install, troubleshoot, and operate basic marine electronics used in the marine research industry.

ELN 131 Semiconductor Applications 3 3 0 4
Prerequisites: ELC 131 and MAT 121
Corequisites: None

This course introduces the characteristics and applications of semiconductor devices and circuits. Emphasis is placed on analysis, selection, biasing, and applications. Upon completion, students should be able to construct, analyze, verify, and troubleshoot discrete component circuits using appropriate techniques and test equipment.

ELN 132 Linear IC Applications 3 3 0 4
Prerequisites: ELN 131
Corequisites: None

This course introduces the characteristics and applications of linear integrated circuits. Topics include op-amp circuits, waveform generators, active filters, IC voltage regulators, and other related topics. Upon completion, students should be able to construct, analyze, verify, and troubleshoot linear integrated circuits using appropriate techniques and test equipment.

ELN 133 Digital Electronics 3 3 0 4
Prerequisites: ELC 131, ELN 131
Corequisites: None

This course covers combinational and sequential logic circuits. Topics include number systems, Boolean algebra, logic families, MSI and LSI circuits, AD/DA conversion, and other related topics. Upon completion, students should be able to construct, analyze, verify, and troubleshoot digital circuits using appropriate techniques and test equipment. *This course is also available through the Virtual Learning Community (VLC).*

ELN 229 Industrial Electronics 3 3 0 4
Prerequisites: ELC 112
Corequisites: None

This course covers semiconductor devices used in industrial applications. Topics include the basic theory, application, and operating characteristics of semiconductor devices. Upon completion, students should be able to install and/or troubleshoot these devices for proper operation in an industrial electronic circuit..

ELN 231 Industrial Controls 2 3 0 3
Prerequisites: ELC 131
Corequisites: None

This course introduces the fundamental concepts of control of rotating machinery and associated peripheral devices. Topics include rotating machine theory, ladder logic, electromechanical and solid state relays, motor controls, pilot devices, three-phase power systems, and other related topics. Upon completion, students should be able to interpret schematics and demonstrate an understanding of electromechanical and electronic control of rotating machinery.

ELN 232 Intro to Microprocessors 3 3 0 4
Prerequisites: CSC 133, ELN 133
Corequisites: None

This course introduces microprocessor architecture and microcomputer systems including memory and input/output interfacing. Topics include low-level language programming, bus architecture, I/O systems, memory systems, interrupts, and other related topics. Upon completion, students should be able to interpret, analyze, verify, and troubleshoot fundamental microprocessor circuits and programs using appropriate techniques and test equipment.

ELN 234 Communication Systems 3 3 0 4
Prerequisites: ELC 133, ELN 131, MAT 121, ELN 132
Corequisites: None

This course introduces the fundamentals of electronic communication systems. Topics include the frequency spectrum, electrical noise, modulation techniques, characteristics of transmitters and receivers, and digital communications. Upon completion, students should be able to interpret analog and digital communication circuit diagrams, analyze transmitter and receiver circuits, and use appropriate communication test equipment.

ELN 235 Data Communication Sys 3 3 0 4
Prerequisites: ELN 234
Corequisites: None

This course covers data communication systems and the transmission of digital information from source to destination. Topics include data transmission systems, interfaces and modems, protocols, networks, and other related topics. Upon completion, students should be able to demonstrate knowledge of the concepts associated with data communication systems.

ELN 236 Fiber Optics and Lasers 3 2 0 4
Prerequisites: ELN 234
Corequisites: None

This course introduces the fundamentals of fiber optics and lasers. Topics include the transmission of light; characteristics of fiber optic and lasers and their systems; fiber optic production; types of lasers; and laser safety. Upon completion, students should be able to understand fiber optic communications and basic laser fundamentals. In addition, opto-electronic devices and optical transmitters and receivers will be investigated and analyzed.

ELN 237 Local Area Networks 2 3 0 3
Prerequisites: CIS110 and CET172
Corequisites: None

This course introduces the fundamentals of local area networks and their operation. Topics include the characteristics of network topologies, system hardware, system configuration, installation and operation of the LAN. Upon completion, students should be able to install and maintain a local area network

ELN 238 Advanced LANs 2 3 0 3
Prerequisites: ELN 237
Corequisites: None

This course covers advanced concepts, tools, and techniques associated with servers, workstations, and overall local area network performance. Topics include network security and configuration, system performance and optimization, communication protocols and packet formats, troubleshooting techniques, multi-platform integration, and other related topics. Upon completion, students should be able to use advanced techniques to install, manage, and troubleshoot networks and optimize server and workstation performance.

ELN 260 Prog Logic Controllers 3 3 0 4
Prerequisites: None
Corequisites: None

This course provides a detailed study of PLC applications, with a focus on design of industrial controls using the PLC. Topics include PLC components, memory organization, math instructions, documentation, input/output devices, and applying PLCs in industrial control systems. Upon completion, students should be able to select and program a PLC system to perform a wide variety of industrial control functions.

ELN 275 Troubleshooting 1 3 0 2
Prerequisites: None
Corequisites: ELN 133 or ELN 141

This course covers techniques of analyzing and repairing failures in electronic equipment. Topics include safety, signal tracing, use of service manuals, and specific troubleshooting methods for analog, digital, and other electronics-based circuits and systems. Upon completion, students should be able to logically diagnose and isolate faults and perform necessary repairs to meet manufacturers' specifications.

Class Lab Clinical Credit

ENG 075 Reading/Language Essent 5 0 0 5

Prerequisites: a. Students must have an Accuplacer score of 36-40 on Writing and 34-38 on Reading
b. Students are placed in this developmental class on the basis of the lower Writing/Reading test scores. A higher score on only one of the tests does not place the student out of ENG 075. Example: 20 on Accuplacer Writing and 40 on Accuplacer Reading
Corequisites: None

This course uses whole language to develop proficiency in basic reading and writing. Emphasis is placed on increasing vocabulary, developing comprehension skills, and improving grammar. Upon completion, students should be able to understand and create grammatically and syntactically correct sentences.

ENG 085 Read & Writing Found 5 0 0 5

Prerequisites: a. Students must earn a grade of "C" or better in ENG 075 OR in ENG 070 and RED 070 OR
b. Students must have an Accuplacer score of 41-65 on Writing and 39-56 on Reading. Students are placed in this developmental class on the basis of the lower of the Writing/Reading test scores**.** A higher score on only one of the tests does not place the student out of ENG 085. Example: 40 on Accuplacer Writing and 79 on Accuplacer Reading
Corequisites: None

This course uses whole language to develop proficiency in reading and writing for college. Emphasis is placed on applying analytical and critical reading skills to a variety of texts and on introducing the writing process. Upon completion, students should be able to recognize and use various patterns of text organization and compose effective paragraphs.

ENG 095 Reading & Comp Strategies 5 0 0 5

Prerequisites: a. Students must earn a grade of "C" or better in ENG 085 OR in ENG 080 and RED 080 OR
b. Students must have an Accuplacer score of 66-85 on Writing and 57-79 on Reading. Students are placed in this developmental class on the basis of the lower of the Writing/Reading test scores**.** A higher score on only one of the tests does not place the student out of ENG 095. Example: 86 on Accuplacer Writing and 79 on Accuplacer Reading.
Corequisites: None

This course uses whole language to strengthen proficiency in reading and writing for college. Emphasis is placed on applying critical reading skills to narrative and expository texts and on using the writing process. Upon completion, students should be able to comprehend, analyze, and evaluate college texts and to compose essays in preparation for college writing.

Class Lab Clinical Credit

ENG 101 Applied Communications I 3 0 0 3

Prerequisites: None
Corequisites: None

This course is designed to enhance reading and writing skills for the workplace. Emphasis is placed on technical reading, job-related vocabulary, sentence writing, punctuation, and spelling. Upon completion, students should be able to identify main ideas with supporting details and produce mechanically correct short writings appropriate to the workplace. *This course may meet the communication requirement for DIP and CER programs.*

ENG 102 Applied Communicat II 3 0 0 3

Prerequisites: None
Corequisites: None

This course is designed to enhance writing and speaking skills for the workplace. Emphasis is placed on generating short writings such as job application documents, memoranda, and reports and developing interpersonal communication skills with employees and the public. Upon completion, students should be able to prepare effective, short, and job-related written and oral communications. *This course may meet the communication requirement for DIP and CER programs.*

ENG 111 Expository Writing 3 0 0 3

Prerequisites: Proficiency in Reading AND Writing - A grade of "C" or better in ENG 095 OR a grade of "C" or better in ENG 090 AND RED 090 OR minimum Accuplacer scores of 80 on Reading and 86 on Writing
Corequisites: None

This course is the required first course in a series of two designed to develop the ability to produce clear expository prose. Emphasis is placed on the writing process including audience analysis, topic selection, thesis support and development, editing, and revision. Upon completion, students should be able to produce unified, coherent, well-developed essays using standard written English. This course may be taught in a computer lab. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in English composition. This course may meet the SACS communication requirement for AA, AS, AFA, AGE, AAS, DIP, or CER programs.*

ENG 112 Argument-Based Research 3 0 0 3

Prerequisites: ENG 111
Corequisites: None

This course, the second in a series of two, introduces research techniques, documentation styles, and argumentative strategies. Emphasis is placed on analyzing data and incorporating research findings into documented argumentative essays and research projects. Upon completion, students should be able to summarize, paraphrase, interpret, and synthesize information from primary and secondary sources using standard research format and style. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in English composition. This course may meet*

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the SACS communication requirement for AA, AS, AFA, AGE, AAS, DIP, or CER programs.

ENG 113 Literature-Based Research 3 0 0 3
Prerequisites: ENG 111
Corequisites: None

This course, the second in a series of two, expands the concepts developed in ENG 111 by focusing on writing that involves literature-based research and documentation. Emphasis is placed on critical reading and thinking and the analysis and interpretation of prose, poetry, and drama: plot, characterization, theme, cultural context, etc. Upon completion, students should be able to construct mechanically sound, documented essays and research papers that analyze and respond to literary works. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in English composition. This course may meet the SACS communication requirement for AA, AS, AFA, AGE, AAS, DIP, or CER programs.*

ENG 114 Prof Research & Report 3 0 0 3
Prerequisites: ENG 111
Corequisites: None

This course, the second in a series of two, is designed to teach professional communication skills. Emphasis is placed on research, listening, critical reading and thinking, analysis, interpretation, and design used in oral and written presentations. Upon completion, students should be able to work individually and collaboratively to produce well-designed business and professional written and oral presentations. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in English composition. This course may meet the SACS communication requirement for AA, AS, AFA, AGE, AAS, DIP, or CER programs.*

ENG 125 Creative Writing I 3 0 0 3
Prerequisites: ENG 111
Corequisites: None

This course is designed to provide students with the opportunity to practice the art of creative writing. Emphasis is placed on writing, fiction, poetry, and sketches. Upon completion, students should be able to craft and critique their own writing and critique the writing of others. *This course has been approved to satisfy the Comprehensive Articulation Agreement pre-major and/or elective course requirement. This course may meet the SACS humanities/fine arts requirement for AGE, AAS, DIP, or CER programs.*

ENG 126 Creative Writing II 3 0 0 3
Prerequisites: ENG 125
Corequisites: None

This course is designed as a workshop approach for advancing imaginative and literary skills. Emphasis is placed on the discussion of style, techniques, and challenges for first publications. Upon completion, students should be able to submit a piece of their writing for publication. *This course has been approved to satisfy the Comprehensive Articulation Agreement pre-major and/or elective course requirement.*

Class Lab Clinical Credit

ENG 131 Introduction to Literature 3 0 0 3
Prerequisites: ENG 111
Corequisites: ENG 112 or ENG 113 or ENG 114

This course introduces the principal genres of literature. Emphasis is placed on literary terminology, devices, structure, and interpretation. Upon completion, students should be able to analyze and respond to literature. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in humanities/fine arts. This course may meet the SACS humanities/fine arts requirement for AA, AS, AFA, AGE, AAS, DIP, or CER programs.*

ENG 231 American Literature I 3 0 0 3
Prerequisites: ENG 112 or ENG 113 or ENG 114
Corequisites: None

This course covers selected works in American literature from its beginnings to 1865. Emphasis is placed on historical background, cultural context, and literary analysis of selected prose, poetry, and drama. Upon completion, students should be able to interpret, analyze, and respond to literary works in their historical and cultural contexts. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in humanities/fine arts. This course may meet the SACS humanities/fine arts requirement for AA, AS, AFA, AGE, AAS, DIP, or CER programs.*

ENG 232 American Literature II 3 0 0 3
Prerequisites: ENG 112 or ENG 113 or ENG 114
Corequisites: None

This course covers selected works in American literature from 1865 to the present. Emphasis is placed on historical background, cultural context, and literary analysis of selected prose, poetry, and drama. Upon completion, students should be able to interpret, analyze, and respond to literary works in their historical and cultural contexts. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in humanities/fine arts. This course may meet the SACS humanities/fine arts requirement for AA, AS, AFA, AGE, AAS, DIP, or CER programs.*

ENG 233 Major American Writers 3 0 0 3
Prerequisites: ENG 112 or ENG 113 or ENG 114
Corequisites: None

This course provides an intensive study of the works of several major American authors. Emphasis is placed on American history, culture, and the literary merits. Upon completion, students should be able to interpret, analyze, and evaluate the works studied. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in humanities/fine arts. This course may meet the SACS humanities/fine arts requirement for AA, AS, AFA, AGE, AAS, DIP, or CER programs.*

Class Lab Clinical Credit

ENG 241 British Literature I 3 0 0 3
Prerequisites: ENG 112 or ENG 113 or ENG 114
Corequisites: None

This course covers selected works in British literature from the beginnings to the Romantic Period. Emphasis is placed on historical background, cultural context, and literary analysis of selected prose, poetry, and drama. Upon completion, students should be able to interpret, analyze, and respond to literary works in their historical and cultural contexts. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in humanities/fine arts. This course may meet the SACS humanities/fine arts requirement for AA, AS, AFA, AGE, AAS, DIP, or CER programs.*

ENG 242 British Literature II 3 0 0 3
Prerequisites: ENG 112 or ENG 113 or ENG 114
Corequisites: None

This course covers selected works in British literature from the Romantic Period to the present. Emphasis is placed on historical background, cultural context, and literary analysis of selected prose, poetry, and drama. Upon completion, students should be able to interpret, analyze, and respond to literary works in their historical and cultural contexts. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in humanities/fine arts. This course may meet the SACS humanities/fine arts requirement for AA, AS, AFA, AGE, AAS, DIP, or CER programs.*

ENG 261 World Literature I 3 0 0 3
Prerequisites: ENG 112 or ENG 113 or ENG 114
Corequisites: None

This course introduces selected works from the Pacific, Asia, Africa, Europe, and the Americas from their literary beginnings through the seventeenth century. Emphasis is placed on historical background, cultural context, and literary analysis of selected prose, poetry, and drama. Upon completion, students should be able to interpret, analyze, and respond to selected works. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in humanities/fine arts. This course may meet the SACS humanities/fine arts requirement for AA, AS, AFA, AGE, AAS, DIP, or CER programs.*

ENG 262 World Literature II 3 0 0 3
Prerequisites: ENG 112 or ENG 113 or ENG 114
Corequisites: None

This course introduces selected works from the Pacific, Asia, Africa, Europe, and the Americas from the eighteenth century to the present. Emphasis is placed on historical background, cultural context, and literary analysis of selected prose, poetry, and drama. Upon completion, students should be able to interpret, analyze, and respond to selected works. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in humanities/fine arts. This course may meet the SACS humanities/fine arts requirement for AA, AS, AFA, AGE, AAS, DIP, or CER programs.*

Class Lab Clinical Credit

ENG 272 Southern Literature 3 0 0 3
Prerequisites: ENG 112 or ENG 113 or ENG 114
Corequisites: None

This course provides an analytical study of the works of several Southern authors. Emphasis is placed on the historical and cultural contexts, themes, aesthetic features of individual works, and biographical backgrounds of the authors. Upon completion, students should be able to interpret, analyze, and discuss selected works. *This course has been approved to satisfy the Comprehensive Articulation Agreement pre-major and/or elective course requirement. This course may meet the SACS humanities/fine arts requirement for AGE, AAS, DIP, or CER programs.*

ENG 273 African-American Literature 3 0 0 3
Prerequisites: ENG 112 or ENG 113 or ENG 114
Corequisites: None

This course provides a survey of the development of African-American literature from its beginnings to the present. Emphasis is placed on historical and cultural context, themes, literary traditions, and backgrounds of the authors. Upon completion, students should be able to interpret, analyze, and respond to selected texts. *This course has been approved to satisfy the Comprehensive Articulation Agreement pre-major and/or elective course requirement. This course may meet the SACS humanities/fine arts requirement for AGE, AAS, DIP, or CER programs.*

ENG 274 Literature by Women 3 0 0 3
Prerequisites: ENG 112 or ENG 113 or ENG 114
Corequisites: None

This course provides an analytical study of the works of several women authors. Emphasis is placed on the historical and cultural contexts, themes and aesthetic features of individual works, and biographical backgrounds of the authors. Upon completion, students should be able to interpret, analyze, and discuss selected works. *This course has been approved to satisfy the Comprehensive Articulation Agreement pre-major and/or elective course requirement. This course may meet the SACS humanities/fine arts requirement for AGE, AAS, DIP, or CER programs.*

ENT 114 Entertainment Law 3 0 0 3
Prerequisites: None
Corequisites: None

This course provides an introduction to legal aspects of the entertainment industry. Topics include performance rights, songwriting and personal appearance contracts, copyright law, trademarks, and the like. Upon completion, students should be able to explain the basic elements of a contract, recognizing, explaining, and evaluating elements of law that pertain to entertainment.

Class Lab Clinical Credit

ENV 110 Environmental Science 3 0 0 3
Prerequisites: None
Corequisites: None

This course covers the environmental problems facing society today. Topics include population, natural resources, air and water pollution, and waste disposal problems. Upon completion, students should be able to demonstrate insight into the role the individual plays in shaping the environment.

FRE 111 Elementary French I 3 0 0 3
Prerequisites: Proficiency in Reading - A grade of "C" or better in ENG 085 or RED 080 OR minimum Accuplacer score of 57 on Reading
Corequisites: FRE 181

This course introduces the fundamental elements of the French language within a cultural context. Emphasis is placed on the development of basic listening, speaking, reading, and writing skills. Upon completion, students should be able to comprehend and respond with grammatical accuracy to spoken and written French and demonstrate cultural awareness. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in humanities/fine arts. This course may meet the second SACS humanities/fine arts requirement for AA, AS, and AFA programs.*

Students who have completed two units of foreign language in high school are advised to take the CLEP (College Level Examination for Placement) before registering for FRE 111. The CLEP is given daily at the University of North Carolina-Wilmington Testing Center and requires a fee. Students should make an appointment by calling 910-362-7444. CFCC discourages students from taking elementary levels of global languages if they have had satisfactory grades in high school language courses.

FRE 112 Elementary French II 3 0 0 3
Prerequisites: FRE 111
Corequisites: FRE 182

This course is a continuation of FRE 111 focusing on the fundamental elements of the French language within a cultural context. Emphasis is placed on the progressive development of listening, speaking, reading, and writing skills. Upon completion, students should be able to comprehend and respond with increasing proficiency to spoken and written French and to demonstrate further cultural awareness. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in humanities/fine arts. This course may meet the second SACS humanities/fine arts requirement for AA, AS, and AFA programs.*

FRE 181 French Lab 1 0 2 0 1
Prerequisites: Proficiency in Reading - A grade of "C" or better in ENG 085 or RED 080 OR minimum Accuplacer score of 57 on Reading
Corequisites: FRE 111

This course provides an opportunity to enhance acquisition of the fundamental elements of the French language. Emphasis is placed on the progressive development of basic listening, speaking, reading, and writing skills through the use of supplementary learning media and materials. Upon completion, students should be able to comprehend and respond with grammatical accuracy to spoken and written French and demonstrate cultural awareness. *This course has been approved to satisfy the Comprehensive Articulation Agreement for transferability as a premajor and/or elective course requirement.*

Students who have completed two units of foreign language in high school are advised to take the CLEP (College Level Examination for Placement) before registering for FRE 111. The CLEP is given daily at the University of North Carolina-Wilmington Testing Center and requires a fee. Students should make an appointment by calling 910-362-7444. CFCC discourages students from taking elementary levels of global languages if they have had satisfactory grades in high school language courses.

FRE 182 French Lab 2 0 2 0 1
Prerequisites: FRE 181
Corequisites: FRE 112

This course provides an opportunity to enhance acquisition of the fundamental elements of the French language. Emphasis is placed on the progressive development of basic listening, speaking, reading, and writing skills through the use of supplementary learning media and materials. Upon completion, students should be able to comprehend and respond with increasing proficiency to spoken and written French and demonstrate cultural awareness. *This course has been approved to satisfy the Comprehensive Articulation Agreement for transferability as a pre-major and/or elective course requirement.*

FRE 211 Intermediate French I 3 0 0 3
Prerequisites: FRE 112
Corequisites: None

This course provides a review and expansion of the essential skills of the French language. Emphasis is placed on the study of authentic and representative literary and cultural texts. Upon completion, students should be able to communicate effectively, accurately, and creatively about the past, present, and future. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in humanities/fine arts. This course may meet the SACS humanities/fine arts requirement for AA, AS, and AFA programs.*

FRE 212 Intermediate French II 3 0 0 3
Prerequisites: FRE 211
Corequisites: None

This course is a continuation of FRE 211. Emphasis is placed on the continuing study of authentic and representative literary and cultural texts. Upon completion, students should be able to communicate spontaneously and accurately with increasing complexity and sophistication. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in humanities/fine arts. This course may meet the SACS humanities/fine arts requirement for AA, AS, and AFA programs.*

Class Lab Clinical Credit

FST 102 Foodservice Skills I 4 8 0 8
Prerequisites: None
Corequisites: CUL 110
This course introduces the concepts, skills, and techniques for volume food production in an institutional or commercial setting. Emphasis is placed on knife skills, tool and equipment handling, and applying principles of basic hot and cold food preparation. Upon completion, students should be able to demonstrate entry-level skills for foodservice operations.

FVP 111 Intro to Film and Video 2 3 0 3
Prerequisites: None
Corequisites: None

This course is an overview of the film making process from conceptualization to execution and examines film genres in the context of history, theory, creativity, and commerce. Topics include the history of film and video in the US, technical terminology, relationships between various job categories, and the language of film. Upon completion, students should be able to demonstrate a film vocabulary and knowledge of working conditions in the film/video production field.

FVP 112 Art Dept Operations I 1 4 0 3
Prerequisites: None
Corequisites: None

This course introduces practical fabrication skills for wood and other materials required to build both props and sets from blueprints, photographs, or sketches. Emphasis is placed on the safe use of hand and power tools, and the skills required for collaborative efforts in set and prop construction. Upon completion students should be able to demonstrate a working knowledge of the equipment and skills necessary to assist in constructing sets and props.

FVP 113 Grip & Electrical I 1 4 0 3
Prerequisites: None
Corequisites: None

This course covers various grip/support packages used in different environments for studio and location. Topics include lighting units, hardware, stands, color media, and electrical theory with emphasis on safety. Upon completion, students should be able to execute basic grip and electrical directions given by the key grip, and/or gaffer.

FVP 114 Camera & Lighting I 2 3 0 3
Prerequisites: None
Corequisites: None

This course covers the basic principles of video camera and recorder operations in professional formats, crew protocol and safety, and basic lighting theory and application. Emphasis is placed on terminology, the characteristics of light, basic lighting procedures, and proper procedures of field recording with video equipment. Upon completion, students should be able to demonstrate an understanding of the basic technical terms of camera operation, video recording and lighting equipment.

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FVP 115 Camera & Lighting II 2 3 0 3
Prerequisites: FVP 114
Corequisites: None

This course offers advanced principles of video camera and recorder operations and introduces students to film formats and equipment as well as advanced lighting theory applications. Emphasis is placed on terminology, lighting for effect, and color correction. Upon completion, students should be able to demonstrate an understanding of camera terms and equipment, lighting theory and applications, and assist on studio and location shoots.

FVP 116 Sound Operation 2 3 0 3
Prerequisites: None
Corequisites: None

This course provides an overview of sound theory, methods, and technologies for location and studio recording, and hands-on work in location sound gathering. Emphasis is placed on terminology, protocol, cabling, trouble-shooting, mixing skills and safety aspects associated with hands-on work in sound gathering. Upon completion, students should be able to demonstrate an understanding of sound theory and terminology and assist professionals in sound gathering in both film and audio production.

FVP 117 Make-up & Wardrobe 2 3 0 3
Prerequisites: None
Corequisites: None

This course covers talent presentation for camera including period and genre make-up styles, materials and methods of fabrication. Emphasis is placed on understanding the wardrobe department, make-up application, prosthetics and special effects make-up with emphasis on safety, hygiene, durability and continuity. Upon completion, students should understand the functions of the wardrobe department and demonstrate competence in the use of various make-up applications.

FVP 120 Art Dept. Operations II 1 4 0 3
Prerequisites: FVP 112
Corequisites: None

This course provides a more in depth coverage of the skills necessary to assist in the set construction, paint, set dressing, props and greens departments. Emphasis is placed on the skill range required for each craft including, but not limited to, plumbing, casting, wallpapering, furniture construction, upholstery, wiring and drapery. Upon completion students should be competent to assist in all fields related to the fabrication and decoration of sets and props.

FVP 130 Grip and Electrical II 1 4 0 3
Prerequisites: FVP 113
Corequisites: None

This course provides a more in depth coverage of grip/support packages used in studio work and on location. Topics include advanced coverage of lighting, color media, and camera dollies, rigging, and electrical distribution with emphasis on safety issues. Upon completion students should be able to execute

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grip and electrical directions given by the key grip, gaffer, cinematographer and/or director of photography.

FVP 212 Production Techniques I 1 12 0 5
Prerequisites: FVP 111 and FVP 115 and FVP 116
Corequisites: None

This course provides experience working in a variety of crew positions with both student and professional productions and covers advanced film production concepts. Emphasis is placed on successful interaction with other advanced students and/or professionals as well as competency in advanced film production concepts. Upon completion, students should be able to demonstrate professional skills needed to pursue careers in the film and video industry.

FVP 213 Production Techniques II 1 12 0 5
Prerequisites: FVP 212
Corequisites: None

This course provides experience working in a variety of crew positions with both student and professional productions and covers advanced film production concepts. Emphasis is placed on successful interaction with other advanced students and/or professionals as well as competency in advanced film production concepts. Upon completion, students should be able to demonstrate professional skills needed to pursue careers in key positions in the film and video industry.

FVP 215 Production Management 2 3 0 3
Prerequisites: FVP 111
Corequisites: FVP 238

This course emphasizes the activity of script breakdown in pre-production as well as the activities of the production office in both the production and post-production stages. Emphasis is placed on procedures, use of industry standard forms and software, as well as the functions and practices of the production office. Upon completion students should be able to demonstrate the people and technical skills necessary to assist above-the-line professionals in all types of film and video production.

FVP 220 Editing I 2 3 0 3
Prerequisites: None
Corequisites: None

This course covers film and video editing from traditional methods to digital non-linear systems and basic film lab and transfer facility procedures. Topics include terminology, technologies, aesthetics, basic picture-only editing skills; and the editor's role augmented by hands-on experience. Upon completion, students should be able to use editing equipment and basic digitizing, logging, and picture only editing skills.

FVP 221 Editing II 2 3 0 3
Prerequisites: FVP 220
Corequisites: None

This course covers editing in the digital environment, starting from the camera negative through the transfer, the non-linear digital edit and going back to negative matching. Topics include terminology, technologies, aesthetics, advanced sound and picture editing skills, and the editor's role augmented by hands-on experience. Upon completion student should be able to demonstrate proficiency in using editing equipment and sound and picture editing skills.

FVP 227 Multimedia Production 2 3 0 3
Prerequisites: FVP 212
Corequisites: None

This course covers technical terms used in the multimedia industry and introduces skills related to digital manipulation of audio and video materials. Emphasis is placed on technical terms used in multimedia work and integration of sound, video, graphics, and text into a single production. Upon completion, students should be able to define technical terms in multimedia work and work with a variety of computer hardware and software.

FVP 238 Software Apps for FVP 2 3 0 3
Prerequisites: None
Corequisites: None

This course introduces the use of industry standard computer software unique to the motion picture industry using personal computers. Emphasis is placed on hands-on work with budgeting and scheduling software and in facilitating the relationship between the technical crew and the script. Upon completion, students should be able to assist with script breakdown for budgeting and scheduling and work with that information in computer-based formats.

FVP 250 Production Specialities I 1 6 0 3
Prerequisites: FVP 111 and FVP 114
Corequisites: None

This course provides education and training through contextual learning in the film production areas of art department, camera, sound, grip, electric, locations, script, and continuity. Emphasis is placed on successful professional level interaction with other students and industry professionals through pre-production and initial production of an actual film/video project. Upon completion, students should demonstrate an understanding of the film/video pre-production and initial production process, and the relationship among the departments in these areas.

GEL 113 Historical Geology 3 2 0 4
Prerequisites: GEL 111 or GEL 120
Corequisites: None

This course covers the geological history of the earth and its life forms. Emphasis is placed on the study of rock strata, fossil groups, and geological time. Upon completion, students should be able to identify major fossil groups and associated rock strata and approximate ages of geological formations. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in natural sciences/mathematics. This course may meet the SACS natural science requirement for AA, AS, AFA, AGE, AAS, DIP, or CER programs.*

Class Lab Clinical Credit

GEL 120 Physical Geology 3 2 0 4
Prerequisites: None
Corequisites: None

This course provides a study of the structure and composition of the earth's crust. Emphasis is placed on weathering, erosional and depositional processes, mountain building forces, rocks and minerals, and structural changes. Upon completion, students should be able to explain the structure, composition, and formation of the earth's crust. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in natural sciences/mathematics. This course may meet the SACS natural science requirement for AA, AS, AFA, AGE, AAS, DIP, or CER programs.*

GER 111 Elementary German I 3 0 0 3
Prerequisites: Proficiency in Reading - A grade of "C" or better in ENG 085 or RED 080 OR minimum Accuplacer score of 57 on Reading
Corequisites: GER 181

This course introduces the fundamental elements of the German language within a cultural context. Emphasis is placed on the development of basic listening, speaking, reading, and writing skills. Upon completion, students should be able to comprehend and respond with grammatical accuracy to spoken and written German and demonstrate cultural awareness. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in humanities/fine arts. This course may meet the second SACS humanities/fine arts requirement for AA, AS, and AFA programs.*

Students who have completed two units of foreign language in high school are advised to take the CLEP (College Level Examination for Placement) before registering for GER 111. The CLEP is given daily at the University of North Carolina-Wilmington Testing Center and requires a fee. Students should make an appointment by calling 910-362-7444. CFCC discourages students from taking elementary levels of global languages if they have had satisfactory grades in high school language courses.

GER 112 Elementary German II 3 0 0 3
Prerequisites: GER 111
Corequisites: GER 182

This course is a continuation of GER 111 focusing on the fundamental elements of the German language within a cultural context. Emphasis is placed on the progressive development of listening, speaking, reading, and writing skills. Upon completion, students should be able to comprehend and respond with increasing proficiency to spoken and written German and to demonstrate further cultural awareness. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in humanities/fine arts. This course may meet the second SACS humanities/fine arts requirement for AA, AS, and AFA programs.*

Class Lab Clinical Credit

GER 181 German Lab 1 0 2 0 1
Prerequisites: Proficiency in Reading - A grade of "C" or better in ENG 085 or RED 080 OR minimum Accuplacer score of 57 on Reading
Corequisites: GER 111

This course provides an opportunity to enhance acquisition of the fundamental elements of the German language. Emphasis is placed on the progressive development of basic listening, speaking, reading, and writing skills through the use of supplementary learning media and materials. Upon completion, students should be able to comprehend and respond with grammatical accuracy to spoken and written German and demonstrate cultural awareness. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in humanities/fine arts.*

Students who have completed two units of foreign language in high school are advised to take the CLEP (College Level Examination for Placement) before registering for GER 111. The CLEP is given daily at the University of North Carolina-Wilmington Testing Center and requires a fee. Students should make an appointment by calling 910-362-7444. CFCC discourages students from taking elementary levels of global languages if they have had satisfactory grades in high school language courses.

GER 182 German Lab 2 0 2 0 1
Prerequisites: GER 181
Corequisites: GER 112

This course provides an opportunity to enhance acquisition of the fundamental elements of the German language. Emphasis is placed on the progressive development of basic listening, speaking, reading, and writing skills through the use of supplementary learning media and materials. Upon completion, students should be able to comprehend and respond with increasing proficiency to spoken and written German and demonstrate cultural awareness. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in humanities/fine arts.*

GER 211 Intermediate German I 3 0 0 3
Prerequisites: GER 112
Corequisites: None

This course provides a review and expansion of the essential skills of the German language. Emphasis is placed on the study of authentic and representative literary and cultural texts. Upon completion, students should be able to communicate effectively, accurately, and creatively about the past, present, and future. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in humanities/fine arts. This course may meet the SACS humanities/fine arts requirement for AA, AS, and AFA programs.*

GER 212 German II 3 0 0 3
Prerequisites: GER 211
Corequisites: None

This course is a continuation of GER 211. Emphasis is placed on the continuing study of authentic and representative literary and cultural texts. Upon completion, students should be able to communicate spontaneously and accurately with increasing complexity and sophistication. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in humanities/fine arts. This course may meet the SACS humanities/fine arts requirement for AA, AS, and AFA programs.*

HEA 111 First Aid & Safety 1 2 0 2
Prerequisites: None
Corequisites: None

This course provides first aid and safety education. Emphasis is placed on safe attitudes, accident prevention, and response to accidents and injuries. Upon completion, students should be able to demonstrate proper first aid and safety skills *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in natural sciences/mathematics.*

HET 110 Diesel Engines 3 9 0 6
Prerequisites: None
Corequisites: None

This course introduces theory, design, terminology, and operating adjustments for diesel engines. Emphasis is placed on safety, theory of operation, inspection, measuring, and rebuilding diesel engines according to factory specifications. Upon completion, students should be able to measure, diagnose problems, and repair diesel engines.

HET 112 Diesel Electrical Sys 3 6 0 5
Prerequisites: None
Corequisites: None

This course introduces electrical theory and applications as they relate to diesel powered equipment. Topics include lighting, accessories, safety, starting, charging, instrumentation, and gauges. Upon completion, students should be able to follow schematics to identify, repair, and test electrical circuits and components.

HET 114 Power Trains 3 6 0 5
Prerequisites: None
Corequisites: None

This course introduces power transmission devices. Topics include function and operation of gears, chains, clutches, planetary gears, drive lines, differentials, and transmissions. Upon completion, students should be able to identify, research specifications, repair, and adjust power train components.

HET 115 Electronic Engines 2 3 0 3
Prerequisites: None
Corequisites: None

This course introduces the principles of electronically controlled diesel engines. Emphasis is placed on testing and adjusting diesel engines in accordance with manufacturers' specifications. Upon completion, students should be able to diagnose, test, and calibrate electronically controlled diesel engines.

HET 116 Air Condit./Diesel Equip 1 2 0 2
Prerequisites: None
Corequisites: None

This course provides a study of the design, theory, and operation of heating and air conditioning systems in newer models of medium and heavy duty vehicles. Topics include component function, refrigerant recovery, and environmental regulations. Upon completion, students should be able to use proper techniques and equipment to diagnose and repair heating/air-conditioning systems according to industry standards.

HET 118 Mechanical Orientation 2 0 0 2
Prerequisites: None
Corequisites: None

This course introduces the care and safe use of power and hand tools. Topics include micrometers, dial indicators, torque wrenches, drills, taps, dies, screw extractors, thread restorers, and fasteners. Upon completion, students should be able to select and properly use tools for various operations.

HET 120 Intro to Mobile Equipment 1 2 0 2
Prerequisites: None
Corequisites: None

This course introduces the functions and systems of modern medium and heavy duty vehicles. Topics include use of technical manuals, tools and equipment, record keeping, material safety data sheets, and work habit safety. Upon completion, students should be able to use technical manuals, tools, equipment, and material safety data sheets.

HET 121 Marine Engines 2 6 0 4
Prerequisites: None
Corequisites: HET 110

This course covers two- and four-cycle diesel engines that are used for marine vessel propulsion. Emphasis is placed on construction, design, cooling systems, lubrication systems, and air-intake systems. Upon completion, students should be able to test, troubleshoot, diagnose. and repair marine engine systems. This course is a unique concentration requirement of the Marine Systems concentration in the Heavy Equipment and Transport Technology program.

HET 125 Preventive Maintenance 1 3 0 2
Prerequisites: None
Corequisites: None

This course introduces preventive maintenance practices used on medium and heavy duty vehicles and rolling assemblies. Topics include preventive maintenance schedules, services, DOT rules and regulations, and roadability. Upon completion, students should be able to set up and follow a preventive maintenance schedule as directed by manufacturers.

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HET 128 Med/Heavy Duty Tune-up 1 2 0 2
Prerequisites: None
Corequisites: None

This course introduces tune-up and troubleshooting according to manufacturers' specifications. Topics include troubleshooting engine systems, tune-up procedures, and use and care of special test tools and equipment. Upon completion, students should be able to troubleshoot, diagnose, and repair engines and components using appropriate diagnostic equipment.

HET 134 Mechanical Fuel Injection 2 2 0 3
Prerequisites: None
Corequisites: None

This course introduces the principles of mechanical fuel injection. Emphasis is placed on test equipment, component functions, and theory. Upon completion, students should be able to diagnose, service, and repair fuel systems and governors.

HET 145 Marine Electricity 2 6 0 4
Prerequisites: None
Corequisites: None

This course covers basic DC and AC electrical systems used in marine electrical systems. Topics include installation and wiring of various lighting, electrical instruments, and service generators aboard vessels. Upon completion, students should be able to test, service, and repair marine electrical systems. This course is a unique concentration requirement of the Marine Systems concentration in the Heavy Equipment and Transport Technology program.

HET 147 Marine Power Trains 2 6 0 4
Prerequisites: None
Corequisites: None

This course covers the principles and function of marine power trains. Emphasis is placed on marine gears, drive lines, gear reduction, and installation aboard vessels. Upon completion, students should be able to test, service, and troubleshoot marine power trains. This course is a unique concentration requirement of the Marine Systems concentration in the Heavy Equipment and Transport Technology program.

HET 229 Brakes and Steering 1 2 0 2
Prerequisites: None
Corequisites: None

This course introduces the theory and principles of braking and steering in medium and heavy duty vehicles. Topics include wheel and tire problems, frame members, bearings, fifth wheel, coupling systems, and braking systems. Upon completion, students should be able to diagnose, adjust, and repair steering and braking problems on medium and heavy duty vehicles.

Class Lab Clinical Credit

HIS 115 Intro to Global History 3 0 0 3
Prerequisites: Proficiency in Reading - A grade of "C" or better in ENG 095 or RED 090 OR minimum Accuplacer score of 80 on Reading
Corequisites: None

This course introduces the study of global history. Emphasis is placed on topics such as colonialism, industrialism, and nationalism. Upon completion, students should be able to analyze significant global historical issues. This course will focus primarily on Asia, Africa, Latin America, and the Middle East since 1500. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in social/behavioral sciences. This course may meet the SACS social/behavioral science requirement for AA, AS, AFA, AGE, AAS, DIP, or CER programs.*

HIS 116 Current World Problems 3 0 0 3
Prerequisites: Proficiency in Reading - A grade of "C" or better in ENG 095 or RED 090 OR minimum Accuplacer score of 80 on Reading
Corequisites: None

This course covers current world events from an historical perspective. Topics include regional problems as well as international concerns. Upon completion, students should be able to analyze significant current world problems from an historical perspective. *This course has been approved to satisfy the Comprehensive Articulation Agreement pre-major and/or elective course requirement. This course may meet the SACS social/behavioral science requirement for AGE, AAS, DIP, or CER programs.*

HIS 121 Western Civilization I 3 0 0 3
Prerequisites: Proficiency in Reading - A grade of "C" or better in ENG 095 or RED 090 OR minimum Accuplacer score of 80 on Reading
Corequisites: None

This course introduces western civilization from pre-history to the early modern era. Topics include ancient Greece, Rome, and Christian institutions of the Middle Ages and the emergence of national monarchies in western Europe. Upon completion, students should be able to analyze significant political, socioeconomic, and cultural developments in early western civilization. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in social/behavioral sciences. This course may meet the SACS social/behavioral science requirement for AA, AS, AFA, AGE, AAS, DIP, or CER programs.*

HIS 122 Western Civilization II 3 0 0 3
Prerequisites: Proficiency in Reading - A grade of "C" or better in ENG 095 or RED 090 OR minimum Accuplacer score of 80 on Reading
Corequisites: None

This course introduces western civilization from the early modern era to the present. Topics include the religious wars, the Industrial Revolution, World Wars I and II, and the Cold War. Upon completion, students should be able to analyze significant political, socioeconomic, and cultural developments in

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modern western civilization. . *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in social/behavioral sciences. This course may meet the SACS social/behavioral science requirement for AA, AS, AFA, AGE, AAS, DIP, or CER programs.*

HIS 131 American History I 3 0 0 3
Prerequisites: Proficiency in Reading - A grade of “C” or better in ENG 095 or RED 090 OR minimum Accuplacer score of 80 on Reading
Corequisites: None

This course is a survey of American history from pre-history through the Civil War era. Topics include the migrations to the Americas, the colonial and revolutionary periods, the development of the Republic, and the Civil War. Upon completion, students should be able to analyze significant political, socioeconomic, and cultural developments in early American history. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in social/behavioral sciences. This course may meet the SACS social/behavioral science requirement for AA, AS, AFA, AGE, AAS, DIP, or CER programs.*

HIS 132 American History II 3 0 0 3
Prerequisites: Proficiency in Reading - A grade of “C” or better in ENG 095 or RED 090 OR minimum Accuplacer score of 80 on Reading
Corequisites: None

This course is a survey of American history from the Civil War era to the present. Topics include industrialization, immigration, the Great Depression, the major American wars, the Cold War, and social conflict. Upon completion, students should be able to analyze significant political, socioeconomic, and cultural developments in American history since the Civil War. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in social/behavioral sciences. This course may meet the SACS social/behavioral science requirement for AA, AS, AFA, AGE, AAS, DIP, or CER programs.*

HIS 221 African-American History 3 0 0 3
Prerequisites: Proficiency in Reading - A grade of “C” or better in ENG 095 or RED 090 OR minimum Accuplacer score of 80 on Reading
Corequisites: None

This course covers African-American history from the Colonial period to the present. Topics include African origins, the slave trade, the Civil War, Reconstruction, the Jim Crow era, the civil rights movement, and contributions of African Americans. Upon completion, students should be able to analyze significant political, socioeconomic, and cultural developments in the history of African Americans. *This course has been approved to satisfy the Comprehensive Articulation Agreement for transferability as a pre-major and/or elective course requirement. This course may meet the SACS social/behavioral science requirement for AGE, AAS, DIP, or CER programs.*

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HIS 227 Native American History 3 0 0 3
Prerequisites: Proficiency in Reading - A grade of “C” or better in ENG 095 or RED 090 OR minimum Accuplacer score of 80 on Reading
Corequisites: None

This course surveys the history and cultures of Native Americans from pre-history to the present. Topics include Native American civilizations, relations with Europeans, and the continuing evolution of Native American cultures. Upon completion, students should be able to analyze significant political, socioeconomic, and cultural developments among Native Americans. *This course has been approved to satisfy the Comprehensive Articulation Agreement for transferability as a pre-major and/or elective course requirement. This course may meet the SACS social/behavioral science requirement for AGE, AAS, DIP, or CER programs.*

HIS 228 History of the South 3 0 0 3
Prerequisites: Proficiency in Reading - A grade of “C” or better in ENG 095 or RED 090 OR minimum Accuplacer score of 80 on Reading
Corequisites: None

This course covers the origin and development of the South as a distinct region of the United States. Emphasis is placed on Southern identity and its basis in cultural, social, economic, and political developments during the 19th and 20th centuries. Upon completion, students should be able to identify and analyze the major cultural, social, economic, and political developments in the South. *This course has been approved to satisfy the Comprehensive Articulation Agreement for transferability as a pre-major and/or elective course requirement.*

HIS 229 History of the Old South 3 0 0 3
Prerequisites: Proficiency in Reading - A grade of “C” or better in ENG 095 or RED 090 OR minimum Accuplacer score of 80 on Reading
Corequisites: None

This course is a study of the development of the South from European settlement through the Civil War. Topics include the multi-ethnic character of colonization, the plantation economy, relations between social classes, the nature of slavery, and issues leading to the Civil War. Upon completion, students should be able to analyze significant political, socioeconomic, and cultural developments in the antebellum South. *This course has been approved to satisfy the Comprehensive Articulation Agreement pre-major and/or elective course requirement. This course may meet the SACS social/behavioral science requirement for AGE, AAS, DIP, or CER programs.*

HOR 112 Landscape Design I 2 3 0 3
Prerequisites: None
Corequisites: None

This course covers landscape principles and practices for residential and commercial sites. Emphasis is placed on drafting, site analysis, and common elements of good design, plant material selection, and proper plant utilization. Upon completion, students should be able to read, plan, and draft a landscape design.

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HOR 114 Landscape Construction 2 2 0 3
Prerequisites: None
Corequisites: None

This course introduces the design and fabrication of landscape structures/features. Emphasis is placed on safety, tool identification and use, material selection, construction techniques, and fabrication. Upon completion, students should be able to design and construct common landscape structures/features.

HOR 134 Greenhouse Operations 2 2 0 3
Prerequisites: None
Corequisites: None

This course covers the principles and procedures involved in the operation and maintenance of greenhouse facilities. Emphasis is placed on the operation of greenhouse systems, including the environmental control, record keeping, scheduling, and production practices. Upon completion, students should be able to demonstrate the ability to operate greenhouse systems and facilities to produce greenhouse crops.

HOR 142 Fruit & Vegetable Prod 1 2 0 2
Prerequisites: None
Corequisites: None

This course introduces the principles and techniques of growing fruits and field-grown vegetables. Topics include site selection, proper varietal selection, nutritional values, cultural techniques, harvesting and marketing, and insect and disease control. Upon completion, students should be able to demonstrate an understanding of the principles related to the production of selected fruits and vegetables.

HOR 160 Plant Materials I 2 2 0 3
Prerequisites: None
Corequisites: None

This course covers identification, culture, characteristics, and use of plants. Emphasis is placed on nomenclature, identification, growth requirements, cultural requirements, soil preferences, and landscape applications. Upon completion, students should be able to demonstrate knowledge of the proper selection and utilization of plant materials.

HOR 164 Hort Pest Management 2 2 0 3
Prerequisites: None
Corequisites: None

This course covers the identification and control of plant pests including insects, diseases, and weeds. Topics include pest identification and chemical regulations, safety, and pesticide application. Upon completion, students should be able to meet the requirements for North Carolina Commercial Pesticide Ground Applicators license.

HOR 213 Landscape Design II 2 2 0 3
Prerequisites: HOR 112
Corequisites: None

This course covers residential and commercial landscape design, cost analysis, and installation. Emphasis is placed on job cost estimates, installation of the landscape design, and maintenance techniques. Upon completion, students should be able to read landscape design blueprints, develop cost estimates, and implement the design.

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HOR 235 Greenhouse Production 2 2 0 3
Prerequisites: None
Corequisites: None

This course covers the production of greenhouse crops. Emphasis is placed on product selection and production based on market needs and facility availability, including record keeping. Upon completion, students should be able to select and make production schedules to successfully produce greenhouse crops.

HOR 260 Plant Materials II 2 2 0 3
Prerequisites: HOR 160
Corequisites: None

This course covers important landscape plants. Emphasis is placed on identification, plant nomenclature, growth characteristics, culture requirements, and landscape uses. Upon completion, students should be able to demonstrate knowledge of the proper selection and utilization of plant materials.

HOR 271 Garden Center Mgmt 2 0 0 2
Prerequisites: None
Corequisites: None

This course covers the retail marketing of gardening products and services through mass market and independent garden centers. Topics include garden center layout, customer relations, market choice, product lines, vendors, and the relationship with the broader horticultural community. Upon completion, students should be able to demonstrate an understanding of the principles and practices of the retail garden center.

HRM 110 Intro to Hosp & Tourism 3 0 0 3
Prerequisites: None
Corequisites: None

This course covers the growth and progress of the hospitality industry. Topics include tourism, lodging, resorts, gaming, restaurants, foodservice and clubs. Upon completion, students should be able to demonstrate an understanding of the background, context, and career opportunities that exist within the hospitality industry.

HRM 115 Housekeeping 3 0 0 3
Prerequisites: None
Corequisites: HRM 115A

This course covers the scope, responsibilities, communications, terminology, materials, and concerns specific to hotel housekeeping. Topics include management and supervision of housekeeping staff in the proper cleaning and sanitation of rooms and public areas, budgeting, purchasing, security, and inventory control. Upon completion, students should be able to understand and apply the principles of organization and management of a housekeeping department

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HRM 115A Housekeeping Lab 0 2 0 1
Prerequisites: None
Corequisites: HRM 115

This course is a laboratory to accompany HRM 115. Emphasis is placed on the development of skills for the performance of housekeeping tasks. Upon completion, students should be able to demonstrate mastery of housekeeping skills.

HRM 120 Front Office Procedures 3 0 0 3
Prerequisites: None
Corequisites: HRM 120A

This course provides a systematic approach to hotel front office procedures. Topics include reservations, registration, guest satisfaction, occupancy and rate management, security, interdepartmental communications, and related guest services. Upon completion, students should be able to demonstrate a basic understanding of current front office operating systems, including efficient and courteous guest services.

HRM 120A Front Office Proced Lab 0 2 0 1
Prerequisites: None
Corequisites: HRM 120

This course is laboratory to accompany HRM 120. Emphasis is placed on practical computer applications of theory covered in HRM 120. Upon completion, students should be able to demonstrate a basic proficiency in computer-based, front office applications.

HRM 124 Guest Service Management 2 2 0 3
Prerequisites: None
Corequisites: None

This course is designed to provide an introduction to the culture of dining room service management. Emphasis is placed on the dignity and psychology of service work, dining room organization/infrastructure, service delivery, and modeling management roles in a dining room environment. Upon completion, students should be able to demonstrate an understanding of the guest/server dynamic and apply these principles in a dining room setting.

HRM 130 Bed and Breakfast Mgt. 3 0 0 3
Prerequisites: None
Corequisites: None

This course provides an overview of the management of bed and breakfast facilities. Emphasis is placed on lifestyle commitment, property needs, computer operations, business and marketing plans, customer service and facility management. Upon completion, students should be able to describe and apply the principles of management unique to the bed and breakfast industry.

HRM 135 Facilities Management 3 0 0 3
Prerequisites: None
Corequisites: None

This course introduces the basic elements of planning and designing hospitality facilities including environmental impacts, maintenance, and upkeep. Topics include equipment and plant preventive maintenance, engineering, interior design, space utilization, remodeling and expansion, and traffic and work flow patterns. Upon completion, students should be able to demonstrate an understanding of the planning, design, national certification, and maintenance of hospitality physical plants and equipment.

HRM 140 Legal Issues-Hospitality 3 0 0 3
Prerequisites: None
Corequisites: None

This course covers the rights and responsibilities that the law grants to or imposes upon the hospitality industry. Topics include federal and state regulations, historical and current practices, safety and security, risk management, loss prevention, relevant torts, and contracts. Upon completion, students should be able to demonstrate an understanding of the legal system and the concepts necessary to prevent or minimize organizational liability.

HRM 150 Hospitality Training 3 0 0 3
Prerequisites: None
Corequisites: None

This course introduces techniques and methodology involved in developing training programs. Topics include job specification, description and breakdown, training methods, coaching, evaluation, and management development. Upon completion, students should be able to produce job specifications, descriptions, and breakdowns and conduct technical training.

HRM 160 Info Systems for Hosp 2 2 0 3
Prerequisites: None
Corequisites: None

This course covers current technology and technological issues for the future as they apply to the hospitality industry. Emphasis is placed on the effect of technology on e-commerce, human resources, menu management, and hospitality management systems. Upon completion, students will be able to demonstrate competence in utilizing contemporary information application systems in a hospitality setting.

HRM 210 Meetings & Event Planning 3 0 0 3
Prerequisites: None
Corequisites: None

This course introduces concepts related to the planning and operation of conventions, trade shows, professional meetings, and foodservice events. Emphasis is placed on methods of marketing, selling, organizing, and producing conventions, events, and trade shows that will increase financial and environmental value. Upon completion, students should be able to demonstrate an understanding of management principles for multi-function, multi-day conferences and events.

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HRM 215 Restaurant Management 3 0 0 3
Prerequisites: CUL 135
Corequisites: HRM 215A

This course provides an overview of the various challenges and responsibilities encountered in managing a food and beverage operation. Topics include planning, administration, organization, accounting, marketing, and human resources from an integrated managerial viewpoint. Upon completion, students should be able to demonstrate an understanding of the operation of a restaurant.

HRM 215 A Restaurant Manage Lab 0 2 0 1
Prerequisites: CUL 135
Corequisites: HRM 215

This course is a laboratory to accompany HRM 215. Emphasis is placed on practical applications of restaurant management principles. Upon completion, students should be able to demonstrate a basic proficiency in restaurant management applications.

HRM 220 Cost Control-Food & Bev 3 0 0 3
Prerequisites: A grade of "C" or better in MAT 060 or minimum Accuplacer score of 55 on Arithmetic
Corequisites: HRM 220A

This course introduces controls and accounting procedures as applied to costs in the hospitality industry. Topics include reports, cost control, planning and forecasting, control systems, financial statements, operational efficiencies, labor controls and scheduling. Upon completion, students should be able to demonstrate an understanding of food, beverage, and labor cost control systems for operational troubleshooting and problem solving.

HRM 220A Cost Control-Food & Bev Lab 0 2 0 1
Prerequisites: None
Corequisites: HRM 220

This course provides a laboratory experience for enhancing student skills in controls and purchasing procedures as applied to costs in the hospitality industry. Emphasis is placed on practical applications of reports, cost control, planning and forecasting, control systems, financial statements, operational efficiencies, labor controls and scheduling. Upon completion, students should be able to demonstrate proficiency in computer-based control applications.

HRM 225 Beverage Management 3 0 0 3
Prerequisites: None
Corequisites: None

This course introduces the management of beverages served in hospitality operations. Topics include history and trends; service, procurement and storage; knowledge and control of wines and fermented/distilled beverages; and non-alcoholic beverages, coffees, and teas. Upon completion, students should be able to demonstrate an understanding of responsible alcohol service and the knowledge of beverages consumed in a hospitality operation.

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HRM 228 Mixology 1 4 0 3
Prerequisites: None
Corequisites: None

This course provides instruction and demonstration for the practice of bartending. Emphasis is placed on set-up, including equipment/supplies/glassware; and production/service of alcoholic beverages including, but not limited to, beer, wine, cocktails, mixed/blended drinks, and specialty products. Upon completion, students should be able to demonstrate the basics of mixing alcoholic beverages in a commercial bar, tavern or nightclub setting.

HRM 230 Club & Resort Management 3 0 0 3
Prerequisites: None
Corequisites: None

This course introduces specific principles of managing a hospitality operation in a resort or club setting. Topics include operational efficiencies, resort and club marketing, recreational and sport activity management, and retail management. Upon completion, students should be able to demonstrate an understanding of the specialized skills involved in resort and club management.

HRM 240 Marketing for Hospitality 3 0 0 3
Prerequisites: None
Corequisites: None

This course covers planning, organizing, directing, and analyzing the results of marketing programs for the hospitality industry. Emphasis is placed on target marketing, marketing mix, analysis, product and image development, use of current media, sales planning, advertising, public relations, and collateral materials. Upon completion, students should be able to apply the marketing process as it relates to the hospitality industry.

HRM 245 Human Resource Mgmt-Hosp 3 0 0 3
Prerequisites: None
Corequisites: None

This course introduces a systematic approach to human resource management in the hospitality industry. Topics include training/development, staffing, selection, hiring, recruitment, evaluation, benefit administration, employee relations, labor regulations/laws, discipline, motivation, productivity, shift management, contract employees and organizational culture. Upon completion, students should be able to apply human resource management skills for the hospitality industry.

HRM-260 Procurement for Hosp 3 0 0 3
Prerequisites: None
Corequisites: None

This course provides information for management decisions regarding needs analysis and fulfillment for hospitality operations. Emphasis is placed on supply chain sourcing, environmental impacts, procurement technologies, and packaging of products such as food, beverages, supplies, furniture, and equipment.

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Upon completion, students should be able to demonstrate competence in planning and executing the procurement function.

HRM 275 Leadership-Hospitality 3 0 0 3
Prerequisites: None
Corequisites: None

This course introduces leadership traits, styles, and the roles and responsibilities of successful hospitality leaders while developing the student?s personal leadership skills. Topics include formal and informal hospitality leadership; defining effective and ineffective leadership behavior; and leadership organizational change and planning within the hospitality industry. Upon completion, students will be able to apply appropriate leadership actions in real-world situations ranging from local to global hospitality environments.

HRM 280 Mgmt Problems-Hospitality 3 0 0 3
Prerequisites: HRM 110
Corequisites: None

This course is designed to introduce students to timely issues within the hospitality industry and is intended to move students into a managerial mindset. Emphasis is placed on problem-solving skills using currently available resources. Upon completion, students should be able to demonstrate knowledge of how hospitality management principles may be applied to real challenges facing industry managers.

HRM 285 Service Projects-Hosp 2 6 0 5
Prerequisites: None
Corequisites: None

This course introduces the application of hospitality management through engaging in community service. Emphasis is placed on problem solving skills, critical thinking, and applying academic concepts while using limited resources. Upon completion, students should be able to plan and execute hospitality-related projects that meet community needs.

HUM 110 Technology and Society 3 0 0 3
Prerequisites: Proficiency in Reading - A grade of "C" or better in ENG 095 or RED 090 OR minimum Accuplacer score of 80 on Reading
Corequisites: None

This course considers technological change from historical, artistic, and philosophical perspectives and its effect on human needs and concerns. Emphasis is placed on the causes and consequences of technological change. Upon completion, students should be able to critically evaluate the implications of technology. *This course has been approved to satisfy the Comprehensive Articulation Agreement for transferability as a pre-major and/or elective course requirement. This course may meet the SACS humanities/fine arts requirement for AA, AS, AFA, AGE, AAS, DIP, or CER programs.*

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HUM 115 Critical Thinking 3 0 0 3
Prerequisites: Proficiency in Reading AND Writing - A grade of "C" or better in ENG 095 OR a grade of "C" or better in ENG 090 AND RED 090 OR minimum Accuplacer scores of 80 on Reading and 86 on Writing
Corequisites: None

This course introduces the use of critical thinking skills in the context of human conflict. Emphasis is placed on information, problem solving, approaching cross-cultural perspectives, and resolving controversies and dilemmas. Upon completion, students should be able to demonstrate orally and in writing the use of critical thinking skills in the analysis of appropriate texts. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in humanities/fine arts. This course may meet the SACS humanities/fine arts requirement for AA, AS, AFA, AGE, AAS, DIP, or CER programs.*

HUM 120 Cultural Studies 3 0 0 3
Prerequisites: None
Corequisites: None

This course introduces the distinctive features of a particular culture. Topics include art, history, music, literature, politics, philosophy, and religion. Upon completion, students should be able to appreciate the unique character of the study culture. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in humanities/fine arts. This course may meet the SACS humanities/fine arts requirement for AA, AS, AFA, AGE, AAS, DIP, or CER programs.*

HUM 121 The Nature of America 3 0 0 3
Prerequisites: None
Corequisites: None

This course provides an interdisciplinary survey of the American cultural, social, and political experience. Emphasis is placed on the multicultural character of American society, distinctive qualities of various regions, and the American political system. Upon completion, students should be able to analyze significant cultural, social, and political aspects of American life. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in humanities/fine arts. This course may meet the SACS humanities/fine arts requirement for AA, AS, AFA, AGE, AAS, DIP, or CER programs.*

HUM 122 Southern Culture 3 0 0 3
Prerequisites: None
Corequisities: None

This course explores the major qualities that make the South a distinct region. Topics include music, politics, literature, art, religion, race relations, and the role of social class in historical and contemporary contexts. Upon completion, students should be able to identify the characteristics that distinguish Southern culture. This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in humanities/fine arts. . *This course may* *meet the SACS humanities/fine arts requirement for AA, AS, AFA, AGE, AAS, DIP, or CER programs.*

HUM 130 Myth in Human Culture 3 0 0 3
Prerequisites: Proficiency in Reading - A grade of "C" or better in ENG 095 or RED 090 OR minimum Accuplacer score of 80 on Reading
Corequisites: None

This course provides an in-depth study of myths and legends. Topics include the varied sources of myths and their influence on the individual and society within diverse cultural contexts. Upon completion, students should be able to demonstrate a general familiarity with myths and a broad-based understanding of the influence of myths and legends on modern culture. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in humanities/fine arts. This course may meet the SACS humanities/fine arts requirement for AA, AS, AFA, AGE, AAS, DIP, or CER programs.*

HUM 140 The History of Architecture 3 0 0 3
Prerequisites: None
Corequisites: None

This course covers the political and religious influences upon architecture. Topics include specific historical buildings evidencing architectural advancement, with special emphasis upon modern architecture. Upon completion, students should be able to analyze and identify significant developments in architecture. *This course has been approved to satisfy the Comprehensive Articulation Agreement for transferability as a premajor and/or elective course requirement.. This course may meet the SACS humanities/fine arts requirement for AGE, AAS, DIP, or CER programs.*

HUM 150 American Women's Studies 3 0 0 3
Prerequisites: None
Corequisites: None

This course provides an interdisciplinary study of history, literature, and social roles of reflected American women from Colonial times to the present. Emphasis is placed on women's roles as reflected in American language usage, education, law, the workplace, and mainstream culture. Upon completion, students should be able to identify and analyze the roles of women as reflected in various cultural forms. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in humanities/fine arts. This course may meet the SACS humanities/fine arts requirement for AA, AS, AFA, AGE, AAS, DIP, or CER programs.*

HUM 160 Introduction to Film 2 2 0 3
Prerequisites: Proficiency in Reading - A grade of "C" or better in ENG 095 or RED 090 OR minimum Accuplacer score of 80 on Reading
Corequisites: None

This course introduces the fundamental elements of film artistry and production. Topics include film styles, history, and production techniques, as well as the social values reflected in film art. Upon completion, students should be able to critically analyze the elements covered in relation to selected films. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in humanities/fine arts. This course may meet the SACS humanities/fine arts requirement for AA, AS, AFA, AGE, AAS, DIP, or CER programs.*

HUM 161 Advanced Film Studies 2 2 0 3
Prerequisites: HUM 160
Corequisites: None

This course provides an advanced study of film art and production, building on skills learned in HUM 160. Topics include advanced film production techniques, film genres, examination of master directors' styles, and the relation of film to culture. Upon completion, students should be able to recognize and critically analyze advanced elements of film production. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in humanities/fine arts. This course may meet the SACS humanities/fine arts requirement for AA, AS, AFA, AGE, AAS, DIP, or CER programs.*

HUM 170 The Holocaust 3 0 0 3
Prerequisites: None
Corequisites: None

This course provides a survey of the destruction of European Jewry by the Nazis during World War II. Topics include the anti-Semitic ideology, bureaucratic structures, and varying conditions of European occupation and domination under the Third Reich. Upon completion, students should be able to demonstrate an understanding of the historical, social, religious, political, and economic factors which cumulatively resulted in the Holocaust. *This course has been approved to satisfy the Comprehensive Articulation Agreement for transferability as a premajor and/or elective course requirement. This course may meet the SACS humanities/fine arts requirement for AGE, AAS, DIP, or CER programs.*

HUM 220 Human Values and Meaning 3 0 0 3
Prerequisites: ENG 111
Corequisites: None

This course presents some major dimensions of human experience as reflected in art, music, literature, philosophy, and history. Topics include the search for identity, the quest for knowledge, the need for love, the individual and society, and the meaning of life. Upon completion, students should be able to recognize interdisciplinary connections and distinguish between open and closed questions and between narrative and scientific models of understanding. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in humanities/fine arts. This course may meet the SACS humanities/fine arts requirement for AA, AS, AFA, AGE, AAS, DIP, or CER programs.*

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HUM 230 Leadership Development 0 3 0 3
Prerequisites: ENG 111
Corequisites: None

This course explores the theories and techniques of leadership and group process. Emphasis is placed on leadership styles, theories of group dynamics, and the moral and ethical responsibilities of leadership. Upon completion, students should be able to identify and analyze a personal philosophy and style of leadership and integrate these concepts in various practical situations. *This course has been approved to satisfy the Comprehensive Articulation Agreement for transferability as a pre-major and/or elective course requirement. This course may meet the SACS humanities/fine arts requirement for AGE, AAS, DIP, or CER programs.*

HYD 110 Hydraulics/Pneumatics I 2 3 0 3
Prerequisites: None
Corequisites: None

This course introduces the basic components and functions of hydraulic and pneumatic systems. Topics include standard symbols, pumps, control valves, control assemblies, actuators, Fluid Routing Lines, maintenance procedures, and switching and control devices. Upon completion, students should be able to understand the operation of a fluid power system, including design, application, and troubleshooting.

HYD 112 Hydraul/Med/Heavy Duty 1 2 0 2
Prerequisites: None
Corequisites: None

This course introduces hydraulic theory and applications as applied to mobile equipment. Topics include component studies such as pumps, motors, valves, cylinders, filters, reservoirs, lines, and fittings. Upon completion, students should be able to identify, diagnose, test, and repair hydraulic systems using schematics and technical manuals.

ISC 112 Industrial Safety 2 0 0 2
Prerequisites: None
Corequisites: None

This course introduces the principles of industrial safety. Emphasis is placed on industrial safety and OSHA and environmental regulations. Upon completion, students should be able to demonstrate knowledge of a safe working environment.

ISC 130 Intro to Quality Control 3 0 0 3
Prerequisites: None
Corequisites: None

This course introduces the philosophies, principles, and techniques of managing quality. Topics include the functions, responsibilities, structures, costs, reports, personnel, and vendor-customer relationships associated with quality control and management. Upon completion, students should be able to demonstrate an understanding of quality control and management.

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ISC 278 cGMP Quality Systems 2 0 0 2
Prerequisites: None
Corequisites: None

This course focuses on the development, implementation, and on-going maintenance of a quality system in a cGMP environment. Topics include the cGMP standard, components of cGMP quality systems, quality function roles and training, development of documentation such as SOPs, and system review procedures. Upon completion, the student should be able to identify the components of a quality system and develop a quality system manual utilizing the cGMP standard.

ITN 130 Web Site Management 2 2 0 3
Prerequisites: None
Corequisites: None

This course covers the issues involved in web site architecture. Topics include operating system directory structures, web site structural design, web site navigation, web site maintenance, backup and security. Upon completion, students should be able to design a web site directory plan optimized for navigation and ease of maintenance.

ITN 160 Principles of Web Design 2 2 0 3
Prerequisites: None
Corequisites: None

This course introduces intermediate to advanced web page design techniques. Topics include effective use of graphics, fonts, colors, navigation tools, advanced markup language elements, as well as a study of bad design techniques. Upon completion, the student should be able to employ advanced design techniques to create high impact and highly functional web pages.

JOU 110 Intro to Journalism 3 0 0 3
Prerequisites: Proficiency in Reading AND Writing - A grade of "C" or better in ENG 095 OR a grade of "C" or better in ENG 090 AND RED 090 OR minimum Accuplacer scores of 80 on Reading and 86 on Writing
Corequisites: None

This course presents a study of journalistic news, feature, and sports writing. Emphasis is placed on basic news writing techniques and on related legal and ethical issues. Upon completion, students should be able to gather, write, and edit news, feature, and sports articles. *This course has been approved to satisfy the Comprehensive Articulation Agreement pre-major and/or elective course requirement.*

JOU 217 Feature/Editorial Writing 2 2 0 3
Prerequisites: ENG 111 and JOU 110
Corequisites: None

This course covers the basics of persuasive writing for community newspapers and other print media. Emphasis is placed on writing features, reviews, and editorials including audience analysis, appropriate language, effective supporting details, completeness, and accuracy. Upon completion, students should be able to write effective feature stories, reviews, and editorials.

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This course has been approved to satisfy the Comprehensive Articulation Agreement for transferability as a premajor and/or elective course requirement.

LEX 110 Intro to Paralegal Study 2 0 0 2
Prerequisites: None
Corequisites: None

This course introduces the paralegal profession and the legal system. Topics include regulations and concepts, ethics, case analysis, legal reasoning, career opportunities, certification, professional organizations, and other related topics. Upon completion, students should be able to explain the role of the paralegal and identify the skills, knowledge, and ethics required of legal assistants.

LEX 120 Legal Research/Writing I 2 2 0 3
Prerequisites: None
Corequisites: None

This course introduces the techniques of legal research and writing. Emphasis is placed on locating, analyzing, applying, and updating sources of law; effective legal writing, including proper citation; and the use of electronic research methods. Upon completion, students should be able to perform legal research and writing assignments using techniques covered in the course.

LEX 121 Legal Research/Writing II 2 2 0 3
Prerequisites: LEX 120
Corequisites: None

This course covers advanced topics in legal research and writing. Topics include more complex legal issues and assignments involving preparation of legal memos, briefs, and other documents and the advanced use of electronic research methods. Upon completion, students should be able to perform legal research and writing assignments using techniques covered in the course.

LEX 130 Civil Injuries 3 0 0 3
Prerequisites: None
Corequisites: None

This course covers traditional tort concepts and the evolving body of individual rights created by statute. Topics include intentional and non-intentional torts with emphasis on negligence, strict liability, civil rights, workplace and environmental liability, remedies, and damages. Upon completion, students should be able to recognize, explain, and evaluate elements of civil injuries and related defenses.

LEX 140 Civil Litigation I 3 0 0 3
Prerequisites: None
Corequisites: None

This course introduces the structure of the legal system and the rules governing civil litigation. Topics include jurisdiction state and federal rules of civil procedure and evidence. Upon completion, students should be able to assist an attorney in pre-litigation matters and preparation of pleadings and motions.

Class Lab Clinical Credit

LEX 150 Commercial Law I 2 2 0 3
Prerequisites: None
Corequisites: None

This course covers legally enforceable agreements, forms of organization, and selected portions of the Uniform Commercial Code. Topics include drafting and enforcement of contracts, leases, and related documents and selection and implementation of business organization forms, sales, and commercial papers. Upon completion, students should be able to apply the elements of a contract, prepare various business documents, and understand the role of commercial paper.

LEX 151 Commercial Law II 3 0 0 3
Prerequisites: LEX 150
Corequisites: None

This course is a continuation of LEX 150 and covers advanced topics in Business and Commercial Law. Topics include agency and employment, insurance, computer law, intellectual property, personal property and bailment, corporate organizations and bankruptcy. Upon completion, students will understand and be able to apply legal principles governing these topics and be able to draft a variety of financial instruments.

LEX 160 Criminal Law & Procedure 2 2 0 3
Prerequisites: None
Corequisites: None

This course introduces substantive criminal law and procedural rights of the accused. Topics include elements of state/federal crimes, defenses, constitutional issues, pre-trial and trial process, and other related topics. Upon completion, students should be able to explain elements of specific crimes and assist an attorney in preparing a criminal case.

LEX 170 Administrative Law 2 0 0 2
Prerequisites: None
Corequisites: None

This course covers the scope, authority, and regulatory operations of various federal, state, and local administrative agencies. Topics include social security, worker's compensation, unemployment, zoning, and other related topics. Upon completion, students should be able to research sources of administrative law, investigate, and assist in representation of clients before administrative agencies.

LEX 210 Real Property I 3 0 0 3
Prerequisites: None
Corequisites: None

This course introduces the study of real property law. Topics include the distinction between real and personal property, various estates, mechanics of conveyance and encumbrance, recordation, special proceedings, and other related topics. Upon completion, students should be able to identify estates, forms of deeds, requirements for recording, and procedures to enforce rights to real property.

Class Lab Clinical Credit

LEX 211 Real Property II 1 4 0 3
Prerequisites: LEX 210
Corequisites: None

This course continues the study of real property law relating to title examination and preparation of closing documents. Topics include use of courthouse and other public records in title examination and preparation of documents required in real estate transactions and closings. Upon completion, students should be able to plot/draft a description, perform complete title examination, draft closing documents including title insurance forms, and prepare disbursement reconciliation.

LEX 214 Investigat & Trial Prep 1 4 0 3
Prerequisites: None
Corequisites: None

This course introduces the fundamentals of investigation. Topics include compiling/assembling data for cases; investigative planning/information gathering techniques; locating/interviewing witnesses; collection/preserving/evaluating sufficiency/admissibility of evidence; preparation of reports; and evidence presentation at depositions/court proceeding. Upon completion, students should be able to plan/use investigative checklists, understand/demonstrate investigative techniques, prepare reports, and enhance verbal and interpersonal communications skills and interviewing techniques.

LEX 240 Family Law 3 0 0 3
Prerequisites: None
Corequisites: None

This course covers laws governing domestic relations. Topics include marriage, separation, divorce, child custody, support, property division, adoption, domestic violence, and other related topics. Upon completion, students should be able to interview clients, gather information, and draft documents related to family law.

LEX 250 Wills, Estates, & Trusts 2 2 0 3
Prerequisites: None
Corequisites: None

This course covers various types of wills, trusts, probate, estate administration, and intestacy. Topics include types of wills and execution requirements, caveats and dissents, intestate succession, inventories and accountings, distribution and settlement, and other related topics. Upon completion, students should be able to draft simple wills, prepare estate forms, understand administration of estates including taxation, and explain terms regarding trusts.

LEX 260 Bankruptcy & Collections 3 0 0 3
Prerequisites: None
Corequisites: None

This course provides an overview of the laws of bankruptcy and the rights of creditors and debtors. Topics include bankruptcy procedures and estate management, attachment, claim and delivery, repossession, foreclosure, collection, garnishment, and post-judgment collection procedure. Upon completion, students should be able to prepare and file bankruptcy forms, collection letters, statutory liens, and collection of judgments.

Class Lab Clinical Credit

LEX 270 Law Office Mgt/Technology 1 2 0 2
Prerequisites: None
Corequisites: None

This course provides an overview of law office management and organization. Topics include office forms, filing systems, billing/time keeping, computer systems, calendar systems, library administration, case management, office/personnel procedures, ethics, and technology. Upon completion, students should be able to set up and maintain various law office systems, monitor case progress, and supervise non-lawyer personnel.

LEX 271 Law Office Writing 1 2 0 2
Prerequisites: None
Corequisites: None

This course covers the basics of writing for the law office including the drafting of general correspondence, the briefing of cases, and the preparation of settlement brochures. Emphasis is placed on legal vocabulary in the context of letter writing, briefing judicial opinions, and the preparation of the settlement brochure. Upon completion, students should be able to draft letters to clients, opposing counsel, government entities, and insurance companies and prepare the settlement brochure.

LEX 280 Ethics & Professionalism 2 0 0 2
Prerequisites: None
Corequisites: None

This course reinforces legal ethics and the role of the paralegal in a professional work environment. Topics include a review of ethics, employment opportunities, and search techniques; paralegal certification; and other related topics. Upon completion, students should be able to understand the paralegal's role in the ethical practice of law.

LEX 287 CLA Review Seminar 2 0 0 2
Prerequisites: LEX 210, LEX 211
Corequisites: None

This course is designed to prepare students for voluntary national certification sponsored by the National Association of Legal Assistants to demonstrate significant competencies in paralegalism. Topics include Communications, Ethics, Human Relations, Interviewing Techniques, Judgment and Analytical Analysis, Legal Research, Legal Terminology, General Law and nine tested specialty areas of law. Upon completion, students should be able to demonstrate that they are eligible to take the NALA's Certified Legal Assistant Exam.

LEX 289 U.S. Constitutional Law 2 2 0 3
Prerequisites: LEX 110, LEX 120, and LEX 140
Corequisites: None

This course covers the creation, content, and interpretation of the Constitution of the United States and its amendments as it relates to civil law and practice. Topics include constitutional formation, structure, court interpretation and the implication of legal decision for legal practitioners. Upon completion,

Class Lab Clinical Credit

students should be able to discuss the formation of the Constitution, its interpretation and application to the practice of civil law.

LSG 111 Basic Landscape Tech 2 0 0 2
Prerequisites: None
Corequisites: LSG 121 or LSG 122 or LSG 123

This course introduces basic principles essential to landscape gardening. Topics include soils, propagation, watering, fertilizing, pruning, pest control, and planting. Upon completion, students should be able to perform basic gardening techniques essential to maintaining a landscape.

LSG 121 Fall Gardening Lab 0 6 0 2
Prerequisites: None
Corequisites: LSG 111

This course provides basic hands-on experience in fall gardening techniques. Emphasis is placed on pruning, irrigation, planting, fertilizing, pest control, equipment operation, and turf maintenance. Upon completion, students should be able to perform various techniques essential to maintaining the fall landscape.

LSG 122 Spring Gardening Lab 0 6 0 2
Prerequisites: None
Corequisites: None

This course provides familiarization with basic gardening techniques by performing practical hands-on exercises required for the spring season. Emphasis is placed on pruning, irrigation, planting, fertilizing, pest control, equipment operation, turf maintenance, and landscape construction. Upon completion, students should be able to satisfactorily perform various practices essential to maintaining the landscape in the spring season.

LSG 123 Summer Gardening Lab 0 6 0 2
Prerequisites: None
Corequisites: None

This course provides basic hands-on experience in summer gardening techniques. Emphasis is placed on pruning, irrigation, planting, fertilizing, pest control, equipment operation, turf maintenance, landscape construction, and maintaining fruits and vegetables. Upon completion, students should be able to perform various techniques essential to maintaining the summer landscape.

LSG 231 Landscape Supervision 2 6 0 4
Prerequisites: LSG 123 and HOR 260
Corequisites: None

This course provides experience in planning, implementing, and supervising various landscape management projects. Emphasis is placed on supervisory skills, organizing, and scheduling. Upon completion, students should be able to supervise employees in various landscape management jobs.

Class Lab Clinical Credit

LSG 232 Garden Management 1 2 0 2
Prerequisites: LSG 123 and HOR 260
Corequisites: None

This course covers the implementation of knowledge gained in previous landscape gardening courses. Emphasis is placed on scheduling, designing, renovation, and plant management. Upon completion, students should be able to collate the material learned in the Landscape Gardening curriculum and apply it to various landscape gardening situations.

MAC 111 Machining Technology I 2 12 0 6
Prerequisites: None
Corequisites: None

This course introduces machining operations as they relate to the metalworking industry. Topics include machine shop safety, measuring tools, lathes, drilling machines, saws, milling machines, bench grinders, and layout instruments. Upon completion, students should be able to safely perform the basic operations of measuring, layout, drilling, sawing, turning, and milling.

MAC 112 Machining Technology II 2 12 0 6
Prerequisites: MAC 111
Corequisites: None

This course provides additional instruction and practice in the use of precision measuring tools, lathes, milling machines, and grinders. Emphasis is placed on setup and operation of machine tools including the selection and use of work holding devices, speeds, feeds, cutting tools, and coolants. Upon completion, students should be able to perform basic procedures on precision grinders and advanced operations of measuring, layout, drilling, sawing, turning, and milling.

MAC 113 Machining Technology III 2 12 0 6
Prerequisites: MAC 112 and MEC 231
Corequisites: None

This course provides an introduction to advanced and special machining operations. Emphasis is placed on working to specified tolerances with special and advanced setups. Upon completion, students should be able to produce a part to specifications. This class will also incorporate practical applications of computer numerical control programming and operations.

MAC 121 Intro to CNC 2 0 0 2
Prerequisites: None
Corequisites: None

This course introduces the concepts and capabilities of computer numerical control machine tools. Topics include setup, operation, and basic applications. Upon completion, students should be able to explain operator safety, machine protection, data input, program preparation, and program storage.

	Class	Lab	Clinical	Credit
MAC 122 CNC Turning	1	3	0	2

Prerequisites: MAC 124
Corequisites: None

This course introduces the programming, setup, and operation of CNC turning centers. Topics include programming formats, control functions, program editing, part production, and inspection. Upon completion, students should be able to manufacture simple parts using CNC turning centers.

	Class	Lab	Clinical	Credit
MAC 124 CNC Milling	1	3	0	2

Prerequisites: MAC 111 and MAC 121 or MEC 111
Corequisites: None

This course introduces the manual programming, setup, and operation of CNC machining centers. Topics include programming formats, control functions, program editing, part production, and inspection. Upon completion, students should be able to manufacture simple parts using CNC machining centers.

	Class	Lab	Clinical	Credit
MAC 131 Blueprint Reading/Mach I	1	2	0	2

Prerequisites: None
Corequisites: None

This course covers the basic principles of blueprint reading and sketching. Topics include multi-view drawings; interpretation of conventional lines; and dimensions, notes, and thread notations. Upon completion, students should be able to interpret basic drawings, visualize parts, and make pictorial sketches.

	Class	Lab	Clinical	Credit
MAC 132 Blueprint Reading/Mach II	1	2	0	2

Prerequisites: MAC 131
Corequisites: None

This course introduces more complex industrial blueprints. Emphasis is placed on auxiliary views, section views, violations of true projection, special views, applications of GD & T, and interpretation of complex parts. Upon completion, students should be able to read and interpret complex industrial blueprints.

	Class	Lab	Clinical	Credit
MAC 152 Adv Machining Calc	1	2	0	2

Prerequisites: MAT 120
Corequisites: None

This course combines mathematical functions with practical machine shop applications and problems. Emphasis is placed on gear ratios, lead screws, indexing problems, and their applications in the machine shop. Upon completion, students should be able to calculate solutions to machining problems. Additionally, practical applications of right triangle trigonometry will be covered.

	Class	Lab	Clinical	Credit
MAC 222 Advanced CNC Turning	1	3	0	2

Prerequisites: MAC 122
Corequisites: None

This course covers advanced methods in setup and operation of CNC turning centers. Emphasis is placed on programming and production of complex parts. Upon completion, students should be able to demonstrate skills in programming, operations, and setup of CNC turning centers.

	Class	Lab	Clinical	Credit
MAC 224 Advanced CNC Milling	1	3	0	2

Prerequisites: MAC 124
Corequisites: None

This course covers advanced methods in setup and operation of CNC machining centers. Emphasis is placed on programming and production of complex parts. Upon completion, students should be able to demonstrate skills in programming, operations, and setup of CNC machining centers.

	Class	Lab	Clinical	Credit
MAC 233 Appl in CNC Machining	2	1	2	6

Prerequisites: MAC 113, MAC 224 and MEC 232
Corequisites: MAC 222

This capstone course provides students the opportunity to apply skills learned throughout the curriculum. Emphasis is placed on production of parts and assemblies using modern CNC machine tools. Upon completion, students should be able to manufacture complex parts using a variety of CNC machine tools.

	Class	Lab	Clinical	Credit
MAC 241 Jigs & Fixtures I	2	6	0	4

Prerequisites: MAC 112 and MEC 231
Corequisites: None

This course introduces the application and use of jigs and fixtures. Emphasis is placed on design and manufacture of simple jigs and fixtures. Upon completion, students should be able to design and build simple jigs and fixtures. Additionally, computer aided manufacturing software, along with computer controlled machine tools will be used in order to design and manufacture jigs and fixtures.

	Class	Lab	Clinical	Credit
MAC 242 Jigs & Fixtures II	1	9	0	4

Prerequisites: MAC 241
Corequisites: None

This course provides continued study in the application of jigs and fixtures. Emphasis is placed on design and manufacture of complex jigs and fixtures. Upon completion, students should be able to design and build complex jigs and fixtures. Additionally, computer aided manufacturing software, along with computer controlled machine tools, will be used in order to design and manufacture jigs and fixtures.

	Class	Lab	Clinical	Credit
MAT 060 Essential Mathematics	3	2	0	4

Prerequisites: An Accuplacer score of 29-54 on Arithmetic OR a grade of "C" or better in MAT 050.
Corequisites: None

This course is a comprehensive study of mathematical skills which should provide a strong mathematical foundation to pursue further study. Topics include principles and applications of decimals, fractions, percents, ratio and proportion, order of operations, geometry, measurement, and elements of algebra and statistics. Upon completion, students should be able to perform basic computations and solve relevant, multi-step mathematical problems using technology where appropriate. A grade of "C" or better is required for satisfactory completion of this course.

Class Lab Clinical Credit

MAT 070 Introductory Algebra 3 2 0 4

Prerequisites: a. Proficiency in Arithmetic (minimum Accuplacer score of 55 on Arithmetic OR a grade of “C” or better in MAT 060)
b. Accuplacer score of 20-54 on Elementary Algebra)

Corequisites: RED 080 or ENG 085

This course establishes a foundation in algebraic concepts and problem solving. Topics include signed numbers, exponents, order of operations, simplifying expressions, solving linear equations and inequalities, graphing, formulas, polynomials, factoring, and elements of geometry. Upon completions, students should be able to apply the above concepts in problem solving using appropriate technology. *A grade of “C” or better is required for satisfactory completion of this course.*

MAT 080 Intermediate Algebra 3 2 0 4

Prerequisites: a. Proficiency in Numerical/Arithmetic Skills (minimum Accuplacer score of 55 on Arithmetic OR a grade of “C” or better in MAT 060)
b. Proficiency in Elementary Algebra (Accuplacer score of 55-74 on Elementary Algebra OR a grade of “C” or better in MAT 070)

Corequisites: RED 080 or ENG 085

This course continues the study of algebraic concepts with emphasis on applications. Topics include factoring; rational expressions; rational exponents; rational, radical, and quadratic equations; systems of equations; inequalities; graphing; functions; variations; complex numbers; and elements of geometry. Upon completion, students should be able to apply the above concepts in problem solving using appropriate technology. *A grade of “C” or better is required for satisfactory completion of this course.*

MAT 101 Applied Mathematics I 2 2 0 3

Prerequisites: A grade of “C” or better in MAT 060 or minimum Accuplacer score of 55 on Arithmetic

Corequisites: None

This course is a comprehensive review of arithmetic with basic algebra designed to meet the needs of certificate and diploma programs. Topics include arithmetic and geometric skills used in measurement, ratio and proportion, exponents and roots, applications of percent, linear equations, formulas, and statistics. Upon completion, students should be able to solve practical problems in their specific areas of study. *This course may meet the SACS mathematics requirement for DIP and CER degree programs.*

Class Lab Clinical Credit

MAT 115 Mathematical Models 2 2 0 3

Prerequisites: Proficiency in Arithmetic Skills AND Elementary Algebra
a. A grade of “C” or better in MAT 060 or minimum Accuplacer score of 55 on Arithmetic
b. Proficiency in Elementary Algebra. A grade of “C” or better in MAT 070 or MAT 080 or MAT 090 or MAT 095 OR successful completion of one of the following: MAT 120 or MAT 121 or MAT 161 or MAT 171 or MAT 175) OR a minimum Accuplacer score of 55 on Elementary Algebra.

Corequisites: None

This course develops the ability to utilize mathematical skills and technology to solve problems at a level found in non-mathematics-intensive programs. Topics include applications to percent, ratio and proportion, formulas, statistics, functional notation, linear functions and their groups, probability, sampling techniques, scatter plots, and modeling. Upon completion, students should be able to solve practical problems, reason and communicate with mathematics, and work confidently, collaboratively, and independently. *This course may meet the SACS mathematics requirement for AGE, AAS, DIP, or CER programs.*

MAT 120 Geometry and Trigonometry 2 2 0 3

Prerequisites: Proficiency in Arithmetic Skills AND Elementary Algebra
a. A grade of “C” or better in MAT 060 or minimum Accuplacer score of 55 on Arithmetic
b. Proficiency in Elementary Algebra. A grade of “C” or better in MAT 070 or MAT 080 or MAT 090 or MAT 095 OR successful completion of one of the following: MAT 120 or MAT 121 or MAT 161 or MAT 171 or MAT 175) OR a minimum Accuplacer score of 55 on Elementary Algebra.

Corequisites: None

This course introduces the concepts of plane trigonometry and geometry with emphasis on applications to problem solving. Topics include the basic definitions and properties of plane and solid geometry, area and volume, right triangle trigonometry, and oblique triangles. Upon completion, students should be able to solve applied problems both independently and collaboratively using technology. *This course may meet the SACS mathematics requirement for AGE, AAS, DIP, or CER programs.*

Class Lab Clinical Credit

MAT 121 Algebra/Trigonometry I 2 2 0 3
Prerequisites: Proficiency in Arithmetic Skills AND Elementary Algebra
a. A grade of "C" or better in MAT 060 or minimum Accuplacer score of 55 on Arithmetic
b. Proficiency in Elementary Algebra. A grade of "C" or better in MAT 070 or MAT 080 or MAT 090 or MAT 095 OR successful completion of one of the following: MAT 120 or MAT 121 or MAT 161 or MAT 171 or MAT 175) OR a minimum Accuplacer score of 55 on Elementary Algebra.
Corequisites: None

This course provides an integrated approach to technology and the skills required to manipulate, display, and interpret mathematical functions and formulas used in problem solving. Topics include simplification, evaluation, and solving of algebraic and radical functions; complex numbers; right triangle trigonometry; systems of equations; and the use of technology. Upon completion, students should be able to demonstrate an understanding of the use of mathematics and technology to solve problems and analyze and communicate results. *This course may meet the SACS mathematics requirement for AGE, AAS, DIP, or CER programs.*

MAT 122 Algebra/Trigonometry II 2 2 0 3
Prerequisites: MAT 121 or MAT 161 or MAT 171 or MAT 175
Corequisites: None

This course extends the concepts covered in MAT 121 to include additional topics in algebra, function analysis, trigonometry, and systems of equations. Topics include translation and scaling of functions, Sine Law, Cosine Law, complex numbers, vectors, statistics, and systems of equations. Upon completion, students should be able to demonstrate an understanding of the use of technology to solve problems and to analyze and communicate results. *This course may meet the SACS mathematics requirement for AGE, AAS, DIP, or CER programs.*

MAT 140 Survey of Mathematics 3 0 0 3
Prerequisites: Proficiency in Arithmetic Skills AND Elementary Algebra
a. A grade of "C" or better in MAT 060 or minimum Accuplacer score of 55 on Arithmetic
b. Proficiency in Elementary Algebra. A grade of "C" or better in MAT 070 or MAT 080 or MAT 090 or MAT 095 OR successful completion of one of the following: MAT 120 or MAT 121 or MAT 161 or MAT 171 or MAT 175) OR a minimum Accuplacer score of 55 on Elementary Algebra.
Corequisites: MAT 140A

This course provides an introduction in a non-technical setting to selected topics in mathematics. Topics may include, but are not limited to, sets, logic, probability, statistics, matrices, mathematical systems, geometry, topology, mathematics of finance, and modeling. Upon completion, students should be able to understand a variety of mathematical applications, think logically, and be able to work collaboratively and independently. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in natural sciences/mathematics. This course may meet the SACS mathematics requirement for AA, AS, AFA, AGE, AAS, DIP, or CER programs.*

Class Lab Clinical Credit

MAT 140A Survey of Math Lab 0 2 0 1
Prerequisites: Proficiency in Arithmetic Skills AND Elementary Algebra
a. A grade of "C" or better in MAT 060 or minimum Accuplacer score of 55 on Arithmetic
b. Proficiency in Elementary Algebra. A grade of "C" or better in MAT 070 or MAT 080 or MAT 090 or MAT 095 OR successful completion of one of the following: MAT 120 or MAT 121 or MAT 161 or MAT 171 or MAT 175) OR a minimum Accuplacer score of 55 on Elementary Algebra.
Corequisites: MAT 140

This course is a laboratory for MAT 140. Emphasis is placed on experiences that enhance the materials presented in the class. Upon completion, students should be able to solve problems, apply critical thinking, work in teams, and communicate effectively. *This course has been approved to satisfy the Comprehensive Articulation Agreement for transferability as a premajor and/or elective course requirement. This course may meet the SACS mathematics requirement for AGE, AAS, DIP, or CER programs.*

MAT 141 Mathematical Concepts I 3 0 0 3
Prerequisites: Proficiency in Arithmetic Skills AND Proficiency in Intermediate Algebra
a. A grade of "C" or better in MAT 060 or minimum Accuplacer score of 55 on Arithmetic
b. Proficiency in Intermediate Algebra. A grade of "C" or better in MAT 080 or MAT 090 or MAT 095 OR successful completion of one of the following: MAT 120 or MAT 121 or MAT 161 or MAT 171 or MAT 175) OR a minimum Accuplacer score of 75 on Elementary Algebra
Corequisites: MAT 141A

This course is the first of a two-course sequence that develops a deeper understanding and appreciation of the basic concepts of mathematics. Emphasis is placed on sets, logic, number bases, elementary number theory, introductory algebra, measurement including metrics, and problem solving. Upon completion, students should be able to communicate orally and in writing these basic mathematical concepts. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in natural sciences/mathematics. This course may meet the SACS mathematics requirement for AA, AGE, AAS, DIP, or CER programs.*

Class Lab Clinical Credit

MAT 141A Mathematical Concepts I Lab 0 2 0 1

Prerequisites: Proficiency in Arithmetic Skills AND Proficiency in Intermediate Algebra
a. A grade of "C" or better in MAT 060 or minimum Accuplacer score of 55 on Arithmetic
b. Proficiency in Intermediate Algebra. A grade of "C" or better in MAT 080 or MAT 090 or MAT 095 OR successful completion of one of the following: MAT 120 or MAT 121 or MAT 161 or MAT 171 or MAT 175) OR a minimum Accuplacer score of 75 on Elementary Algebra
Corequisites: MAT 141

This course is a laboratory for MAT 141. Emphasis is placed on experiences that enhance the materials presented in the class. Upon completion, students should be able to solve problems, apply critical thinking, work in teams, and communicate effectively. *This course has been approved to satisfy the Comprehensive Articulation Agreement for transferability as a pre-major and/or elective course requirement. This course may meet the SACS mathematics requirement for AGE, AAS, DIP, or CER programs.*

MAT 142 Mathematical Concepts II 3 0 0 3

Prerequisites: MAT 141
Corequisites: MAT 142A

This course is the second of a two-course sequence that develops a deeper understanding and appreciation of the basic concepts of mathematics. Emphasis is placed on probability, statistics, functions, introductory geometry, and mathematics of finance. Upon completion, students should be able to communicate orally and in writing these basic mathematical concepts and utilize technology as a mathematical tool. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in natural sciences/ mathematics. This course may meet the SACS mathematics requirement for AA, AGE, AAS, DIP, or CER programs.*

MAT 142A Mathematical Concepts II Lab 0 2 0 1

Prerequisites: MAT 141
Corequisites: MAT 142

This course is a laboratory for MAT 142. Emphasis is placed on experiences that enhance the materials presented in the class. Upon completion, students should be able to solve problems, apply critical thinking, work in teams, and communicate effectively. *This course has been approved to satisfy the Comprehensive Articulation Agreement for transferability as a pre-major and/or elective course requirement. This course may meet the SACS mathematics requirement for AGE, AAS, DIP, or CER programs.*

Class Lab Clinical Credit

MAT 155 Statistical Analysis 3 0 0 3

Prerequisites: Proficiency in Reading AND Proficiency in Arithmetic Skills AND Proficiency in Intermediate Algebra
a. A grade of "C" or better in ENG 095 or RED 090 OR minimum Accuplacer score of 80 on Reading
b. A grade of "C" or better in MAT 060 or minimum Accuplacer score of 55 on Arithmetic
c. Proficiency in Intermediate Algebra. A grade of "C" or better in MAT 080 or MAT 090 or MAT 095 OR successful completion of one of the following: MAT 120 or MAT 121 or MAT 161 or MAT 171 or MAT 175) OR a minimum Accuplacer score of 75 on Elementary Algebra
Corequisite: MAT 155A

This course is an introduction to descriptive and inferential statistics. Topics include sampling, distributions, plotting data, central tendency, dispersion, Central Limits Theorem, confidence intervals, hypothesis testing, correlations, regressions, and multinomial experiments. Upon completion students should be able to describe data and test inferences about populations using sampling data. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in natural science/mathematics. This course may meet the SACS mathematics requirement for AA, AS, AFA, AGE, AAS, DIP, or CER programs.*

MAT 155A Statistics Analysis Lab 0 2 0 1

Prerequisites: Proficiency in Reading AND Proficiency in Arithmetic Skills AND Proficiency in Intermediate Algebra
a. A grade of "C" or better in ENG 095 or RED 090 OR minimum Accuplacer score of 80 on Reading
b. A grade of "C" or better in MAT 060 or minimum Accuplacer score of 55 on Arithmetic
c. Proficiency in Intermediate Algebra. A grade of "C" or better in MAT 080 or MAT 090 or MAT 095 OR successful completion of one of the following: MAT 120 or MAT 121 or MAT 161 or MAT 171 or MAT 175) OR a minimum Accuplacer score of 75 on Elementary Algebra
Corequisite: MAT 155

This course is a laboratory for MAT 155. Emphasis is placed on experiences that enhance the materials presented in the class. Upon completion, students should be able to solve problems, apply critical thinking, work in teams, and communicate effectively. *This course has been approved to transfer under the Comprehensive Articulation Agreement as a pre-major and/or elective course requirement.*

Class Lab Clinical Credit

MAT 171 Precalculus Algebra 3 0 0 3
Prerequisites: Proficiency in Arithmetic Skills AND Proficiency in Intermediate Algebra
a. A grade of "C" or better in MAT 060 or minimum Accuplacer score of 55 on Arithmetic
b. Proficiency in Intermediate Algebra. A grade of "C" or better in MAT 080 or MAT 090 or MAT 095 OR successful completion of MAT 161 OR a minimum Accuplacer score of 75 on Elementary Algebra
Corequisites: MAT 171A

This is the first of two courses designed to emphasize topics which are fundamental to the study of calculus. Emphasis is placed on equations and inequalities, functions (linear, polynomial, rational), systems of equations and inequalities, and parametric equations. Upon completion, students should be able to solve practical problems and use appropriate models for analysis and predictions. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in natural sciences/mathematics. This course may meet the SACS mathematics requirement for AA, AS, AFA, AGE, AAS, DIP, or CER programs.*

MAT 171A Precalculus Algebra Lab 0 2 0 1
Prerequisites: Proficiency in Arithmetic Skills AND Proficiency in Intermediate Algebra
a. A grade of "C" or better in MAT 060 or minimum Accuplacer score of 55 on Arithmetic
b. Proficiency in Intermediate Algebra. A grade of "C" or better in MAT 080 or MAT 090 or MAT 095 OR successful completion of MAT 161 OR a minimum Accuplacer score of 75 on Elementary Algebra
Corequisites: MAT 171A

This course is a laboratory for MAT 171. Emphasis is placed on experiences that enhance the materials presented in the class. Upon completion, students should be able to solve problems, apply critical thinking, work in teams, and communicate effectively. *This course has been approved to satisfy the Comprehensive Articulation Agreement for transferability as a pre-major and/or elective course requirement. This course may meet the SACS mathematics requirement for AGE, AAS, DIP, or CER programs.*

MAT 172 Precalculus Trigonometry 3 0 0 3
Prerequisites: MAT 171
Corequisites: MAT 172A

This is the second of two courses designed to emphasize topics which are fundamental to the study of calculus. Emphasis is placed on properties and applications of transcendental functions and their graphs, right and oblique triangle trigonometry, conic sections, vectors and polar coordinates. Upon completion, students should be able to solve practical problems and use appropriate models for analysis and prediction. *This course has been approved to satisfy the Comprehensive Articulation Agreement for transferability as a pre-major and/or elective course requirement. This course may meet the SACS mathematics requirement for AA, AS, AFA, AGE, AAS, DIP, or CER programs.*

Class Lab Clinical Credit

MAT 172A Precalculus Trig Lab 0 2 0 1
Prerequisites: MAT 171
Corequisites: MAT 172

This course is a laboratory for MAT 172. Emphasis is placed on experiences that enhance the materials presented in the class. Upon completion, students should be able to solve problems, apply critical thinking, work in teams, and communicate effectively. *This course has been approved to satisfy the Comprehensive Articulation Agreement for transferability as a pre-major and/or elective course requirement. This course may meet the SACS mathematics requirement for AGE, AAS, DIP, or CER programs.*

MAT 175 Precalculus 4 0 0 4
Prerequisites: Proficiency in Arithmetic Skills AND Proficiency in Intermediate Algebra
a. A grade of "C" or better in MAT 060 or minimum Accuplacer score of 55 on Arithmetic
b. Proficiency in Intermediate Algebra. A grade of "C" or better in MAT 080 or MAT 090 or MAT 095 OR successful completion of MAT 161 OR a minimum Accuplacer score of 75 on Elementary Algebra
Corequisites: MAT 175A

This course provides an intense study of the topics which are fundamental to the study of calculus. Emphasis is placed on functions and their graphs with special attention to polynomial, rational, exponential, logarithmic and trigonometric functions, and analytic trigonometry. Upon completion, students should be able to solve practical problems and use appropriate models for analysis and prediction. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in natural sciences/mathematics. This course may meet the SACS mathematics requirement for AA, AS, AFA, AGE, AAS, DIP, or CER programs.*

(It is recommended that students take high school Algebra III/Trigonometry or its equivalent before they enroll in MAT 175.)

MAT 175A Precalculus Lab 0 2 0 1
Prerequisites: Proficiency in Arithmetic Skills AND Proficiency in Intermediate Algebra
a. A grade of "C" or better in MAT 060 or minimum Accuplacer score of 55 on Arithmetic
b. Proficiency in Intermediate Algebra. A grade of "C" or better in MAT 080 or MAT 090 or MAT 095 OR successful completion of MAT 161 OR a minimum Accuplacer score of 75 on Elementary Algebra
Corequisites: MAT 175

This course is a laboratory for MAT 175. Emphasis is placed on experiences that enhance the materials presented in the class. Upon completion, students should be able to solve problems, apply critical thinking, work in teams, and communicate effectively. *This course has been approved to satisfy the Comprehensive Articulation Agreement for transferability as a premajor and/or elective course requirement. This course may meet the SACS mathematics requirement for AGE, AAS, DIP, or CER programs.*

Class Lab Clinical Credit

MAT 263 Brief Calculus 3 0 0 3
Prerequisites: MAT 161 or MAT 171 or MAT 175
Corequisites: MAT 263A

This course is designed for students needing only one semester of calculus. Topics include functions, graphing, differentiation, and integration with emphasis on applications drawn from business, economics, and biological and behavioral sciences. Upon completion, students should be able to demonstrate an understanding of the use of basic calculus and technology to solve problems and to analyze and communicate results. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in natural sciences/mathematics. This course may meet the SACS mathematics requirement for AA, AS, AFA, AGE, AAS, DIP, or CER programs.*

MAT 263A Brief Calculus Lab 0 2 0 1
Prerequisites: MAT 161 or MAT 171 or MAT 175
Corequisites: MAT 263

This course is a laboratory for MAT 263. Emphasis is placed on experiences that enhance the materials presented in the class. Upon completion, students should be able to solve problems, apply critical thinking, work in teams, and communicate effectively. *This course has been approved to satisfy the Comprehensive Articulation Agreement for transferability as a pre-major and/or elective course requirement.*

MAT 271 Calculus I 3 2 0 4
Prerequisites: MAT 172 or MAT 175
Corequisites: None

This course covers in depth the differential calculus portion of a three-course calculus sequence. Topics include limits, continuity, derivatives, and integrals of algebraic and transcendental functions of one variable, with applications. Upon completion, students should be able to apply differentiation and integration techniques to algebraic and transcendental functions. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in natural sciences/mathematics. This course may meet the SACS mathematics requirement for AA, AS, AFA, AGE, AAS, DIP, or CER programs.*

MAT 272 Calculus II 3 2 0 4
Prerequisites: MAT 271
Corequisites: None

This course provides a rigorous treatment of integration and is the second calculus course in a three-course sequence. Topics include applications of definite integrals, techniques of integration, indeterminate forms, improper integrals, infinite series, conic sections, parametric equations, polar coordinates, and differential equations. Upon completion, students should be able to use integration and approximation techniques to solve application problems. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in natural sciences/mathematics. This course may meet the SACS mathematics requirement for AA, AS, AFA, AGE, AAS, DIP, or CER programs.*

Class Lab Clinical Credit

MAT 273 Calculus III 3 2 0 4
Prerequisites: MAT 272
Corequisites: None

This course covers the calculus of several variables and is third calculus course in a three-course sequence. Topics include functions of several variables, partial derivatives, multiple integrals, solid analytical geometry, vector-valued functions, and line and surface integrals. Upon completion, students should be able to solve problems involving vectors and functions of several variables. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in natural sciences/mathematics. This course may meet the SACS mathematics requirement for AA, AS, AFA, AGE, AAS, DIP, or CER programs.*

MEC 110 Intro to CAD/CAM 1 2 0 2
Prerequisites: MEC 111 and DFT 151
Corequisites: None

This course introduces CAD/CAM. Emphasis is placed on transferring part geometry from CAD to CAM for the development of a CNC-ready program. Upon completion, students should be able to use CAD/CAM software to produce a CNC program.

MEC 111 Machine Processes I 1 4 0 3
Prerequisites: None
Corequisites: None

This course introduces shop safety, hand tools, machine processes, measuring instruments, and the operation of machine shop equipment. Topics include use and care of tools, safety, measuring tools, and the basic setup and operation of common machine tools. Upon completion, students should be able to safely machine simple parts to specified tolerances.

MEC 112 Machine Processes II 2 3 0 3
Prerequisites: MEC 111
Corequisites: None

This course covers advanced use of milling machines and lathes. Emphasis is placed on safety and compound setup of milling machines and lathes for manufacture of projects with a specified fit. Upon completion, students should be able to demonstrate proper procedures for manufacture of assembled parts.

MEC 130 Mechanisms 2 2 0 3
Prerequisites: None
Corequisites: None

This course introduces the purpose and action of various mechanical devices. Topics include cams, cables, gear trains, differentials, screws, belts, pulleys, shafts, levers, lubricants, and other devices used to transmit or control signals. Upon completion, students should be able to analyze, maintain, and troubleshoot the components of mechanical systems.

Class Lab Clinical Credit

MEC 145 Mfg Materials I 2 3 0 3
Prerequisites: None
Corequisites: None

This course introduces a variety of manufacturing materials and common processing techniques. Emphasis is placed on the processing, testing, and application of materials such as wood, metals, plastics, ceramics, and composites. Upon completion, students should be able to demonstrate an understanding of fundamental engineering applications for a variety of materials, including their process capabilities and limitations.

MEC 180 Engineering Materials 2 3 0 3
Prerequisites: None
Corequisites: None

This course covers the physical and mechanical properties of materials. Topics include testing, heat treating, ferrous and non-ferrous metals, plastics, composites, and material selection. Upon completion, students should be able to specify basic tests and properties and select appropriate materials on the basis of specific properties.

MEC 231 Comp-Aided Manufact I 1 4 0 3
Prerequisites: MAC 124 and MAC 132
Corequisites: None

This course introduces computer-aided design / manufacturing (CAD / CAM) applications and concepts. Topics include software, programming, data transfer and verification, and equipment setup. Upon completion, students should be able to produce parts using CAD / CAM applications.

MEC 232 Comp-Aided Manufact II 1 4 0 3
Prerequisites: MEC 231
Corequisites: None

This course provides an in-depth study of CAM applications and concepts. Emphasis is placed on the manufacturing of complex parts using computer-aided manufacturing software. Upon completion, students should be able to manufacture complex parts using CAM software.

MEC 250 Statics & Strength of Mat 4 3 0 5
Prerequisites: PHY 131 or PHY 151
Corequisites: None

This course covers the concepts and principles of statics and stress analysis. Topics include systems of forces on structures in equilibrium and analysis of stresses and strains on these components. Upon completion, students should be able to analyze forces and the results of stresses and strains on structural components.

MEC 265 Fluid Mechanics 2 2 0 3
Prerequisites: None
Corequisites: None

This course covers the physical behavior of fluids and fluid systems. Topics include fluid statics and dynamics, laminar and turbulent flow, Bernoulli's Equation, components, applications, and other related topics. Upon completion, students should be able to apply fluid power principles to practical applications.

Class Lab Clinical Credit

MED 118 Medical Law and Ethics 2 0 0 2
Prerequisites: None
Corequisites: None

This course covers legal relationships of physicians and patients, contractual agreements, professional liability, malpractice, medical practice acts, informed consent, and bioethical issues. Emphasis is placed on legal terms, professional attitudes, and the principles and basic concepts of ethics and laws involved in providing medical services. Upon completion, students should be able to meet the legal and ethical responsibilities of a multi-skilled health professional.

MED 121 Medical Terminology I 3 0 0 3
Prerequisites: Proficiency in Reading - A grade of “C” or better in ENG 095 or RED 090 OR minimum Accuplacer score of 80 on Reading
Corequisites: None

This course introduces prefixes, suffixes, and word roots used in the language of medicine. Topics include medical vocabulary and the terms that relate to the anatomy, physiology, pathological conditions, and treatment of selected systems. Upon completion, students should be able to pronounce, spell, and define medical terms as related to selected body systems and their pathological disorders.

MED 122 Medical Terminology II 3 0 0 3
Prerequisites: MED 121
Corequisites: None

This course is the second in a series of medical terminology courses. Topics include medical vocabulary and the terms that relate to the anatomy, physiology, pathological conditions, and treatment of selected systems. Upon completion, students should be able to pronounce, spell, and define medical terms as related to selected body systems and their pathological disorders.

MKT 120 Principles of Marketing 3 0 0 3
Prerequisites: None
Corequisites: None

This course introduces principles and problems of marketing goods and services. Topics include promotion, placement, and pricing strategies for products. Upon completion, students should be able to apply marketing principles in organizational decision making.

MKT 121 Retailing 3 0 0 3
Prerequisites: None
Corequisites: None

This course examines the role of retailing in the economy. Topics include the development of present retail structure, functions performed, effective operations, and managerial problems resulting from current economic and social trends. Upon completion, students should be able to demonstrate an understanding of the basic principles of retailing.

Class Lab Clinical Credit

MKT 123 Fundamentals of Selling 3 0 0 3
Prerequisites: MKT 120
Corequisites: None

This course is designed to emphasize the necessity of selling skills in a modern business environment. Emphasis is placed on sales techniques involved in various types of selling situations. Upon completion, students should be able to demonstrate an understanding of the techniques covered.

MKT 223 Customer Service 3 0 0 3
Prerequisites: None
Corequisites: None

This course stresses the importance of customer relations in the business world. Emphasis is placed on learning how to respond to complex customer requirements and to efficiently handle stressful situations. Upon completion, students should be able to demonstrate the ability to handle customer relations.

MKT 224 International Marketing 3 0 0 3
Prerequisites: None
Corequisites: None

This course covers the basic concepts of international marketing activity and theory. Topics include product promotion, placement, and pricing strategies in the international marketing environment. Upon completion, students should be able to demonstrate a basic understanding of the concepts covered.

MNT 110 Intro to Maint Procedures 1 3 0 2
Prerequisites: None
Corequisites: None

This course covers basic maintenance fundamentals for power transmission equipment. Topics include equipment inspection, lubrication, alignment, and other scheduled maintenance procedures. Upon completion, students should be able to demonstrate knowledge of accepted maintenance procedures and practices according to current industry standards.

MNT 111 Maintenance Practices 2 2 0 3
Prerequisites: None
Corequisites: None

This course provides in-depth theory and practical applications relating to predictive and preventive maintenance programs. Emphasis is placed on equipment failure analysis, maintenance management software, and techniques such as vibration and infrared analysis. Upon completion, students should be able to demonstrate an understanding of modern analytical and documentation methods.

MNT 131 Metalworking Processes 2 3 0 3
Prerequisites: None
Corequisites: None

This course introduces the standard practices that are found in a metal workshop. Topics include the proper care/use of basic hand tools and precision measuring instruments and layout procedures/operation of lathes, drill presses, grinders, milling machines, and power saws. Upon completion, students should be able to work safely in the metal workshop and use basic metalworking equipment.

Class Lab Clinical Credit

MNT 220 Rigging & Moving 1 3 0 2
Prerequisites: None
Corequisites: None

This course covers the principles of safe rigging practices for handling, placing, installing, and moving heavy machinery and equipment. Topics include safety, weight and dimensional estimation, positioning of equipment slings, rollers, jacks, levers, dollies, ropes, chains, padding, and other related topics. Upon completion, students should be able to safely relocate and set up equipment using accepted rigging practices.

MNT 230 Pumps & Piping Systems 1 3 0 2
Prerequisites: None
Corequisites: None

This course covers pump installation and maintenance and related valves and piping systems. Topics include various types of pump systems and their associated valves, piping requirements, and other related topics. Upon completion, students should be able to select and install pump and piping systems and demonstrate proper maintenance and troubleshooting procedures.

MSC 110 Training Cruise I 0 3 0 1
Prerequisites: Proficiency in Reading - A grade of "C" or better in ENG 085 or RED 080 OR minimum Accuplacer score of 57 on Reading
Corequisites: Full time Marine Technology enrollment or by permission of the department chair

This course covers the skills necessary to live and work safely aboard oceangoing research vessels. Emphasis is placed on the unique safety requirements aboard oceangoing vessels and the skills needed for oceanographic work. Upon completion, students should be able to safely live and work aboard an oceanographic research vessel conducting offshore scientific operations.

MSC 112 Training Cruise II 0 3 0 1
Prerequisites: Proficiency in Reading - A grade of "C" or better in ENG 085 or RED 080 OR minimum Accuplacer score of 57 on Reading
Corequisites: Full time Marine Technology enrollment or by permission of the department chair

This course covers the skills necessary to live and work safely aboard oceangoing research vessels. Emphasis is placed on maintaining a 24-hour navigation log and weather watch and safely conducting over-the-side biological sampling operations. Upon completion, students should be able to maintain a weather log, plot a cruise track, and safely use biological sampling gear.

Class Lab Clinical Credit

MSC 114 Training Cruise III 0 3 0 1
Prerequisites: MSC 112
Corequisites: Full-time Marine Technology enrollment or by permission of the department chair

This course covers the skills necessary to live and work safely aboard oceangoing research vessels. Emphasis is placed on utilizing the navigational and hydrographical techniques needed to conduct an offshore bathymetric survey. Upon completion, students should be able to accurately navigate a vessel, gather bathymetric data, and prepare a depth contour plot of a predetermined quadrant.

MSC 122 Boat Handling/Seamanship 2 3 0 3
Prerequisites: Proficiency in Reading - A grade of "C" or better in ENG 085 or RED 080 OR minimum Accuplacer score of 57 on Reading
Corequisites: None

This course covers the skills of boat handling, the practice of seamanship, and safety and survival in the marine environment. Topics include safe boat handling, seamanship under adverse conditions, fire fighting, man overboard rescue, PFDs, EPIRBs, distress signals, lifeboats, and life rafts. Upon completion, students should be able to competently operate small powerboats and demonstrate proficiency in the use of marine fire fighting and lifesaving equipment.

MSC 124 Industrial Skills 1 4 0 3
Prerequisites: Proficiency in Reading - A grade of "C" or better in ENG 085 or RED 080 OR minimum Accuplacer score of 57 on Reading
Corequisites: None

This course offers a practical approach to the mechanical and technical skills needed by technicians in a variety of marine-related jobs. Topics include industrial safety, measurement systems, hand and power tools, fasteners, corrosion protection, project design, and construction and cost estimation. Upon completion, students should be able to safely use hand and/or power tools and understand a variety of measurement and pricing systems.

MSC 126 Marine Engines 1 2 0 2
Prerequisites: None
Corequisites: None

This course covers fundamental theory, troubleshooting, and maintenance of marine engines and related equipment, especially outboards. Emphasis is placed on maintenance and operational procedures, including corrosion control, lubrication, propellers, carburetors, two-cycle theory, magneto ignition, batteries, starters, alternators, and trailers. Upon completion, students should be able to understand how a marine engine and related components work, perform minor repairs, and properly maintain them.

Class Lab Clinical Credit

MSC 132 Fishing Gear Tech I 2 3 0 3
Prerequisites: Proficiency in Reading - A grade of "C" or better in ENG 085 or RED 080 OR minimum Accuplacer score of 57 on Reading
Corequisites: None

This course introduces modern rope seamanship and fishing gear theory, design, repair, and analysis as it relates to fisheries research. Emphasis is placed on various practical knots, rope splicing, marine hardware, biological sampling gear classifications, and the basics of net construction, repair, and design. Upon completion, students should be able to implement marlinspike skills; repair netted material; and identify, design, and construct various types of biological entrapment and entanglement gear.

MSC 134 Fishing Gear Tech II 1 2 0 2
Prerequisites: MSC 132
Corequisites: None

This course offers further experience and instruction in fishing gear theory and design and the collection and recording of biological data. Emphasis is placed on the general skills needed to design, construct, and repair complex sampling gear and be employed as a fisheries technician. Upon completion, students should be able to understand and apply fishing gear design and construction techniques and collect, compile, and record biological data.

MSC 150 Marine Navigation 2 3 0 3
Prerequisites: Proficiency in Reading - A grade of "C" or better in ENG 085 or RED 080 OR minimum Accuplacer score of 57 on Reading
Corequisites: None

This course provides training in marine piloting and electronic navigation techniques. Topics include use of charts, instruments, navigational aids, compasses, nautical publications, RADAR, GPS, LORAN, and depth sounders, with an emphasis on plotting techniques. Upon completion, students should be able to demonstrate competence in the safe navigation of vessels utilizing and interpreting information obtained from navigational aids. Use of navigational computer software will also be introduced.

MSC 152 Marine Instrumentation 1 2 0 2
Prerequisites: None
Corequisites: None

This course introduces the various types of oceanographic instrumentation used for the collection of data and samples by the oceanographic community. Emphasis is placed on data recording procedures, proper operation, safe handling, and calibration, maintenance, and repair of instruments. Upon completion, students should be able to safely and correctly use the instruments covered to conduct accurate field measurements.

Class Lab Clinical Credit

MSC 154 Marine Photography 2 2 0 3
Prerequisites: CIS 111 or CIS 110, Proficiency in Reading - A grade of "C" or better in ENG 085 or RED 080 OR minimum Accuplacer score of 57 on Reading
Corequisites: None

This course introduces the basic concepts, processes, and techniques of photography with emphasis on marine applications. Topics include proper camera operation, composition, exposure, lighting techniques, and the processing of black and white films and papers. Upon completion, students should be able to demonstrate proficiency in the operation of a camera and portable lighting tools with consistent exposures and darkroom techniques.

MSC 160 Oceanography 4 0 0 4
Prerequisites: Proficiency in Reading - A grade of "C" or better in ENG 085 or RED 080 OR minimum Accuplacer score of 57 on Reading
Corequisites: None

This course provides a general description of the geology, chemistry, and physics of the oceans. Topics include a history of oceanography, bathymetry, plate tectonics, seawater chemistry and physics, atmospheric circulation, currents, waves, tides, sedimentation, and coastal geology. Upon completion, students should be able to describe bathymetric features, the chemistry and physics of seawater, atmospheric and ocean circulations, marine sediments, and coastal processes.

MSC 172 Marine Biology 2 3 0 3
Prerequisites: Proficiency in Reading - A grade of "C" or better in ENG 085 or RED 080 OR minimum Accuplacer score of 57 on Reading
Corequisites: None

This course utilizes field trips to the beach, salt marsh, and other habitats to study marine animals and plants in their natural communities. Topics include divisions of the marine environment, distribution of life in the ocean, and the interrelationships of marine organisms in various habitats. Upon completion, students should be able to scientifically identify various marine species and describe the role they fill in their biological communities.

MSC 174 Marine Inverteb Zoology 3 2 0 4
Prerequisites: None
Corequisites: None

This course covers the behavior and classification of marine invertebrates. Topics include identification, feeding behavior, reproduction, and symbiotic relationships of marine invertebrates. Upon completion, students should be able to identify and classify marine invertebrates and demonstrate an understanding of their basic anatomy and physiology.

Class Lab Clinical Credit

MSC 180 Water Analysis 2 3 0 3
Prerequisites: None
Corequisites: None

This course covers the practical analysis of water samples with an emphasis on marine-oriented techniques and procedures. Topics include basic laboratory skills, microbiology techniques, and the use of wet chemistry and instruments to quantify chemically and biologically important parameters. Upon completion, students should be able to culture microbes, and measure pH, salinity, turbidity, dissolved oxygen, and nutrients in natural water samples.

MSC 216 Training Cruise IV 0 3 0 1
Prerequisites: MSC 114, MSC 152
Corequisites: Full time Marine Technology enrollment or by permission of the department chair

This course covers the skills necessary to live and work safely aboard oceangoing research vessels. Emphasis is placed on conducting standard hydrographic stations using various oceanographic samplers. Upon completion, students should be able to set up and conduct a hydrographic station and collect accurate data using various types of marine instrumentation.

MSC 218 Training Cruise V 0 3 0 1
Prerequisites: MSC 216, MSC 152
Corequisites: Full time Marine Technology enrollment by permission of the department chair

This course covers the skills necessary to live and work safely aboard oceangoing research vessels. Emphasis is placed on conducting a broad range of oceanographic survey techniques, including chemical, meteorological, geological, physical, and biological surveys. Upon completion, students should be able to demonstrate competence in the skills required of a marine technician aboard an oceanographic or survey vessel.

MSC 220 Marine GIS 2 2 0 3
Prerequisites: CIS 110 or CIS 111
Corequisites: None

This course introduces students to the software and data components of a Geographic Information System. Topics include data collection, management, and analysis, and the creation of marine-based GIS maps. Upon completion, students should be able to use GIS software in marine applications.

MSC 254 Marine Data Processing 1 3 0 2
Prerequisites: CIS 110 or CIS 111, MSC 152
Corequisites: MSC 256

This course introduces standard oceanographic procedures used to process and analyze oceanographic data. Emphasis is placed on the use of standard recording procedures and computer applications for processing and analyzing oceanographic data. Upon completion, students should be able to record and analyze oceanographic data using standard procedures along with computer-based applications.

Class Lab Clinical Credit

MSC 256 Hydrographic Surveying 1 3 0 2
Prerequisites: CIS 110 or CIS 111, MSC 152
Corequisites: MSC 254

This course covers basic hydrographic survey and cartography techniques as they apply to marine research. Topics include topographic map bathymetric chart basics, contours, elevations, depths, coordinate systems, survey instruments, data collection and processing, modeling, and field surveys. Upon completion, students should be able to use topographic and bathymetric maps as a research tool and set up and conduct a basic survey.

MSC 258 CAD & Multimedia Display 1 3 0 2
Prerequisites: CIS 110 or CIS 111, MSC 154
Corequisites: None

This course introduces and provides experience with a variety of technically oriented digital applications. Emphasis is placed on contemporary visual presentation methods and techniques, as well as on an introduction to plotting, editing, and file management with CAD software. Upon completion, students should be able to produce a computerized technical presentation and informational presentation item, and create cross sections and profiles using CAD software.

MSC 276 Marine Vertebrate Zoo 3 2 0 4
Prerequisites: None
Corequisites: None

This course covers the behavior and classification of marine fishes, reptiles, birds, and mammals. Topics include identification, feeding behavior, reproduction, migration, and other marine vertebrate characteristics. Upon completion, students should be able to identify marine vertebrates and demonstrate an understanding of the methods marine vertebrates use to survive in the ocean.

MUS 110 Music Appreciation 3 0 0 3
Prerequisites: None
Corequisites: None

This course is a basic survey of the music of the Western world. Emphasis is placed on the elements of music, terminology, composers, form, and style within a historical perspective. Upon completion, students should be able to demonstrate skills in basic listening and understanding of the art of music. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in humanities/fine arts. This course may meet the SACS humanities/fine arts requirement for AA, AS, AFA, AGE, AAS, DIP, or CER programs.*

MUS 111 Fundamentals of Music 3 0 0 3
Prerequisites: None
Corequisites: None

This course is an introductory course for students with little or no music background. Emphasis is placed on music notation, rhythmic patterns, scales, key signatures, intervals, and chords. Upon completion, students should be able to demonstrate an understanding of the rudiments of music. *This course has been approved to satisfy the Comprehensive Articulation Agreement for transferability as a pre-major and/or elective course requirement. This course may meet the SACS humanities/fine arts requirement for AGE, AAS, DIP, or CER programs.*

Class Lab Clinical Credit

MUS 112 Introduction to Jazz 3 0 0 3
Prerequisites: None
Corequisites: None

This course introduces the origins and musical components of jazz and the contributions of its major artists. Emphasis is placed on the development of discriminating listening habits, as well as the investigation of the styles and structural forms of the jazz idiom. Upon completion, students should be able to demonstrate skills in listening and understanding this form of American music. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in humanities/fine arts. This course may meet the SACS humanities/fine arts requirement for AA, AS, AFA, AGE, AAS, DIP, or CER programs.*

MUS 113 American Music 3 0 0 3
Prerequisites: None
Corequisites: None

This course introduces various musical styles, influences, and composers of the United States from pre-Colonial times to the present. Emphasis is placed on the broad variety of music particular to American culture. Upon completion, students should be able to demonstrate skills in basic listening and understanding of American music. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in humanities/fine arts. This course may meet the SACS humanities/fine arts requirement for AA, AS, AFA, AGE, AAS, DIP, or CER programs.*

MUS 114 Non-Western Music 3 0 0 3
Prerequisites: None
Corequisites: None

This course provides a basic survey of the music of the non-Western world. Emphasis is placed on non-traditional instruments, sources, and performing practices. Upon completion, students should be able to demonstrate skills in basic listening and understanding of the art of non-Western music. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in humanities/fine arts. This course may meet the SACS humanities/fine arts requirement for AA, AS, AFA, AGE, AAS, DIP, or CER programs.*

MUS 121 Music Theory 3 2 0 4
Prerequisites: MUS 111
Corequisites: None

This course provides an in-depth introduction to melody, rhythm, and harmony. Emphasis is placed on fundamental melodic, rhythmic, and harmonic analysis, introduction to part writing, ear-training, and sight-singing. Upon completion, students should be able to demonstrate proficiency in the recognition and application of the above. *This course has been approved to satisfy the Comprehensive Articulation Agreement for transferability as a pre-major and/or elective course* *requirement. This course may meet the SACS humanities/fine arts requirement for AGE, AAS, DIP, or CER degree programs.*

	Class	Lab	Clinical	Credit
MUS 122 Music Theory II	3	2	0	4

Prerequisites: MUS 121
Corequisites: None

This course is a continuation of studies begun in MUS 121. Emphasis is placed on advanced melodic, rhythmic, and harmonic analysis and continued studies in part-writing, ear-training, and sight-singing. Upon completion, students should be able to demonstrate proficiency in the recognition and application of the above. This course has been approved to satisfy the Comprehensive Articulation Agreement for transferability as a premajor and/or elective course requirement. *This course may meet the SACS humanities/fine arts requirement for AGE, AAS, DIP, or CER degree programs.*

	Class	Lab	Clinical	Credit
MUS 123 Music Composition	0	2	0	1

Prerequisites: MUS 111 or MUS 121
Corequisites: None

This course provides a study of elementary forms and traditional approaches to the organization of melody, harmony, rhythm, etc. in musical composition. Emphasis is placed on using musical notation to create new musical works. Upon completion, students should be able to create short musical works using appropriate musical notation. *This course has been approved to satisfy the Comprehensive Articulation Agreement pre-major and/or elective course requirement.*

	Class	Lab	Clinical	Credit
MUS 131 Chorus I	0	2	0	1

Prerequisites: None
Corequisites: None

This course provides an opportunity to gain experience singing in a chorus. Emphasis is placed on vocal techniques and the study and performance of a variety of styles and periods of choral literature. Upon completion, students should be able to demonstrate skills needed to participate in choral singing leading to performance. *This course has been approved to satisfy the Comprehensive Articulation Agreement for transferability as a pre-major and/or elective course requirement.*

	Class	Lab	Clinical	Credit
MUS 132 Chorus II	0	2	0	1

Prerequisites: MUS 131
Corequisites: None

This course provides a continuation of studies begun in MUS 131. Emphasis is placed on vocal techniques and the study and performance of a variety of styles and periods of choral literature. Upon completion, students should be able to demonstrate skills needed to participate in choral singing leading to performance. *This course has been approved to satisfy the Comprehensive Articulation Agreement for transferability as a pre-major and/or elective course requirement.*

	Class	Lab	Clinical	Credit
MUS 135 Jazz Ensemble I	0	2	0	1

Prerequisites: None
Corequisites: None

This course provides an opportunity for those who play an appropriate instrument to gain experience playing in a jazz ensemble. Emphasis is placed on jazz ensemble techniques and the study and performance of a variety of styles of jazz literature. Upon completion, students should be able to demonstrate skills needed to participate in ensemble playing leading to performance. *This course has been approved to satisfy the Comprehensive Articulation Agreement for transferability as a pre-major and/or elective course requirement.*

	Class	Lab	Clinical	Credit
MUS 136 Jazz Ensemble II	0	2	0	1

Prerequisites: MUS 135
Corequisites: None

This course is a continuation of MUS 135. Emphasis is placed on jazz ensemble techniques and the study and performance of a variety of styles and periods of jazz literature. Upon completion, students should be able to demonstrate skills needed to participate in ensemble playing leading to performance. *This course has been approved to satisfy the Comprehensive Articulation Agreement for transferability as a pre-major and/or elective course requirement.*

	Class	Lab	Clinical	Credit
MUS 137 Orchestra I	0	2	0	1

Prerequisites: None
Corequisites: None

This course provides an opportunity for those who play an orchestral instrument to gain experience play in an ensemble. Emphasis is placed on orchestral techniques and the study and performance of a variety of styles and periods of orchestral and string ensemble literature. Upon completion, students should be able to demonstrate skills needed to participate in ensemble playing leading to performance. *This course has been approved to satisfy the Comprehensive Articulation Agreement for transferability as a premajor and/or elective course requirement.*

	Class	Lab	Clinical	Credit
MUS 138 Orchestra II	0	2	0	1

Prerequisites: MUS 137
Corequisites: None

This course is a continuation of MUS 137. Emphasis is placed on orchestral techniques and the study and performance of a variety of styles and periods of orchestral and string ensemble literature. Upon completion, students should be able to demonstrate skills needed to participate in ensemble playing leading to performance. *This course has been approved to satisfy the Comprehensive Articulation Agreement for transferability as a premajor and/or elective course requirement.*

Class Lab Clinical Credit

MUS 141 Ensemble I 0 2 0 1
Prerequisites: None
Corequisites: None

This course provides an opportunity to perform in any combination of instrumental, vocal, or keyboard groups of two or more. Emphasis is placed on the development of performance skills and the study of a variety of styles and periods of ensemble literature. Upon completion, students should be able to demonstrate skills needed to participate in ensemble playing leading to performance. *This course has been approved to satisfy the Comprehensive Articulation Agreement for transferability as a pre-major and/or elective course requirement.*

MUS 142 Ensemble II 0 2 0 1
Prerequisites: MUS 141
Corequisites: None

This course is a continuation of MUS 141. Emphasis is placed on the development of performance skills and the study of a variety of styles and periods o ensemble literature. Upon completion, students should be able to demonstrate skills needed to participate in ensemble playing leading to performance. *This course has been approved to satisfy the Comprehensive Articulation Agreement for transferability as a pre-major and/or elective course requirement.*

MUS 151 Class Music I 0 2 0 1
Prerequisites: None
Corequisites: None

This course provides group instruction in skills and techniques of the particular instrument or voice for those with little or no previous experience. Emphasis is placed on techniques and styles and the exploration and study of appropriate literature. Upon completion, students should be able to demonstrate proficiency in the studied skills and repertoire through performance. *This course has been approved to satisfy the Comprehensive Articulation Agreement for transferability as a pre-major and/or elective course requirement.*

MUS 152 Class Music II 0 2 0 1
Prerequisites: MUS 151
Corequisites: None

This course is a continuation of MUS 151. Emphasis is placed on techniques and styles and the exploration and study of appropriate literature. Upon completion, students should be able to demonstrate proficiency in the studied skills and repertoire through performance. *This course has been approved to satisfy the Comprehensive Articulation Agreement for transferability as a pre-major and/or elective course requirement.*

MUS 161 Applied Music I 1 2 0 2
Prerequisites: None
Corequisites: None

This course provides individual instruction in the skills and techniques of the particular instrument or voice. Emphasis is placed on techniques and styles and the exploration and study of appropriate literature. Upon completion, students should be able to demonstrate proficiency in the studied skills and repertoire through performance. Colleges may use a letter suffix to designate a specific instrument or voice, for example MUS 161P for piano. *This course has been approved to satisfy the Comprehensive Articulation Agreement for transferability as a pre-major and/or elective course requirement.*

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MUS 162 Applied Music II 1 2 0 2
Prerequisites: MUS 161
Corequisites: None

This course is a continuation of MUS 161. Emphasis is placed on techniques and styles and the exploration and study of appropriate literature. Upon completion, students should be able to demonstrate proficiency in the studied skills and repertoire through performance. Colleges may use a letter suffix to designate a specific instrument or voice, for example MUS 162P for piano. *This course has been approved to satisfy the Comprehensive Articulation Agreement for transferability as a pre-major and/or elective course requirement.*

MUS 175 Recording Techniques I 2 0 0 2
Prerequisites: None
Corequisites: None

This course introduces the recording studio from an artistic and operational point of view. Emphasis is placed on audio consoles, microphones, multi-track recorders, and echo chambers. Upon completion, students should be able to demonstrate understanding of operation and function of recording equipment and its relationship to musician, sound engineer, and producer. *This course has been approved to satisfy the Comprehensive Articulation Agreement for transferability as a premajor and/or elective course requirement.*

MUS 176 Recording Techniques II 0 4 0 2
Prerequisites: MUS 175
Corequisites: None

This course continues the study and application of recording techniques begun in MUS 175. Emphasis is placed on multi-track recording and mix-down, microphone placement, and patch bay function. Upon completion, students should be able to create projects demonstrating proficiency in the skills and use of the equipment studied. *This course has been approved to satisfy the Comprehensive Articulation Agreement for transferability as a premajor and/or elective course requirement.*

MUS 210 History of Rock Music 3 0 0 3
Prerequisites: None
Corequisites: None

This course is a survey of Rock music from the early 1950's to the present. Emphasis is placed on musical groups, soloists, and styles related to the evolution of this idiom and on related historical and social events. Upon completion, students should be able to identify specific styles and to explain the influence of selected performers within their respective eras. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirements in humanities/fine arts.*

MUS 211 History of Country Music 3 0 0 3
Prerequisites: None
Corequisites: None

This course introduces the varied origins of country music and the commercialization of this art form. Emphasis is placed on historical, sociocultural, and stylistic factors related to country music and musicians. Upon completion, students should be able to identify specific styles and explain the influence of pop culture on the development of country music. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirements in humanities/fine arts.*

MUS 212 American Musical Theatre 3 0 0 3
Prerequisites: None
Corequisites: None

This course covers the origins and development of the musical from Show Boat to the present. Emphasis is placed on the investigation of the structure of the musical and its components through listening and analysis. Upon completion, students should be able to demonstrate skills in listening and understanding this form of American music. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirements in humanities/fine arts.*

MUS 214 Electronic Music 1 2 0 2
Prerequisites: MUS 111
Corequisites: None

This course provides an opportunity to study and explore various electronic instruments and devices. Emphasis is placed on fundamental MIDI applications and implementation, features and application of sequences, sound modules, and digital keyboards. Upon completion, students should be able to demonstrate proficiency by creation of appropriate musical projects using the equipment and techniques covered. *This course has been approved to satisfy the Comprehensive Articulation Agreement for transferability as a pre-major and/or elective course requirement.*

MUS 215 Electronic Music II 1 2 0 2
Prerequisites: MUS 214
Corequisites: None

This course is a continuation of MUS 214. Emphasis is placed on advanced MIDI applications and implementation and continued work with sequencers, sound modules, and digital keyboards. Upon completion, students should be able to demonstrate proficiency by creation of appropriate musical projects using the equipment and techniques covered. *This course has been approved to satisfy the Comprehensive Articulation Agreement for transferability as a pre-major and/or elective course requirement.*

MUS 221 Music Theory III 3 2 0 4
Prerequisites: MUS 122
Corequisites: None

This course is a continuation of MUS 122. Emphasis is placed on altered and chromatic harmony, common practice era compositional techniques and forms, and continued studies in part-writing, ear-training, and sight-singing. Upon completion, students should be able to demonstrate proficiency in the recognition and application of the above. *This course has been approved to satisfy the Comprehensive Articulation Agreement for transferability as a premajor and/or elective course requirement.*

MUS 222 Music Theory IV 3 2 0 4
Prerequisites: MUS 221
Corequisites: None

This course is a continuation of studies begun in MUS 221. Emphasis is placed on continued study of common practice era-compositional techniques and forms, 20th century practices, ear-training, and sight-singing. Upon completion, students should be to demonstrate proficiency in the recognition and application of the above. *This course has been approved to satisfy the Comprehensive Articulation Agreement for transferability as a premajor and/or elective course requirement.*

MUS 231 Chorus III 0 2 0 1
Prerequisites: MUS 132
Corequisites: None

This course is a continuation of MUS 132. Emphasis is placed on vocal techniques and the study and performance of a variety of styles and periods of choral literature. Upon completion, students should be able to demonstrate skills needed to participate in choral singing leading to performance. *This course has been approved to satisfy the Comprehensive Articulation Agreement for transferability as premajor and/or elective course requirement.*

MUS 232 Chorus IV 0 2 0 1
Prerequisites: MUS 231
Corequisites: None

This course is a continuation of MUS 132. Emphasis is placed on vocal techniques and the study and performance of a variety of styles and periods of choral literature. Upon completion, students should be able to demonstrate skills needed to participate in choral singing leading to performance. *This course has been approved to satisfy the Comprehensive Articulation Agreement for transferability as premajor and/or elective course requirement.*

MUS 235 Jazz Ensemble III 0 2 0 1
Prerequisites: MUS 136
Corequisites: None

This course is a continuation of MUS 136. Emphasis is placed on jazz ensemble techniques and the study and performance of a variety of styles and periods of jazz literature. Upon completion, students should be able to demonstrate skills needed to participate in ensemble playing leading to performance. *This course has been approved to satisfy the Comprehensive Articulation Agreement for transferability as a premajor and/or elective course requirement.*

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MUS 236 Jazz Ensemble IV 0 2 0 1
Prerequisites: MUS 235
Corequisites: None

This course is a continuation of MUS 136. Emphasis is placed on jazz ensemble techniques and the study and performance of a variety of styles and periods of styles and periods of jazz literature. Upon completion, students should be able to demonstrate skills needed to participate in ensemble playing leading to performance. This course has been approved to satisfy the Comprehensive Articulation Agreement for transferability as a premajor and/or elective course requirement.

MUS 237 Orchestra III 0 2 0 1
Prerequisites: MUS 138
Corequisites: None

This course is a continuation of MUS 138. Emphasis is placed on orchestral techniques and the study and performance of a variety of styles and periods of orchestral and string ensemble literature. Upon completion, students should be able to demonstrate skills needed to participate in ensemble playing leading to performance. *This course has been approved to satisfy the Comprehensive Articulation Agreement for transferability as a premajor and/or elective course requirement.*

MUS 238 Orchestra IV 0 2 0 1
Prerequisites: MUS 237
Corequisites: None

This course is a continuation of MUS 237. Emphasis is placed on orchestral techniques and the study and performance of a variety of styles and periods of orchestral and string ensemble literature. Upon completion, students should be able to demonstrate skills needed to participate in ensemble playing leading to performance. *This course has been approved to satisfy the Comprehensive Articulation Agreement for transferability as a premajor and/or elective course requirement.*

MUS 241 Ensemble III 0 2 0 1
Prerequisites: MUS 142
Corequisites: None

This course is a continuation of MUS 142. Emphasis is placed on the development of performance skills and the study of a variety of styles and periods of ensemble literature. Upon completion, students should be able to demonstrate skills needed to participate in ensemble playing leading to performance. *This course has been approved to satisfy the Comprehensive Articulation Agreement for transferability as a premajor and/or elective course requirement.*

MUS 242 Ensemble IV 0 2 0 1
Prerequisites: MUS 241
Corequisites: None

This course is a continuation of MUS 241. Emphasis is placed on the development of performance skills and the study of styles of ensemble literature. Upon completion, students should be able to demonstrate skills needed to participate in ensemble playing leading to performance. *This course has been approved to satisfy the Comprehensive Articulation Agreement for transferability as a premajor and/or elective course requirement.*

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MUS 251 Class Music III 0 2 0 1
Prerequisites: MUS 152
Corequisites: None

This course is a continuation of MUS 152. Emphasis is placed on techniques and styles and the exploration and study of appropriate literature. Upon completion, students should be able to demonstrate proficiency in the studied skills and repertoire through performance. Colleges may use a letter suffix to designate a specific instrument or voice, for example MUS 251P for piano. *This course has been approved to satisfy the Comprehensive Articulation Agreement for transferability as a premajor and/or elective course requirement.*

MUS 252 Class Music IV 0 2 0 1
Prerequisites: MUS 251
Corequisites: None

This course is a continuation of MUS 251. Emphasis is placed on techniques and styles and the exploration and study of appropriate literature. Upon completion, students should be able to demonstrate proficiency in the studied skills and repertoire through performance. Colleges may use a letter suffix to designate a specific instrument or voice, for example, MUS 252P for piano. *This course has been approved to satisfy the Comprehensive Articulation Agreement for transferability as a premajor and/or elective course requirement.*

MUS 253 Big Band 0 2 0 1
Prerequisites: None
Corequisites: None

This course includes the Big Band instrumentation of five saxes, four trumpets, four trombones, and four-piece rhythm section (bass, piano, drums, and guitar). Emphasis is placed on learning the repertoire specifically written for Big Band instrumentation. Upon completion, students should be able to demonstrate skills needed to participate in performance of Big Band music. *This course has been approved to satisfy the Comprehensive Articulation Agreement for transferability as a pre-major and/or elective course requirement.*

MUS 261 Applied Music III 1 2 0 2
Prerequisites: MUS 162
Corequisites: None

This course is a continuation of MUS 162. Emphasis is placed on techniques and styles and the exploration and study of appropriate literature. Upon completion, students should be able to demonstrate proficiency in the studied skills and repertoire through performance. Colleges may use a letter suffix to designate a specific instrument or voice, for example MUS 261P for piano. *This course has been approved to satisfy the Comprehensive Articulation Agreement for transferability as a premajor and/or elective course requirement.*

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MUS 262 Applied Music IV 1 2 0 2
Prerequisites: MUS 261
Corequisites: None

This course is a continuation of MUS 261. Emphasis is placed on techniques and styles and the exploration and study of appropriate literature. Upon completion, students should be able to demonstrate proficiency in the studied skills and repertoire through performance. Colleges may use a letter suffix to designate a specific instrument or voice, for example MUS 262P for piano. *This course has been approved to satisfy the Comprehensive Articulation Agreement for transferability as a premajor and/or elective course requirement.*

MUS 271 Music History I 3 0 0 3
Prerequisites: MUS 122
Corequisites: None

This course is the first of a two-semester, in-depth study of music history. Emphasis is placed on the history and literature of music from Antiquity through the Baroque Period. Upon completion, student should be able to trace important musical developments and demonstrate an understanding of the composers' styles. *This course has been approved to satisfy the Comprehensive Articulation Agreement for transferability as a premajor and/or elective course requirement.*

MUS 272 Music History II 3 0 0 3
Prerequisites: MUS 271
Corequisites: None

This course is the second of a two-semester, in-depth study of music history. Emphasis is placed on the history and literature of music from the Classical Period to the present. Upon completion, students should be able to trace important musical developments and demonstrate an understanding of the composers' styles. *This course has been approved to satisfy the Comprehensive Articulation Agreement for transferability as a premajor and/or elective course requirement.*

NET 125 Networking Basics 1 4 0 3
Prerequisites: CIS 110 or CIS 111
Corequisites: None

This course introduces the networking field. Emphasis is placed on network terminology and protocols, local-area networks, wide-area networks, OSI model, cabling, router programming, Ethernet, IP addressing, and network standards. Upon completion, students should be able to perform tasks related to networking mathematics, terminology, and models, media, Ethernet, subnetting, and TCP/IP Protocols.

NET 126 Routing Basics 1 4 0 3
Prerequisites: NET 125
Corequisites: None

This course focuses on initial router configuration, router software management, routing protocol configuration, TCP/IP, and access control lists (ACLs). Emphasis will be placed on the fundamentals of router configuration, managing router software, routing protocol, and access lists. Upon completion, students should have an understanding of routers and their role in WANs, router configuration, routing protocols, TCP/IP, troubleshooting, and ACLs.

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NET 225 Routing & Switching I 1 4 0 3
Prerequisites: NET 126
Corequisites: None

This course focuses on advanced IP addressing techniques, intermediate routing protocols, command-line interface configuration of switches, Ethernet switching, VLANs, STP, and VTP. Emphasis will be placed on application and demonstration of skills acquired in pre-requisite courses. Upon completion, students should be able to perform tasks related to VLSM, routing protocols, switching concepts and configuration, STP, VLANs, and VTP.

NET 226 Routing & Switching II 1 4 0 3
Prerequisites: NET 225
Corequisites: None

This course introduces WAN theory and design, WAN technology, PPP, Frame Relay, ISDN, and additional case studies. Topics include network congestion problems, TCP/IP transport and network layer protocols, advanced routing and switching configuration, ISDN protocols, PPP encapsulation operations on a router. Upon completion, students should be able to provide solutions for network routing problems, identify ISDN protocols, and describe the Spanning Tree protocol.

NOS 110 Operating System Concepts 2 3 0 3
Prerequisites: None
Corequisites: CIS 110 or CIS 111

This course introduces students to a broad range of operating system concepts, including installation and maintenance. Emphasis is place on operating system concepts, management, maintenance, and resources required. Upon completion of this course, students will have an understanding of OS concepts, installation, management, maintenance, using a variety of operating systems.

NOS 130 Windows Single User 2 2 0 3
Prerequisites: NOS 110
Corequisites: None

This course introduces operating system concepts for single-user systems. Topics include hardware management, file and memory management, system configuration/optimization, and utilities. Upon completion, students should be able to perform operating systems functions at the support level in a single-user environment.

NOS 230 Windows Admin I 2 2 0 3
Prerequisites: NOS 130
Corequisites: None

This course covers the installation and administration of a Windows Server network operating system. Topics include managing and maintaining physical and logical devices, access to resources, the server environment, managing users,

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computers, and groups, and Managing/Implementing Disaster Recovery. Upon completion, students should be able to manage and maintain a Windows Server environment.

NUC 110 Nuclear Reactor Systems 3 0 0 3
Prerequisites: Proficiency in Reading - A grade of "C" or better in ENG 095 or RED 090 OR minimum Accuplacer score of 80 on Reading
Corequisites: None

This course provides an introduction to nuclear power plants with emphasis on boiling water reactor (BWR) technology. Topics include the description and function of each major component of the primary and secondary systems of a BWR. Upon completion, students should be able to demonstrate a working knowledge of major BWR systems, including their application during refueling operations.

NUC 120 Nuclear Reactor Theory 4 0 0 4
Prerequisites: NUC 110 and MAT 121 or MAT 122 or MAT 172
Corequisites: None

This course covers the fundamental operating theory of boiling water reactors used by electric utilities. Topics include nuclear fission, radioactivity, radiation, reactivity effects from control rods, fission products, and the burnable poisons created during reactor steady-state and transient operations. Upon completion, students should be able to demonstrate a working knowledge of the neutron life cycle, reactor kinetics, reactivity coefficients, and the effects from xenon.

NUC 130 Applied NDE-Nuclear 1 2 0 2
Prerequisites: Proficiency in Reading - A grade of "C" or better in ENG 095 or RED 090 OR minimum Accuplacer score of 80 on Reading and MAT 121 or MAT 171
Corequisites: None

This course introduces the principles of nondestructive examination (NDE) of the quality of stainless steel pipe, reactor vessel, and nozzle welds. Topics include practical applications of visual inspection along with dye penetrant, magnetic particle, ultrasonic, and radiographic testing, of acceptable and unacceptable welds. Upon completion, students should be able to select and apply the proper testing method to detect surface and subsurface flaws.

NUR 101 Practical Nursing I 7 6 6 11
Prerequisites: Enrollment in the Practical Nursing program
Corequisites: BIO 163, PSY 150

This course introduces concepts as related to the practical nurse's caregiver and discipline-specific roles. Emphasis is placed on the nursing process, legal/ethical/professional issues, wellness/illness patterns, and basic nursing skills. Upon completion, students should be able to demonstrate beginning understanding of nursing process to promote/maintain/restore optimum health for diverse clients throughout the life span.

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NUR 102 Practical Nursing II 8 0 12 12
Prerequisites: NUR 101, BIO 163 or BIO 168 and BIO 169, PSY 150
Corequisites: PSY 241

This course includes more advanced concepts as related to the practical nurse's caregiver and discipline-specific roles. Emphasis is placed on the nursing process, delegation, cost effectiveness, legal/ethical/professional issues, and wellness/illness patterns. Upon completion, students should be able to begin participating in the nursing process to promote/maintain/restore optimum health for diverse clients throughout the life span.

NUR 103 Practical Nursing III 6 0 12 10
Prerequisites: NUR 102, PSY 241
Corequisites: None

This course focuses on use of nursing/related concepts by practical nurses as providers of care/members of discipline in collaboration with health team members. Emphasis is placed on the nursing process, wellness/illness patterns, entry-level issues, accountability, advocacy, professional development, evolving technology, and changing health care delivery systems. Upon completion, students should be able to use the nursing process to promote/maintain/restore optimum health for diverse clients throughout the life span.

NUR 107 LPN Refresher 9 0 9 12
Prerequisites: Completion of an LPN program
Verification of Previous Licensure as an LPN
Corequisites: None

This refresher course is designed to provide an independent didactic review for the previously licensed Practical Nurse whose license has lapsed. Emphasis is placed on common medical-surgical conditions and nursing approaches to their management, including mental health principles, pharmacological concepts, and safe clinical practice. Upon completion, students will be eligible to apply for reinstatement of licensure.

NUR 111 Intro to Health Concepts 4 6 6 8
Prerequisites: Admission to ADN Program
Corequisites: BIO 168, PSY 150

This course introduces the concepts within the three domains of the individual, healthcare, and nursing. Emphasis is placed on the concepts within each domain including medication administration, assessment, nutrition, ethics, interdisciplinary teams, informatics, evidence-based practice, individual-centered care, and quality improvement. Upon completion, students should be able to provide safe nursing care incorporating the concepts identified in this course.

NUR 112 Health-Illness Concepts 3 0 6 5
Prerequisites: NUR 111, BIO 168, PSY 150
Corequisites: BIO 169, PSY 241

This course is designed to further develop the concepts within the three domains of the individual, healthcare, and nursing. Emphasis is placed on the concepts of acid-base, metabolism, cellular regulation, oxygenation, infection, stress/coping,

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health-wellness-illness, communication, caring interventions, managing care, safety, quality improvement, and informatics. Upon completion, students should be able to provide safe nursing care incorporating the concepts identified in this course.

NUR 113 Family Health Concepts 3 0 6 5
Prerequisites: NUR 114, PSY 241, BIO 169
Corequisites: CIS 111

This course is designed to further develop the concepts within the three domains of the individual, healthcare, and nursing. Emphasis is placed on the concepts of oxygenation, sexuality, reproduction, grief/loss, mood/affect, behaviors, development, family, health-wellness-illness, communication, caring interventions, managing care, safety, and advocacy. Upon completion, students should be able to provide safe nursing care incorporating the concepts identified in this course.

NUR 114 Holistic Health Concepts 3 0 6 5
Prerequisites: NUR 112
Corequisites: BIO 169, PSY 241

This course is designed to further develop the concepts within the three domains of the individual, healthcare, and nursing. Emphasis is placed on the concepts of cellular regulation, perfusion, inflammation, sensory perception, stress/coping, mood/affect, cognition, self, violence, health-wellness-illness, professional behaviors, caring interventions, and safety. Upon completion, students should be able to provide safe nursing care incorporating the concepts identified in this course.

NUR 211 Health Care Concepts 3 0 6 5
Prerequisites: NUR 113
Corequisites: BIO 175, ENG 111

This course is designed to further develop the concepts within the three domains of the individual, healthcare, and nursing. Emphasis is placed on the concepts of cellular regulation, perfusion, infection, immunity, mobility, comfort, behaviors, health-wellness-illness, clinical decision-making, caring interventions, managing care, and safety. Upon completion, students should be able to provide safe nursing care incorporating the concepts identified in this course.

NUR 212 Health System Concepts 3 0 6 5
Prerequisites: NUR 21
Corequisites: BIO 175, ENG 111

This course is designed to further develop the concepts within the three domains of the individual, healthcare, and nursing. Emphasis is placed on the concepts of grief/loss, violence, health-wellness-illness, collaboration, managing care, safety, advocacy, legal issues, policy, healthcare systems, ethics, accountability, and evidence-based practice. Upon completion, students should be able to provide safe nursing care incorporating the concepts identified in this course.

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NUR 213 Complex Health Concepts 4 3 15 10
Prerequisites: BIO 175, ENG 111, NUR 111, NUR 112, NUR 113, NUR 114, NUR 211, NUR 212
Corequisites: ENG 114, Humanity/Fine Arts Elective

This course is designed to assimilate the concepts within the three domains of the individual, healthcare, and nursing. Emphasis is placed on the concepts of fluid/electrolytes, metabolism, perfusion, mobility, stress/coping, violence, health-wellness-illness, professional behaviors, caring interventions, managing care, healthcare systems, and quality improvement. Upon completion, students should be able to demonstrate the knowledge, skills, and attitudes necessary to provide quality, individualized, entry level nursing care.

NUT 110 Nutrition 3 0 0 3
Prerequisites: None
Corequisites: None

This course covers basic principles of nutrition and their relationship to human health. Topics include meeting nutritional needs of healthy people, menu modification based on special dietary needs, food habits, and contemporary problems associated with food selection. Upon completion, students should be able to apply basic nutritional concepts to food preparation and selection.

OMT 156 Problem-Solving Skills 3 0 0 3
Prerequisites: None
Corequisites: None

This course provides a foundation for creating constructive relationships and presents the processes behind problem solving for groups and individuals. Emphasis is placed on building constructive relationships, confronting issues, winning support, and the basic processes of problem solving. Upon completion, students should be able to enhance relationships with others and apply a systematic approach to problem solving.

OST 131 Keyboarding 1 2 0 2
Prerequisites: None
Corequisites: None

This course covers basic keyboarding skills. Emphasis is placed on the touch system, correct techniques, and development of speed and accuracy. Upon completion, students should be able to key at an acceptable speed and accuracy level using the touch system.

OST 136 Word Processing 2 2 0 3
Prerequisites: CIS 111 or OST 131
Corequisites: None

This course introduces word processing concepts and applications. Topics include preparation of a variety of documents and mastery of specialized software functions. Upon completion, students should be able to work effectively in a computerized word processing environment.

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OST-148 Medical Coding, Billing and Insurance 3 0 0 3
Prerequisites: OST 248
Corequisites: None

This course introduces CPT and ICD coding as they apply to medical insurance and billing. Emphasis is placed on accuracy in coding, forms preparation, and posting. Upon completion, students should be able to describe the steps of the total billing cycle and explain the importance of accuracy.

OST 149 Med Legal Issues 3 0 0 3
Prerequisites: None
Corequisites: None

This course introduces the complex legal, moral, and ethical issues involved in providing health-care services. Emphasis is placed on the legal requirements of medical practices; the relationship of physician, patient, and office personnel; professional liabilities; and medical practice liability. Upon completion, students should be able to demonstrate a working knowledge of current medical law and accepted ethical behavior. *This course is also available through the Virtual Learning Community (VLC).*

OST 201 Medical Transcription I 3 2 0 4
Prerequisites: MED 121, OST 136, BIO 106 or BIO 163 or BIO 168
Corequisites: MED 122 or OST 142, and OST 164

This course introduces dictating equipment and typical medical dictation. Emphasis is placed on efficient use of equipment, dictionaries, PDRs, and other reference materials. Upon completion, students should be able to efficiently operate dictating equipment and to accurately transcribe a variety of medical documents in a specified time. This course is intended for diploma programs.

OST 202 Medical Transcription II 3 2 0 4
Prerequisites: MED 122, OST 201
Corequisites: None

This course provides additional practice in transcribing documents from various medical specialties. Emphasis is placed on increasing transcription speed and accuracy and understanding medical procedures and terminology. Upon completion, students should be able to accurately transcribe a variety of medical documents in a specified time.

OST-243 Medical Office Simulation 2 2 0 3
Prerequisites: OST-131 and OST-148
Corequisites: None

This course introduces medical systems used to process information in the automated office. Topics include traditional and electronic information resources, storing and retrieving information, and the billing cycle. Upon completion, students should be able to use the computer accurately to schedule, bill, update, and make corrections.

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OST 247 Procedure Coding 1 2 0 2
Prerequisites: MED 121 or OST 141
Corequisites: None

This course provides in-depth coverage of procedural coding. Emphasis is placed on CPT and HCPCS rules for Medicare billing. Upon completion, students should be able to properly code procedures and services performed by physicians in ambulatory settings.

OST 248 Diagnostic Coding 1 2 0 2
Prerequisites: MED 121 or OST 141
Corequisites: None

This course provides an in-depth study of diagnostic coding. Emphasis is placed on ICD coding system. Upon completion, students should be able to properly code diagnoses in a medical facility.

OST 289 Administrative Office Mgt 2 2 0 3
Prerequisites: OST 134 or OST 136, and OST 164
Corequisites: None

This course is designed to be a capstone course for the office professional and provides a working knowledge of modern office procedures. Emphasis is placed on scheduling, telephone procedures, travel arrangements, event planning, office design, and ergonomics. Upon completion, students should be able to adapt in an office environment.

OTA 110 Fundamentals of OT 2 3 0 3
Prerequisites: Enrollment in the Occupational Therapy Assistant Program
Corequisites: OTA 120, OTA 140

This course introduces occupational therapy theory, practice, philosophy, and principles. Emphasis is placed on providing a basic understanding of the profession as well as beginning to develop interaction and observation skills. Upon completion, students should be able to demonstrate basic understanding of OT practice options, uniform terminology, activity analysis, principles, process, philosophies, and frames of reference. Students will also begin exploration of medical terminology and abbreviations found within health care.

OTA 120 OT Media I 1 3 0 2
Prerequisites: Enrollment in the Occupational Therapy Assistant Program
Corequisites: OTA 110, OTA 140

This course provides training in recognizing the therapeutic value of and using a wide variety of leisure, self-care, and work activities. Topics include crafts, games, personal care and work activities, as well as teaching and learning methods and styles. Upon completion, students should be able to design, select, and complete/perform leisure, self-care, and work activities that would be therapeutic for designated client populations.

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OTA 130 Assessment Skills 2 3 0 3
Prerequisites: OTA 110, OTA 120, OTA 140
Corequisites: OTA 150, OTA 161, OTA 170

This course provides training in appropriate and accurate assessment and intervention skills related to sensory, movement, perceptual/cognitive, affective systems, and ADL skills. Topics include kinesiology, body mechanics, sensory, ROM, MMT, cognitive/perceptual, psychosocial, self-care, and work-related assessments; treatment approaches; and basics of group structure and dynamics. Upon completion, students should be able to administer various assessment tools and appropriate treatment approaches regarding sensation, movement, perception/cognition, affect, self-care, and work-related skills.

OTA 140 Professional Skills I 0 3 0 1
Prerequisites: Enrollment in the Occupational Therapy Assistant Program
Corequisites: OTA 110, OTA 120

This course introduces the roles and responsibilities of COTAs/OTRs in OT practice and facilitates development of observation, documentation, and therapeutic use of self skills. Topics include Code of Ethics, roles/responsibilities, credentialing/licensing, documentation, therapeutic use of self and professional identity/behavior, supervisory relationships, time management, and observation skills. Upon completion, students should be able to demonstrate ethical behavior, discriminate between roles/responsibilities of OTAs/OTs, and participate in acceptable supervision, documentation, and scheduling.

OTA 150 Life Span Skills I 2 3 0 3
Prerequisites: OTA 110, OTA 120, OTA 140
Corequisites: OTA 130, OTA 161, PSY 241 and OTA 170

This course is designed to use knowledge gained from PSY 241 as it applies to OT practice from birth to adolescence. Topics include review of normal growth and development, identification/discussion of common disabilities/delays, assessment, treatment planning, and intervention approaches used with these populations. Upon completion, students should be able to identify/use assessments/screenings and interventions for infants through adolescents for selected disabilities/developmental delays in various settings.

OTA 161 Fieldwork I-Placement I 0 0 3 1
Prerequisites: OTA 120 and OTA 140, OTA 110
Corequisites: OTA 130, OTA 150, OTA 170

This course provides introductory-level clinical training opportunities. Emphasis is placed on observational and basic interactional skills in a setting with a culturally diverse client population. Upon completion, students should be able to use observational and interactional skills to relate effectively with clients under the guidance/direction of fieldwork supervisors.

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OTA 162 Fieldwork I-Placement II 0 0 3 1
Prerequisites: OTA 120, OTA 130, OTA 140, OTA 150, OTA 161, OTA 170
Corequisites: OTA 220

This course provides introductory-level clinical training opportunities. Emphasis is placed on observational and basic interactional skills in a setting with a culturally diverse client population. Upon completion, students should be able to use observational and interactional skills to relate effectively with clients under the guidance/direction of fieldwork supervisors.

OTA 163 Fieldwork I-Placement III 0 0 3 1
Prerequisites: OTA 120, OTA 140, OTA 220
Corequisites: OTA 180, OTA 240, OTA 250

This course provides introductory-level clinical training opportunities. Emphasis is placed on observational and basic interactional skills in a setting with a culturally diverse client population. Upon completion, students should be able to use observational and interactional skills to relate effectively with clients under the guidance/direction of fieldwork supervisors.

OTA 170 Physical Dysfunction 2 3 0 3
Prerequisites: OTA 110, OTA 120, OTA 140
Corequisites: OTA 130, OTA 150, OTA 161

This course is designed to provide knowledge and skills needed for working with individuals experiencing varied medical/physical conditions within their socioeconomic and cultural environments. Topics include medical terminology, common diagnoses, structures/functions that change with disease processes, assessment/treatment priorities for specific problems/conditions, treatment planning, and intervention. Upon completion, students should be able to recognize common symptoms, prioritize problems, and provide for patient safety and infection control when planning and implementing treatment. Kinesiology and fundamentals of movement analysis will also be included in this course.

OTA 180 Psychosocial Dysfunction 2 3 0 3
Prerequisites: OTA 220 and PSY 281
Corequisites: OTA 163, OTA 240, OTA 250

This course uses theories/principles related to psychological/psychiatric health and illnesses and provides training in assessing/treating symptoms of dysfunction and therapeutic use of self and groups. Topics include psychiatric illnesses, symptoms of dysfunction, assessment and treatment of individuals, planning and facilitating therapeutic groups, client safety, and psychosocial aspects of practice. Upon completion, students should be able to effectively plan and conduct individual and group treatment for client conditions related to psychosocial dysfunction recognizing temporal/socioeconomic/cultural contexts.

OTA 220 Media II 1 6 0 3
Prerequisites: OTA 120, OTA 130, OTA 150, OTA 161, OTA 170
Corequisites: OTA 162

This course provides training in appropriate and accurate assessment and intervention skills related to orthotics, pros-

Class Lab Clinical Credit

thetics, assistive devices, environmental controls, and ADA issues. Topics include ergonomics and hand function, splint selection/fabrication, changes that improve access for persons with disabilities, use of modalities in treatment, and computers in OT intervention. Upon completion, students should be able to demonstrate proficiency fabricating/monitoring orthotic devices, constructing/modifying assistive devices, using ADA guidelines, and using computers for therapeutic purposes.

OTA 240 Professional Skills II 0 3 0 1
Prerequisites: OTA 140, OTA 220
Corequisites: OTA 163, OTA 180, OTA 250

This course builds upon and expands skills developed in OTA 140 with emphasis on documentation, supervisory relationships, involvement in the profession, and clinical management skills. Topics include clarification of roles/responsibilities, detailed examination of the supervisory process, professional participation in organizations, and the mechanics of assisting in clinic operations. Upon completion, students should be able to work effectively with a supervisor, plan/implement a professional activity, and perform routine clinic management tasks.

OTA 250 Life Span Skills II 2 3 0 3
Prerequisites: OTA 220
Corequisites: OTA 163, OTA 170, OTA 180, OTA 240. PSY 240

This course uses knowledge gained from PSY 241 as it applies to OT practice from young adulthood through old age. Emphasis is placed on identification/discussion of common disabilities/chronic diseases, assessments, planning and interventions used with these populations, and activity programming. Upon completion, students should be able to identify/use assessments, interventions, and activities for adults with selected disabilities/losses in various settings.

OTA 260 Fieldwork II-Placement I 0 0 18 6
Prerequisites: Completion of all OTA Program Didactic Coursework
Corequisites: OTA 261, OTA 280
This course provides clinical experience under the direct supervision of experienced OTR or COTA personnel working in various practice settings. Emphasis is placed on final clinical preparation for entry-level practice in the profession. Upon completion, students should be able to meet all critical competencies established by the curriculum and AOTA guidelines for entry-level practice.

OTA 261 Fieldwork II-Placement II 0 0 18 6
Prerequisites: Completion of OTA Program Didactic Coursework
Corequisites: OTA 260, OTA 280

This course provides clinical experience under the direct supervision of experienced OTR or COTA personnel working in various practice settings. Emphasis is placed on final clinical preparation for entry-level practice in the profession. Upon completion, students should be able to meet all critical competencies established by the curriculum and AOTA guidelines for entry-level practice.

Class Lab Clinical Credit

PBT 100 Phlebotomy Technology 5 2 0 6
Prerequisites: Enrollment in the Phlebotomy Technology program
Corequisites: PBT 101

This course provides instruction in the skills needed for the proper collection of blood and other specimens used for diagnostic testing. Emphasis is placed on ethics, legalities, medical terminology, safety and universal precautions, health care delivery systems, patient relations, anatomy and physiology, and specimen collection. Upon completion, students should be able to demonstrate competence in the theoretical comprehension of phlebotomy techniques.

PBT 101 Phlebotomy Practicum 0 0 9 3
Prerequisites: Enrollment in the Phlebotomy Technology program
Corequisites: PBT 100

This course provides supervised experience in the performance of venipuncture and microcollection techniques in a clinical facility. Emphasis is placed on patient interaction and application of universal precautions, proper collection techniques, special procedures, specimen handling, and data management. Upon completion, students should be able to safely perform procedures necessary for specimen collections on patients in various health care settings.

PCI 162 Instrumentation Controls 2 3 0 3
Prerequisites: ELC 111 or ELC 131
Corequisites: None

This course surveys industrial process control instrumentation concepts, devices, and systems. Topics include process control devices and process control applications associated with industrial instrumentation. Upon completion, students should be able to demonstrate a basic understanding of the various industrial process control and instrumentation systems.

PCI 261 Process Measurement 2 3 0 3
Prerequisites: PCI 162
Corequisites: None

This course introduces the concepts associated with the measurement of different process variables. Topics include theory and applications involved with the process variables of flow, level, pressure, and temperature. Upon completion, students should be able to understand basic process measurements and demonstrate the ability to calibrate process control instrumentation.

PED 110 Fit and Well for Life 1 2 0 2
Prerequisites: Proficiency in Reading - A grade of “C” or better in ENG 085 or RED 080 OR minimum Accuplacer score of 57 on Reading.
Corequisites: None

This course is designed to investigate and apply the basic concepts and principles of lifetime physical fitness and other health-related factors. Emphasis is placed on wellness through the study of nutrition, weight control, stress management, and consumer facts on exercise and fitness. Upon completion, students should be able to plan a personal, lifelong fitness program based on individual needs, abilities, and interests. *This course has been approved to satisfy the Comprehensive Articulation Agreement for transferability as a premajor and/or elective course requirement.*

Note: Some PED 110 distance learning courses require membership at an approved commercial facility.

PED 113 Aerobics I 0 3 0 1
Prerequisites: None
Corequisites: None

This course introduces a program of cardiovascular fitness involving continuous, rhythmic exercise. Emphasis is placed on developing cardiovascular efficiency, strength, and flexibility and on safety precautions. Upon completion, students should be able to select and implement a rhythmic aerobic exercise program. *This course has been approved to satisfy the Comprehensive Articulation Agreement for transferability as a pre-major and/or elective course requirement.*

PED 117 Weight Training 0 3 0 1
Prerequisites: None
Corequisites: None

This course introduces the basics of weight training. Emphasis is placed on developing muscular strength, muscular endurance, and muscle tone. Upon completion, students should be able to establish and implement a personal weight training program. *This course has been approved to satisfy the Comprehensive Articulation Agreement for transferability as a premajor and/or elective course requirement.*

Note: This course requires membership to an approved commercial facility. Membership costs approximately $120.00 (subject to change). No textbook is required.

PED 120 Walking for Fitness 0 3 0 1
Prerequisites: None
Corequisites: None

This course introduces fitness through walking. Emphasis is placed on stretching, conditioning exercises, proper clothing, fluid needs, and injury prevention. Upon completion, students should be able to participate in a recreational walking program. *This course has been approved to satisfy the Comprehensive Articulation Agreement for transferability as a premajor and/or elective course requirement.*

PED 124 Run, Swim, Cycle 0 3 0 1
Prerequisite: None
Corequisites: None

This course introduces the sport of the triathlon. Topics include the rules, equipment, and skills necessary for the triathlon. Upon completion, students should be able to participate in a triathlon competition. *This course has been approved to satisfy the Comprehensive Articulation Agreement for transferability as a premajor and/or elective course requirement.*

Note: This course requires membership to an approved commercial facility. Membership costs approximately $120.00 (subject to change). No textbook is required.

PED 125 Self-Defense-Beginning 0 2 0 1
Prerequisites: None
Corequisites: None

This course is designed to aid students in developing rudimentary skills in self-defense. Emphasis is placed on stances, blocks, punches, and kicks as well as non-physical means of self-defense. Upon completion, students should be able to demonstrate basic self-defense techniques of a physical and non-physical nature. *This course has been approved to satisfy the Comprehensive Articulation Agreement for transferability as a pre-major and/or elective course requirement.*

PED 128 Golf-Beginning 0 2 0 1
Prerequisites: None
Corequisites: None

This course emphasizes the fundamentals of golf. Topics include the proper grips, stance, alignment, swings for the short and long game, putting, and the rules and etiquette of golf. Upon completion, students should be able to perform the basic golf shots and demonstrate a knowledge of the rules and etiquette of golf. *This course has been approved to satisfy the Comprehensive Articulation Agreement for transferability as a pre-major and/or elective course requirement.*

PED 130 Tennis-Beginning 0 2 0 1
Prerequisites: None
Corequisites: None

This course emphasizes the fundamentals of tennis. Topics include basic strokes, rules, etiquette, and court play. Upon completion, students should be able to play recreational tennis. *This course has been approved to satisfy the Comprehensive Articulation Agreement for transferability as a pre-major and/or elective course requirement.*

PED 132 Racquetball-Beginning 0 2 0 1
Prerequisite: None
Corequisite: None

This course introduces the fundamentals of racquetball. Emphasis is placed on rules, fundamentals, and strategies of beginning racquetball. Upon completion, students should be able to play recreational racquetball. *This course has been approved to satisfy the Comprehensive Articulation Agreement for transferability as a premajor and/or elective course requirement.*

Note: This course requires membership to an approved commercial facility. Membership costs approximately $120.00 (subject to change). No textbook is required.

	Class	Lab	Clinical	Credit
PED 143 Volleyball-Beginning	0	2	0	1

Prerequisites: None
Corequisites: None

This course covers the fundamentals of volleyball. Emphasis is placed on the basics of serving, passing, setting, spiking, blocking, and the rules and etiquette of volleyball. Upon completion, student should be able to participate in recreational volleyball. *This course has been approved to satisfy the Comprehensive Articulation Agreement for transferability as a pre-major and/or elective course requirement.*

	Class	Lab	Clinical	Credit
PED 145 Basketball-Beginning	0	2	0	1

Prerequisites: None
Corequisites: None

This course covers the fundamentals of basketball. Emphasis is placed on skill development, knowledge of the rules, and basic game strategy. Upon completion, students should be able to participate in recreational basketball. *This course has been approved to satisfy the Comprehensive Articulation Agreement for transferability as a pre-major and/or elective course requirement.*

	Class	Lab	Clinical	Credit
PED 147 Soccer	0	2	0	1

Prerequisites: None
Corequisites: None

This course introduces the basics of soccer. Emphasis is placed on rules, strategies, and fundamental skills. Upon completion, students should be able to participate in recreational soccer. *This course has been approved to satisfy the Comprehensive Articulation Agreement for transferability as a pre-major and/or elective course requirement.*

	Class	Lab	Clinical	Credit
PED 148 Softball	0	2	0	1

Prerequisites: None
Corequisites: None

This course introduces the fundamental skills and rules of softball. Emphasis is placed on proper techniques and strategies for playing softball. Upon completion, students should be able to participate in recreational softball. *This course has been approved to satisfy the Comprehensive Articulation Agreement for transferability as a pre-major and/or elective course requirement.*

	Class	Lab	Clinical	Credit
PED 149 Flag Football	0	2	0	1

Prerequisites: None
Corequisites: None

This course introduces the fundamentals and rules of flag football. Emphasis is placed on proper techniques and strategies for playing game situations. Upon completion, students should be able to participate in recreational flag football. *This course has been approved to satisfy the Comprehensive Articulation Agreement for transferability as a premajor and/or elective course requirement.*

	Class	Lab	Clinical	Credit
PED 154 Swimming for Fitness	0	3	0	1

Prerequisite: None
Corequisite: None

This course introduces lap swimming, aquacises, water activities, and games. Emphasis is placed on increasing cardiovascular efficiency through aquatic exercise. Upon completion, students should be able to develop an individualized aquatic fitness program. *This course has been approved to satisfy the Comprehensive Articulation Agreement for transferability as a premajor and/or elective course requirement.*

Note: This course requires membership to an approved commercial facility. Membership costs approximately $120.00 (subject to change). No textbook is required.

	Class	Lab	Clinical	Credit
PED 170 Backpacking	0	2	0	1

Prerequisites: None
Corequisites: None

This course covers the proper techniques for establishing a campsite, navigating in the wilderness, and planning for an overnight trip. Topics include planning for meals, proper use of maps and compass, and packing and dressing for extended periods in the outdoors. Upon completion, students should be able to identify quality backpacking equipment, identify the principles of no-trace camping, and successfully complete a backpacking experience. *This course has been approved to satisfy the Comprehensive Articulation Agreement for transferability as a pre-major and/or elective course requirement.*

	Class	Lab	Clinical	Credit
PED 210 Team Sports	0	3	0	1

Prerequisites: None
Corequisites: None

This course introduces the fundamentals of popular American team sports. Emphasis is placed on rules, equipment, and motor skills used in various sports. Upon completion, students should be able to demonstrate knowledge of the sports covered. *This course has been approved to satisfy the Comprehensive Articulation Agreement for transferability as a premajor and/or elective course requirement.*

	Class	Lab	Clinical	Credit
PED 211 New Games	0	2	0	1

Prerequisite: None
Corequisite: None

This course includes explanation, demonstration, and participation in games that provide an alternative to traditional sports. Emphasis is placed on playing for pleasure rather than for competitive purposes. Upon completion, students should be able to participate and lead others in participating in noncompetitive games. *This course has been approved to satisfy the Comprehensive Articulation Agreement for transferability as a premajor and/or elective course requirement.*

Class Lab Clinical Credit

PED 216 Indoor Cycling 0 3 0 1
Prerequisite: None
Corequisite: None

This course is designed to promote physical fitness through indoor stationary cycling. Emphasis is placed on pedaling techniques, safety procedures, and conditioning exercises necessary for cycling. Upon completion, students should have improved cariovascular and muscular endurance and be able to design and participate in a cycling for fitness program. *This course has been approved to satisfy the Comprehensive Articulation Agreement for transferability as a premajor and/or elective course requirement.*

Note: This course requires membership to an approved commercial facility. Membership costs approximately $120.00 (subject to change). No textbook is required.

PED 219 Disc Golf 0 2 0 1
Prerequisite: None
Corequisite: None

This course introduces the fundamentals of disc golf. Emphasis is placed on basic throwing techniques, putting, distance driving, scoring, and single and doubles play. Upon completion, students should be able to perform the skills required in playing situations. *This course has been approved to satisfy the Comprehensive Articulation Agreement for transferability as a premajor and/or elective course requirement.*

PHI 210 History of Philosophy 3 0 0 3
Prerequisites: ENG 111
Corequisites: None

This course introduces fundamental philosophical issues through an historical perspective. Emphasis is placed on such figures as Plato, Aristotle, Lao-Tzu, Confucius, Augustine, Aquinas, Descartes, Locke, Kant, Wollstonecraft, Nietzsche, and Sartre. Upon completion, students should be able to identify and distinguish among the key positions of the philosophers studied. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in humanities/fine arts. This course may meet the SACS humanities/fine arts requirement for AA, AS, AFA, AGE, AAS, DIP, or CER programs.*

PHI 215 Philosophical Issues 3 0 0 3
Prerequisites: ENG 111
Corequisites: None

This course introduces fundamental issues in philosophy considering the views of classical and contemporary philosophers. Emphasis is placed on knowledge and belief, appearance and reality, determinism and free will, faith and reason, and justice and inequality. Upon completion, students should be able to identify, analyze, and critique the philosophical components of an issue. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in humanities/fine arts. This course may meet the SACS humanities/fine arts requirement for AA, AS, AFA, AGE, AAS, DIP, or CER programs.*

Class Lab Clinical Credit

PHI 220 Western Philosophy I 3 0 0 3
Prerequisites: ENG 111
Corequisites: None

This course covers Western intellectual and philosophic thought from the early Greeks through the medievalists. Emphasis is placed on such figures as the pre-Socratics, Plato, Aristotle, Epicurus, Epictetus, Augustine, Suarez, Anselm, and Aquinas. Upon completion, students should be able to trace the development of leading ideas regarding reality, knowledge, reason, and faith. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in humanities/fine arts. This course may meet the SACS humanities/fine arts requirement for AA, AS, AFA, AGE, AAS, DIP, or CER programs.*

PHI 221 Western Philosophy II 3 0 0 3
Prerequisites: ENG 111
Corequisites: None

This course covers Western intellectual and philosophic thought from post-medievalists through recent thinkers. Emphasis is placed on such figures as Descartes, Spinoza, Leibnitz, Locke, Berkeley, Hume, Kant, Hegel, Marx, Mill, and representatives of pragmatism, logical positivism, and existentialism. Upon completion, students should be able to trace the development of leading ideas concerning knowledge, reality, science, society, and the limits of reason. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in humanities/fine arts. This course may meet the SACS humanities/fine arts requirement for AA, AS, AFA, AGE, AAS, DIP, or CER programs.*

PHI 230 Introduction to Logic 3 0 0 3
Prerequisites: ENG 111
Corequisites: None

This course introduces basic concepts and techniques for distinguishing between good and bad reasoning. Emphasis is placed on deduction, induction, validity, soundness, syllogisms, truth functions, predicate logic, analogical inference, common fallacies, and scientific methods. Upon completion, students should be able to analyze arguments, distinguish between deductive and inductive arguments, test validity, and appraise inductive reasoning. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in humanities/fine arts. This course may meet the SACS humanities/fine arts requirement for AA, AS, AFA, AGE, AAS, DIP, or CER programs.*

PHI 240 Introduction to Ethics 3 0 0 3
Prerequisites: ENG 111
Corequisites: None

This course introduces theories about the nature and foundations of moral judgments and applications to contemporary moral issues. Emphasis is placed on utilitarianism, rule-based ethics, existentialism, relativism versus objectivism, and egoism. Upon completion, students should be able to apply various ethical theories to individual moral issues such as euthanasia, abortion, crime and punishment, and justice. *This course has been approved to satisfy the Comprehensive Articulation Agreement*

Class Lab Clinical Credit

general education core requirement in humanities/fine arts. This course may meet the SACS humanities/fine arts requirement for AA, AS, AFA, AGE, AAS, DIP, or CER programs.

PHI 250 Philosophy of Science 3 0 0 3
Prerequisites: ENG 111 and MAT 161 or MAT 171 or MAT 175
Corequisites: None

This course introduces the concepts of empirical observations and laws and their role in scientific explanation, prediction, and theory formation. Topics include the relationship between the philosophy of science and inductive/deductive logic, analytic philosophy, logical empiricism, and explanatory paradigms. Upon completion, students should be able to describe the development and role of scientific explanation, prediction, theory formation, and explanatory paradigms in the natural and social sciences. *This course has been approved to satisfy the Comprehensive Articulation Agreement for transferability as a pre-major and/or elective course requirement.*

PHM 110 Introduction to Pharmacy 3 0 0 3
Prerequisites: None
Corequisites: None

This course introduces pharmacy practice and the technician's role in a variety of pharmacy settings. Topics include medical terminology and abbreviations, drug delivery systems, law and ethics, prescription and medication orders, and the health care system. Upon completion, students should be able to explain the role of pharmacy technicians, read and interpret drug orders, describe quality assurance, and utilize pharmacy references.

PHM 111 Pharmacy Practice I 3 3 0 4
Prerequisites: Enrollment in the Pharmacy Technology program
Corequisites: PHM 110, 115, 115A, BIO 163

This course provides instruction in the technical procedures for preparing and dispensing drugs in the hospital and retail settings under supervision of a registered pharmacist. Topics include drug packaging and labeling, out-patient dispensing, hospital dispensing procedures, controlled substance procedures, inventory control, and non-sterile compounding. Upon completion, students should be able to perform basic supervised dispensing techniques in a variety of pharmacy settings.

PHM 115 Pharmacy Calculations 3 0 0 3
Prerequisites: None
Corequisites: None

This course provides an introduction to the metric, avoirdupois, and apothecary systems of measurement and the calculations used in pharmacy practice. Topics include ratio and proportion, dosage determinations, percentage preparations, reducing and enlarging formulas, dilution and concentration, aliquots, specific gravity and density, and flow rates. Upon completion, students should be able to correctly perform calculations required to properly prepare a medication order.

Class Lab Clinical Credit

PHM 115A Pharm Calculations Lab 0 2 0 1
Prerequisites: None
Corequisites: None

This course provides an opportunity to practice and perform calculations encountered in pharmacy practice. Emphasis is placed on ratio and proportion, dosage calculations, percentage, reduction/enlargement formulas, aliquots, flow rates, and specific gravity/density. Upon completion, students should be able to perform the calculations required to properly prepare a medication order.

PHM 118 Sterile Products 3 3 0 4
Prerequisites: PHM 110, 111
Corequisites: PHM 120, 136

This course provides an introduction to intravenous admixture preparation and other sterile products, including total parenteral nutrition and chemotherapy. Topics include aseptic techniques; facilities, equipment, and supplies utilized in admixture preparation; incompatibility and stability; laminar flow hoods; immunizations and irrigation solutions; and quality assurance. Upon completion, students should be able to describe and demonstrate the steps involved in preparation of intermittent and continuous infusions, total parenteral nutrition, and chemotherapy.

PHM 120 Pharmacology I 3 0 0 3
Prerequisites: PHM 110, 111
Corequisites: PHM 118, 136

This course introduces the study of the properties, effects, and therapeutic value of the primary agents in the major drug categories. Topics include nutritional products, blood modifiers, hormones, diuretics, cardiovascular agents, respiratory drugs, and gastrointestinal agents. Upon completion, students should be able to place major drugs into correct therapeutic categories and identify indications, side effects, and trade and generic names.

PHM 125 Pharmacology II 3 0 0 3
Prerequisites: PHM 110, 111, 120
Corequisites: PHM 133, 140

This course provides a continuation of the study of the properties, effects, and therapeutic value of the primary agents in the major drug categories. Topics include autonomic and central nervous system agents, anti-inflammatory agents, and anti-infective drugs. Upon completion, students should be able to place major drugs into correct therapeutic categories and identify indications, side effects, and trade and generic names.

PHM 133 Pharmacy Clinical 0 0 9 3
Prerequisites: None
Corequisites: None

This course provides an opportunity to work in pharmacy settings under a pharmacist's supervision. Emphasis is placed on effective communication with personnel, developing proper employee attitude, and dispensing of medications. Upon completion, students should be able to demonstrate an understanding of pharmacy operations, utilize references, dispense medications, prepare patient charges, and efficiently operate computers

PHM 135 Pharmacy Clinical 0 0 15 5
Prerequisites: None
Corequisites: None

This course provides an opportunity to work in pharmacy settings under a pharmacist's supervision. Emphasis is placed on effective communication with personnel, developing proper employee attitude, and dispensing of medications. Upon completion, students should be able to demonstrate an understanding of pharmacy operations, utilize references, dispense medications, prepare patient charges, and efficiently operate computers.

PHM 136 Pharmacy Clinical 0 0 18 6
Prerequisites: PHM 110, 111
Corequisites: PHM 118, 120

This course provides an opportunity to work in pharmacy settings under a pharmacist's supervision. Emphasis is placed on effective communication with personnel, developing proper employee attitude, and dispensing of medications. Upon completion, students should be able to demonstrate an understanding of pharmacy operations, utilize references, dispense medications, prepare patient charges, and efficiently operate computers.

PHM 140 Trends in Pharmacy 2 0 0 2
Prerequisites: PHM 110, 111
Corequisites: PHM 125, 133, 140

This course covers the major issues, trends, and concepts in contemporary pharmacy practice. Topics include professional ethics, continuing education, job placement, and the latest developments in pharmacy technician practice. Upon completion, students should be able to demonstrate a basic knowledge of the topics discussed.

PHM 150 Hospital Pharmacy 3 3 0 4
Prerequisites: None
Corequisites: PHM 118

This course provides an in-depth study of hospital pharmacy practice. Topics include hospital organizational structure, committee functions, utilization of reference works, purchasing and inventory control, drug delivery systems, and intravenous admixture preparation. Upon completion, students should be able to explain hospital organization/committee functions, interpret and enter patient orders, fill unit-dose cassettes, and prepare intravenous admixtures.

PHM 155 Community Pharmacy 2 2 0 3
Prerequisites: None
Corequisites: None

This course covers the operational procedures relating to retail pharmacy. Emphasis is placed on a general knowledge of over-the-counter products, prescription processing, business/inventory management, and specialty patient services. Upon completion, students should be able to provide technical assistance and support to the retail pharmacist.

PHM 160 Pharm Dosage Forms 3 0 0 3
Prerequisites: None
Corequisites: None

This course is a study of pharmaceutical dosage forms and considerations in their manufacture. Topics include bioavailability, routes of administration, tablets, capsules, solutions, syrups, suspensions, elixirs, aerosols, transdermals, topicals, ophthalmics, otics, and other dosage forms. Upon completion, students should be able to describe the characteristics of the major dosage forms and explain how these characteristics affect the action of the drug.

PHM 165 Pharmacy Prof Practice 2 0 0 2
Prerequisites: None
Corequisites: None

This course provides a general overview of all aspects of pharmacy technician practice. Emphasis is placed on pharmacy law, calculations, compounding, pharmacology, and pharmacy operations. Upon completion, students should be able to demonstrate competence in the areas required for the Pharmacy Technician Certification Examination

PHM 265 Professional Issues 3 0 0 3
Prerequisites: PHM 165
Corequisites: None

This course provides a comprehensive discussion of topics common to the practice of the pharmacy technician. Emphasis is placed on application of professional competencies including legal/ethical issues, leadership/management concepts and employability skills. Upon completion, students should be able to demonstrate competence in pharmacy workplace skills and leadership/management roles.

PHY 110 Conceptual Physics 3 0 0 3
Prerequisites: Proficiency in Reading - A grade of "C" or better in ENG 095 or RED 090 OR minimum Accuplacer score of 80 on Reading
Corequisites: PHY 110A

This course provides a conceptually-based exposure to the fundamental principles and processes of the physical world. Topics include basic concepts of motion, forces, energy, heat, electricity, magnetism, and the structure of matter and the universe. Upon completion, students should be able to describe examples and applications of the principles studied. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in natural sciences/mathematics. This course may meet the SACS natural science requirement for AA, AS, AFA, AGE,AAS, DIP, or CER programs.*

Class Lab Clinical Credit

PHY 110A Conceptual Physics Lab 0 2 0 1
Prerequisites: Proficiency in Reading - A grade of “C” or better in ENG 095 or RED 090 OR minimum Accuplacer score of 80 on Reading
Corequisites: PHY 110

This course is a laboratory for PHY 110. Emphasis is placed on laboratory experiences that enhance materials presented in PHY 110. Upon completion, students should be able to apply the laboratory experiences to the concepts presented in PHY 110. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in natural sciences/mathematics. This course may meet the SACS natural science requirement for AA, AS, AFA, AGE, AAS, DIP, or CER programs.*

PHY 131 Physics-Mechanics 3 2 0 4
Prerequisites: MAT 121 or MAT 161 or MAT 171 or MAT 175
Corequisites: None

This algebra/trigonometry-based course introduces fundamental physical concepts as applied to engineering technology fields. Topics include systems of units, problem-solving methods, graphical analysis, vectors, motion, forces, Newton’s laws of motion, work, energy, power, momentum, and properties of matter. Upon completion, students should be able to apply the principles studied to applications in engineering technology fields. *This course may meet the SACS natural science requirement for AGE, AAS, DIP, or CER programs.*

PHY 132 Physics-Elec & Magnetism 3 2 0 4
Prerequisite: PHY 131
Corequisite: None

This algebra/trigonometry-based course is a study of fundamental physical concepts as applied to engineering technology fields. Topics include systems of units, problem-solving methods, graphical analysis, waves, electricity, magnetism, circuits, transformers, motors, and generators. Upon completion, student should be able to apply the principles studied to applications in engineering technology fields. This course has been approved to satisfy the Comprehensive Articulation Agreement for transferability as a premajor and/or elective course requirement. *This course may meet the SACS natural science requirement for AGE, AAS, DIP, or CER program.*

PHY 151 College Physics I 3 2 0 4
Prerequisites: MAT 161 or MAT 171 or MAT 175
Corequisites: None

This course uses algebra- and trigonometry-based mathematical models to introduce the fundamental concepts that describe the physical world. Topics include units and measurement, vectors, linear kinematics and dynamics, energy, power, momentum, fluid mechanics, and heat. Upon completion, students should be able to demonstrate an understanding of the principles involved and display analytical problem-solving ability for the topics covered. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in natural sciences/mathematics. This course may meet the SACS natural science requirement for AA, AS, AFA, AGE, AAS, DIP, or CER programs.*

PHY 152 College Physics II 3 2 0 4
Prerequisites: PHY 151
Corequisites: None

This course uses algebra- and trigonometry-based mathematical models to introduce the fundamental concepts that describe the physical world. Topics include electrostatic forces, electric fields, electric potentials, direct-current circuits, magnetostatic forces, magnetic fields, electromagnetic induction, alternating-current circuits, and light. Upon completion, students should be able to demonstrate an understanding of the principles involved and display analytical problem-solving ability for the topics covered. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in natural sciences/mathematics. This course may meet the SACS natural science requirement for AA, AS, AFA, AGE, AAS, DIP, or CER programs.*

PLU 111 Intro to Basic Plumbing 1 3 0 2
Prerequisites: None
Corequisites: None

This course introduces basic plumbing tools, materials, and fixtures. Topics include standard tools, materials, and fixtures used in basic plumbing systems and other related topics. Upon completion, students should be able to demonstrate an understanding of a basic plumbing system.

PMT-110 Introduction to Project Management 3 0 0 3
Prerequisites: CIS 110 or CIS 111
Corequisites: None

This course introduces project management fundamentals and principles for organizing, planning, implementing, and controlling nonroutine activities to achieve schedule, budget and performance objectives. Topics include project life cycles; work breakdown structures; responsibility matrixes; as well as planning and control methods such as PERT/CPM and Gantt charts. Upon completion, students should be able to demonstrate knowledge, strategies, and techniques needed to create and execute plans for project development and management.

POL 110 Intro Political Science 3 0 0 3
Prerequisites: Proficiency in Reading - A grade of “C” or better in ENG 095 or RED 090 OR minimum Accuplacer score of 80 on Reading
Corequisites: None

This course introduces basic political concepts used by governments and addresses a wide range of political issues. Topics include political theory, ideologies, legitimacy, and sovereignty in democratic and non-democratic systems. Upon completion, students should be able to discuss a variety of issues inherent in all political systems and draw logical conclusions in evaluating these systems. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in social/behavioral sciences. This course may*

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meet the SACS social/behavioral science requirement for AA, AS, AFA, AGE, AAS, DIP, or CER programs.

POL 120 American Government 3 0 0 3
Prerequisites: Proficiency in Reading - A grade of “C” or better in ENG 095 or RED 090 OR minimum Accuplacer score of 80 on Reading
Corequisites: None

This course is a study of the origins, development, structure, and functions of American national government. Topics include the constitutional framework, federalism, the three branches of government including the bureaucracy, civil rights and liberties, political participation and behavior, and policy formation. Upon completion, students should be able to demonstrate an understanding of the basic concepts and participatory processes of the American political system. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in social/behavioral sciences. This course may meet the SACS social/behavioral science requirement for AA, AS, AFA, AGE, AAS, DIP, or CER programs.*

POL 210 Comparative Government 3 0 0 3
Prerequisites: Proficiency in Reading - A grade of “C” or better in ENG 095 or RED 090 OR minimum Accuplacer score of 80 on Reading
Corequisites: None

This course provides a cross-national perspective on the government and politics of contemporary nations such as Great Britain, France, Germany, and Russia. Topics include each country’s historical uniqueness, key institutions, attitudes and ideologies, patterns of interaction, and current political problems. Upon completion, students should be able to identify and compare various nations’ governmental structures, processes, ideologies, and capacity to resolve major problems. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in social/behavioral sciences. This course may meet the SACS social/behavioral science requirement for AA, AS, AFA, AGE, AAS, DIP, or CER programs.*

POL 220 International Relations 3 0 0 3
Prerequisites: Proficiency in Reading - A grade of “C” or better in ENG 095 or RED 090 OR minimum Accuplacer score of 80 on Reading
Corequisites: None

This course provides a study of the effects of ideologies, trade, armaments, and alliances on relations among nationstates. Emphasis is placed on regional and global cooperation and conflict, economic development, trade, nongovernmental organizations, and international institutions such as the World Court and UN. Upon completion, students should be able to identify and discuss major international relationships, institutions, and problems. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in social/behavioral sciences. This course may meet the SACS social/behavioral science requirement for AA, AS, AFA, AGE, AAS, DIP, or CER programs.*

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PSY 118 Interpersonal Psychology 3 0 0 3
Prerequisites: Proficiency in Reading - A grade of “C” or better in ENG 095 or RED 090 OR minimum Accuplacer score of 80 on Reading
Corequisites: None

This course introduces the basic principles of psychology as they relate to personal and professional development. Emphasis is placed on personality traits, communication/leadership styles, effective problem solving, and cultural diversity as they apply to personal and work environments. Upon completion, students should be able to demonstrate an understanding of these principles of psychology as they apply to personal and professional development. *This course may meet the SACS social/behavioral science requirement for AGE, AAS, DIP, or CER programs.*

PSY 150 General Psychology 3 0 0 3
Prerequisites: Proficiency in Reading - A grade of “C” or better in ENG 095 or RED 090 OR minimum Accuplacer score of 80 on Reading
Corequisites: None

This course provides an overview of the scientific study of human behavior. Topics include history, methodology, biopsychology, sensation, perception, learning, motivation, cognition, abnormal behavior, personality theory, social psychology, and other relevant topics. Upon completion, students should be able to demonstrate a basic knowledge of the science of psychology. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in social/behavioral sciences. This course may meet the SACS social/behavioral science requirement for AA, AS, AFA, AGE, AAS, DIP, or CER programs.*

PSY 211 Psychology of Adjustment 3 0 0 3
Prerequisites: PSY 150
Corequisites: None

This course introduces the study of the adjustment process focusing on contemporary challenges individuals must deal with in everyday life. Topics include theories of behavior, career choices, self-understanding, coping mechanisms, human relationships, intimacy, sociocultural factors influencing healthy personal adjustment, and other related topics. Upon completion, students should be able to demonstrate an awareness of the processes of adjustment. *This course has been approved to satisfy the Comprehensive Articulation Agreement for transferability as a pre-major and/or elective course requirement. This course may meet the SACS social/behavioral science requirement for AGE, AAS, DIP, or CER programs.*

PSY 241 Developmental Psych 3 0 0 3
Prerequisites: PSY 150
Corequisites: None

This course is a study of human growth and development. Emphasis is placed on major theories and perspectives as they relate to the physical, cognitive, and psychosocial aspects of development from conception to death. Upon completion, students should be able to demonstrate knowledge of development across the life span. *This course has been approved to satisfy* *the Comprehensive Articulation Agreement general education core requirement in social/behavioral sciences. This course may meet the SACS social/behavioral science requirement for AA, AS, AFA, AGE, AAS, DIP, or CER degree programs.*

PSY 259 Human Sexuality 3 0 0 3
Prerequisites: PSY 150
Corequisites: None

This course provides the biological, psychological, and sociocultural aspects of human sexuality and related research. Topics include reproductive biology, sexual and psychosexual development, sexual orientation, contraception, sexually transmitted diseases, sexual disorders, theories of sexuality, and related issues. Upon completion, students should be able to demonstrate an overall knowledge and understanding of human sexuality. *This course has been approved to satisfy the Comprehensive Articulation Agreement pre-major and/or elective course requirement. This course may meet the SACS social/behavioral science requirement for AGE, AAS, DIP, or CER programs.*

PSY 263 Educational Psychology 3 0 0 3
Prerequisites: PSY 150
Corequisites: None

This course examines the application of psychological theories and principles to the educational process and setting. Topics include learning and cognitive theories, achievement motivation, teaching and learning styles, teacher and learner roles, assessment, and developmental issues. Upon completion, students should be able to demonstrate an understanding of the application of psychological theory to educational practice. *This course has been approved to satisfy the Comprehensive Articulation Agreement for transferability as a pre-major and/or elective course requirement. This course may meet the SACS social/behavioral science requirement for AGE, AAS, DIP, or CER programs.*

PSY 281 Abnormal Psychology 3 0 0 3
Prerequisites: PSY 150
Corequisites: None

This course provides an examination of the various psychological disorders, as well as theoretical, clinical, and experimental perspectives of the study of psychopathology. Emphasis is placed on terminology, classification, etiology, assessment, and treatment of the major disorders. Upon completion, students should be able to distinguish between normal and abnormal behavior patterns as well as demonstrate knowledge of etiology, symptoms, and therapeutic techniques. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in social/behavioral sciences. This course may meet the SACS social/behavior science requirement for AA, AS, AFA, AGE, AAS, DIP, or CER programs.*

RAD 110 Rad Intro & Patient Care 2 3 0 3
Prerequisites: None
Corequisites: RAD 111, and RAD 151

This course provides an overview of the radiography profession and student responsibilities. Emphasis is placed on basic principles of patient care, radiation protection, technical factors, and medical terminology. Upon completion, students should be able to demonstrate basic skills in these areas.

RAD 111 RAD Procedures I 3 3 0 4
Prerequisites: None
Corequisites: RAD 110, and RAD 151

This course provides the knowledge and skills necessary to perform standard radiographic procedures. Emphasis is placed on radiography of the chest, abdomen, extremities, spine, and pelvis. Upon completion, students should be able to demonstrate competence in these areas.

RAD 112 RAD Procedures II 3 3 0 4
Prerequisites: RAD 110, RAD 111,and RAD 151
Corequisites: None

This course provides the knowledge and skills necessary to perform standard radiographic procedures. Emphasis is placed on radiography of the skull, bony thorax, and gastrointestinal, biliary, and urinary systems. Upon completion, students should be able to demonstrate competence in these areas.

RAD 121 Radiographic Imaging I 2 3 0 3
Prerequisites: RAD 110, RAD 111, and RAD 151
Corequisites: None

This course provides the principles of conventional film-screen radiography. Emphasis is placed on the factors that impact density, contrast, recorded detail, and distortion. Upon completion, students should be able to demonstrate an understanding of conventional film-screen radiographic imaging.

RAD 122 Radiographic Imaging II 1 3 0 2
Prerequisites: RAD 112, RAD 121, and RAD 161
Corequisites: RAD 131 and RAD 171

This course provides advanced principles of imaging including digital radiography. Emphasis is placed on the factors that impact brightness, contrast, recorded detail, and distortion. Upon completion, students should be able to demonstrate an understanding of advanced principles of imaging.

RAD 131 Radiographic Physics I 1 3 0 2
Prerequisites: None
Corequisites: None

This course introduces the principles of radiation characteristics and production. Emphasis is placed on imaging equipment. Upon completion, students should be able to demonstrate a basic understanding of radiation characteristics and production.

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RAD 151 RAD Clinical Ed I 0 0 6 2
Prerequisites: None
Corequisites: RAD 110 and RAD 111

This course introduces patient management and basic radiographic procedures in the clinical setting. Emphasis is placed on mastering positioning of the chest and extremities, manipulating equipment, and applying principles of ALARA. Upon completion, students should be able to demonstrate successful completion of clinical objectives.

RAD 161 RAD Clinical Ed II 0 0 15 5
Prerequisites: RAD 110, RAD 111, and RAD 151
Corequisites: RAD 112 and RAD 121

This course provides additional experience in patient management and in more complex radiographic procedures. Emphasis is placed on mastering positioning of the spine, pelvis, head and neck, and thorax and adapting procedures to meet patient variations. Upon completion, students should be able to demonstrate successful completion of clinical objectives.

RAD 171 RAD Clinical Ed III 0 0 12 4
Prerequisites: RAD 112, RAD 121, and RAD 161
Corequisites: RAD 122 and RAD 131

This course provides experience in patient management specific to fluoroscopic and advanced radiographic procedures. Emphasis is placed on applying appropriate technical factors to all studies and mastering positioning of gastrointestinal and urological studies. Upon completion, students should be able to demonstrate successful completion of clinical objectives.

RAD 181 RAD Clinical Elective 0 0 3 1
Prerequisites: Enrollment in the Radiography Program
Corequisites: None

This course provides advanced knowledge of clinical applications. Emphasis is placed on enhancing clinical skills. Upon completion, students should be able to successfully complete the clinical course objectives.

RAD 211 RAD Procedures III 2 3 0 3
Prerequisites: RAD 122
Corequisites: RAD 231, RAD 241, and RAD 251

This course provides the knowledge and skills necessary to perform standard and specialty radiographic procedures. Emphasis is placed on radiographic specialty procedures, sectional anatomy, and advanced imaging. Upon completion, students should be able to demonstrate an understanding of these areas.

RAD 231 Radiographic Physics II 1 3 0 2
Prerequisites: RAD 171 or RAD 131
Corequisites: None

This course provides advanced principles of radiation characteristics and production including digital imaging and Computed Tomography (CT). Emphasis is placed on imaging equipment. Upon completion, students should be able to demonstrate an understanding of radiation characteristics and production.

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RAD 241 Radiobiology Protection 2 0 0 2
Prerequisites: RAD 122, RAD 131, and RAD 171
Corequisites: RAD 211, RAD 231, and RAD 251

This course covers the principles of radiation protection and radiobiology. Topics include the effects of ionizing radiation on body tissues, protective measures for limiting exposure to the patient and personnel, and radiation monitoring devices. Upon completion, students should be able to demonstrate an understanding of the effects and uses of radiation in diagnostic radiology.

RAD 245 Image Analysis 1 3 0 2
Prerequisites: RAD 211, RAD 231, RAD 241 and RAD 251
Corequisites: RAD 261

This course provides an overview of image analysis and introduces methods of quality management. Topics include image evaluation, pathology, quality control, and quality assurance. Upon completion, students should be able to demonstrate a basic knowledge of image analysis and quality management.

RAD 251 RAD Clinical Ed IV 0 0 21 7
Prerequisites: RAD 122, RAD 131, and RAD 171
Corequisites: RAD 211, RAD 231, and RAD 241

This course provides the opportunity to continue mastering all basic radiographic procedures and to attain experience in advanced areas. Emphasis is placed on equipment operation, pathological recognition, pediatric and geriatric variations, and a further awareness of radiation protection requirements. Upon completion, students should be able to demonstrate successful completion of clinical objectives.

RAD 261 RAD Clinical Ed V 0 0 21 7
Prerequisites: RAD 251
Corequisites: RAD 245

This course is designed to enhance expertise in all radiographic procedures, patient management, radiation protection, and image production and evaluation. Emphasis is placed on developing an autonomous approach to the diversity of clinical situations and successfully adapting to those procedures. Upon completion, students should be able to demonstrate successful completion of clinical objectives.

RAD 271 Radiography Capstone 0 3 0 1
Prerequisites: RAD 211, RAD 231, RAD 241, RAD 251
Corequisites: RAD 245, RAD 261

This course provides an opportunity to exhibit problem-solving skills required for certification. Emphasis is placed on critical thinking and integration of didactic and clinical components. Upon completion, students should be able to demonstrate the knowledge required of any entry-level radiographer.

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RAD 281 RAD Clinical Elective 0 0 3 1
Prerequisites: RAD 161
Corequisites: None

This course provides advanced knowledge of clinical applications. Emphasis is placed on enhancing clinical skills. Upon completion, students should be able to successfully complete the clinical course objectives.

REL 110 World Religions 3 0 0 3
Prerequisites: Proficiency in Reading - A grade of "C" or better in ENG 095 or RED 090 OR minimum Accuplacer score of 80 on Reading
Corequisites: None

This course introduces the world's major religious traditions. Topics include Primal religions, Hinduism, Buddhism, Islam, Judaism, and Christianity. Upon completion, students should be able to identify the origins, history, beliefs, and practices of the religions studied. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in humanities/fine arts. This course may meet the SACS humanities/fine arts requirement for AA, AS, AFA, AGE, AAS, DIP, or CER programs.*

REL 111 Eastern Religions 3 0 0 3
Prerequisites: Proficiency in Reading - A grade of "C" or better in ENG 095 or RED 090 OR minimum Accuplacer score of 80 on Reading
Corequisites: None

This course introduces the major Asian religious traditions. Topics include Hinduism, Buddhism, Taoism, Confucianism, and Shinto. Upon completion, students should be able to identify the origins, history, beliefs, and practices of the religions studied. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in humanities/fine arts. This course may meet the SACS humanities/fine arts requirement for AA, AS, AFA, AGE, AAS, DIP, or CER programs.*

REL 112 Western Religions 3 0 0 3
Prerequisites: Proficiency in Reading - A grade of "C" or better in ENG 095 or RED 090 OR minimum Accuplacer score of 80 on Reading
Corequisites: None

This course introduces the major western religious traditions. Topics include Zoroastrianism, Islam, Judaism, and Christianity. Upon completion, students should be able to identify the origins, history, beliefs, and practices of the religions studied. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in humanities/fine arts. This course may meet the SACS humanities/fine arts requirement for AA, AS, AFA, AGE, AAS, DIP, or CER programs.*

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REL 211 Intro to Old Testament 3 0 0 3
Prerequisites: Proficiency in Reading - A grade of "C" or better in ENG 095 or RED 090 OR minimum Accuplacer score of 80 on Reading)
Corequisites: None

This course is a survey of the literature of the Hebrews with readings from the law, prophets, and other writings. Emphasis is placed on the use of literary, historical, archeological, and cultural analysis. Upon completion, students should be able to use the tools of critical analysis to read and understand Old Testament literature. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in humanities/fine arts. This course may meet the SACS humanities/fine arts requirement for AA, AS, AFA, AGE, AAS, DIP, or CER programs.*

REL 212 Intro to New Testament 3 0 0 3
Prerequisites: Proficiency in Reading - A grade of "C" or better in ENG 095 or RED 090 OR minimum Accuplacer score of 80 on Reading
Corequisites: None

This course is a survey of the literature of first-century Christianity with readings from the gospels, Acts, and the Pauline and pastoral letters. Topics include the literary structure, audience, and religious perspective of the writings, as well as the historical and cultural context of the early Christian community. Upon completion, students should be able to use the tools of critical analysis to read and understand New Testament literature. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in humanities/fine arts. This course may meet the SACS humanities/fine arts requirement for AA, AS, AFA, AGE, AAS, DIP, or CER programs.*

REL 221 Religion in America 3 0 0 3
Prerequisites: Proficiency in Reading - A grade of "C" or better in ENG 095 or RED 090 OR minimum Accuplacer score of 80 on Reading
Corequisites: None

This course is an examination of religious beliefs and practice in the United States. Emphasis is placed on mainstream religious traditions and non-traditional religious movements from the Colonial period to the present. Upon completion, students should be able to recognize and appreciate the diversity of religious traditions in America. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in humanities/fine arts. This course may meet the SACS humanities/fine arts requirement for AA, AS, AFA, AGE, AAS, DIP, or CER programs.*

RLS 112 Broker Prelicensing 5 0 0 5
Prerequisites: None
Corequisites: None

This course provides basic instruction in real estate principles and practices. Topics include law, finance, brokerage, closing, valuation, management, taxation, mathematics, construction, land use, property insurance, and NC License Law and Commission Rules. Upon completion, students should be able to demonstrate basic knowledge and skills necessary for real estate sales.

RLS 113 Real Estate Mathematics 2 0 0 2
Prerequisites: None
Corequisites: None

This course provides basic instruction in business mathematics applicable to real estate situations. Topics include area computations, percentage of profit/loss, bookkeeping and accounting methods, appreciation and depreciation, financial calculations and interest yields, property valuation, insurance, taxes, and commissions. Upon completion, students should be able to demonstrate proficiency in applied real estate mathematics.

RLS 121 Broker Relationships 2 0 0 2
Prerequisites: RLS 112
Corequisites: None

This course provides post-licensing instruction in broker relationships and responsibilities when working with residential sellers and buyers. Topics include agency relationships and duties, agency contracts and disclosure, and the practical aspects of working with residential buyers and sellers. Upon completion, students should be able to demonstrate knowledge and skills necessary to effectively work with residential buyers/sellers according to law and prevailing practices.

RLS 122 Contracts and Closing 2 0 0 2
Prerequisites: RLS 112
Corequisites: None

This course provides post-licensing instruction in broker responsibilities relating to real estate sales contracts, contract procedures, the Real Estate Settlement Procedures Act and closings. Topics include contract law concepts, residential sales contract preparation and procedures, closing procedures and closing statement preparation. Upon completion, students should be able to handle sales contract negotiations, prepare residential sales contracts, assist sellers/buyers prepare for closing and verify closing statements.

RLS 123 Select Real Estate Issues 2 0 0 2
Prerequisites: RLS 112
Corequisites: None

This course provides post-licensing instruction in real estate on selected topics of special importance to licensees. Topics include commercial real estate brokerage, residential property management, land use controls, loan fraud, license law, fair housing, establishing a brokerage firm, and manufactured/modular homes. Upon completion, students should be able to demonstrate knowledge of commercial real estate brokerage, residential property management, and the other topics addressed in this course.

SEC 110 Security Concepts 3 0 0 3
Prerequisites: None
Corequisites: None

This course introduces the concepts and issues related to securing information systems and the development of policies to implement information security controls. Topics include the historical view of networking and security, security issues, trends, security resources, and the role of policy, people, and processes in information security. Upon completion, students should be able to identify information security risks, create an information security policy, and identify processes to implement and enforce policy.

SOC 210 Introduction to Sociology 3 0 0 3
Prerequisites: Proficiency in Reading - A grade of "C" or better in ENG 095 or RED 090 OR minimum Accuplacer score of 80 on Reading
Corequisites: None

This course introduces the scientific study of human society, culture, and social interactions. Topics include socialization, research methods, diversity and inequality, cooperation and conflict, social change, social institutions, and organizations. Upon completion, students should be able to demonstrate knowledge of sociological concepts as they apply to the interplay among individuals, groups, and societies. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in social/behavioral sciences. This course may meet the SACS social/behavioral science requirement for AA, AS, AFA, AGE, AAS, DIP, or CER programs.*

SOC 213 Sociology of the Family 3 0 0 3
Prerequisites: Proficiency in Reading - A grade of "C" or better in ENG 095 or RED 090 OR minimum Accuplacer score of 80 on Reading
Corequisites: None

This course covers the institution of the family and other intimate relationships. Emphasis is placed on mate selection, gender roles, sexuality, communication, power and conflict, parenthood, diverse lifestyles, divorce and remarriage, and economic issues. Upon completion, students should be able to analyze the family as a social institution and the social forces which influence its development and change. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in social/behavioral sciences. This course may meet the SACS social/behavioral science requirement for AA, AS, AFA, AGE, AAS, DIP, or CER programs.*

SOC 220 Social Problems 3 0 0 3
Prerequisites: Proficiency in Reading - A grade of "C" or better in ENG 095 or RED 090 OR minimum Accuplacer score of 80 on Reading
Corequisites: None

This course provides an in-depth study of current social problems. Emphasis is placed on causes, consequences, and possible solutions to problems associated with families, schools, workplaces, communities, and the environment. Upon completion, students should be able to recognize, define, analyze, and propose solutions to these problems. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in social/behavioral sciences. This course may meet the SACS social/behavioral science requirement for AA, AS, AFA, AGE, AAS, DIP, or CER programs.*

SOC 230 Race and Ethnic Relations 3 0 0 3
Prerequisites: Proficiency in Reading - A grade of "C" or better in ENG 095 or RED 090 OR minimum Accuplacer score of 80 on Reading
Corequisites: None

This course includes an examination of the various aspects of race and ethnicity and how these lead to different experiences, opportunities, problems, and contributions. Topics include prejudice, discrimination, perceptions, myths, stereotypes, and intergroup relationships. Upon completion, students should be able to identify and analyze relationships among racial and ethnic groups within the larger society. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in social/behavioral sciences. This course may meet the SACS social/behavioral science requirement for AA, AS, AFA, AGE, AAS, DIP, or CER programs.*

SOC 232 Social Context of Aging 3 0 0 3
Prerequisites: Proficiency in Reading - A grade of "C" or better in ENG 095 or RED 090 OR minimum Accuplacer score of 80 on Reading
Corequisites: None

This course provides an overview of the social implications of the aging process. Emphasis is placed on the roles of older adults within families, work and economics, politics, religion, education, and health care. Upon completion, students should be able to identify and analyze changing perceptions, diverse lifestyles, and social and cultural realities of older adults. *This course has been approved to satisfy the Comprehensive Articulation Agreement for transferability as a pre-major and/or elective course requirement. This course may meet the SACS social/behavioral science requirement for AGE, AAS, DIP, or CER programs.*

SOC 234 Sociology of Gender 3 0 0 3
Prerequisites: SOC 210
Corequisites: None

This course examines contemporary roles in society with special emphasis on recent changes. Topics include sex role socialization, myths and stereotypes, gender issues related to family, work, and power. Upon completion, students should be able to analyze modern relationships between men and women. *This course has been approved to satisfy the Comprehensive Articulation Agreement pre-major and/or elective course requirement. This course may meet the SACS social/behavioral science requirement for AGE, AAS, DIP, or CER programs.*

SOC 240 Social Psychology 3 0 0 3
Prerequisites: Proficiency in Reading - A grade of "C" or better in ENG 095 or RED 090 OR minimum Accuplacer score of 80 on Reading
Corequisites: None

This course examines the influence of culture and social groups on individual behavior and personality. Emphasis is placed on the process of socialization, communication, conformity, deviance, interpersonal attraction, intimacy, race and ethnicity, small group experiences, and social movements. Upon completion, students should be able to identify and analyze cultural and social forces that influence the individual in a society. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in social/behavioral sciences. This course may meet the SACS social/behavioral science requirement for AA, AS, AFA, AGE, AAS, DIP, or CER programs.*

SOC 242 Sociology of Deviance 3 0 0 3
Prerequisites: SOC 210
Corequisites: None

This course provides an overview of deviant behavior and the processes involved in its definition, causation, prevention, control, and treatment. Topics include theories of causation, social control, delinquency, victimization, criminality, the criminal justice system, punishment, rehabilitation, and restitution. Upon completion, students should be able to identify and analyze issues surrounding the nature and development of social responses to deviance. *This course has been approved to satisfy the Comprehensive Articulation Agreement pre-major and/or elective course requirement. This course may meet the SACS social/ behavioral science requirement for AGE, AAS, DIP, or CER programs.*

SON 110 Intro to Sonography 1 3 3 3
Prerequisites: None
Corequisites: None

This course provides an introduction to medical sonography. Topics include applications, sonographic terminology, history, patient care, ethics, and basic skills. Upon completion, students should be able to define professionalism and sonographic applications and perform basic patient care skills and preliminary scanning techniques.

SON 111 Sonographic Physics 3 3 0 4
Prerequisites: CVS 163 or SON 110
Corequisites: None

This course introduces ultrasound physical principles, bioeffects, and sonographic instrumentation. Topics include sound wave mechanics, transducers, sonographic equipment, Doppler physics, bioeffects, and safety. Upon completion, students should be able to demonstrate knowledge of sound wave mechanics, transducers, sonography equipment, the Doppler effect, bioeffects, and safety.

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SON 120 SON Clinical Ed I 0 0 15 5
Prerequisites: SON 110
Corequisites: None

This course provides active participation in clinical sonography. Emphasis is placed on imaging, processing, and technically evaluating sonographic examinations. Upon completion, students should be able to image, process, and evaluate sonographic examinations.

SON 121 SON Clinical Ed II 0 0 15 5
Prerequisites: SON 120
Corequisites: None

This course provides continued active participation in clinical sonography. Emphasis is placed on imaging, processing, and technically evaluating sonographic examinations. Upon completion, students should be able to image, process, and evaluate sonographic examinations.

SON 130 Abdominal Sonography I 2 3 0 3
Prerequisites: None
Corequisites: None

This course introduces abdominal and small parts sonography. Emphasis is placed on the sonographic anatomy of the abdomen and small parts with correlated laboratory exercises. Upon completion, students should be able to recognize and acquire basic abdominal and small parts images.

SON 131 Abdominal Sonography II 1 3 0 2
Prerequisites: SON 130
Corequisites: None

This course covers abdominal and small parts pathology recognizable on sonograms. Emphasis is placed on abnormal sonograms of the abdomen and small parts with correlated sonographic cases. Upon completion, students should be able to recognize abnormal pathological processes in the abdomen and on small parts sonographic examinations.

SON 140 Gynecological Sonography 2 0 0 2
Prerequisites: SON 110
Corequisites: None

This course is designed to relate gynecological anatomy and pathology to sonography. Emphasis is placed on gynecological relational anatomy, endovaginal anatomy, and gynecological pathology. Upon completion, students should be able to recognize normal and abnormal gynecological sonograms.

SON 220 Sonography Clinical Ed III 0 0 24 8
Prerequisites: SON 121
Corequisites: None

This course provides continued active participation in clinical sonography. Emphasis is placed on imaging, processing, and technically evaluating sonographic examinations. Upon completion, students should be able to image, process, and evaluate sonographic examinations.

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SON 221 SON Clinical Ed IV 0 0 24 8
Prerequisites: SON 220
Corequisites: None

This course provides continued active participation off campus in clinical sonography. Emphasis is placed on imaging, processing, and technically evaluating sonographic examinations. Upon completion, students should be able to image, process, and evaluate sonographic examinations.

SON 225 Case Studies 0 3 0 1
Prerequisites: SON 110 or CVS 163
Corequisites: None

This course offers the opportunity to present interesting cases found during clinical education. Emphasis is placed on presentation methods which integrate patient history, laboratory results, and sonographic findings with reference to current literature. Upon completion, students should be able to correlate information necessary for complete presentation of case studies.

SON 241 Obstetrical Sonography I 2 0 0 2
Prerequisites: SON 110
Corequisites: None

This course covers normal obstetrical sonography techniques, the normal fetal environment, and abnormal first trimester pregnancy states. Topics include gestational dating, fetal anatomy, uterine environment, and first trimester complications. Upon completion, students should be able to produce gestational sonograms which document age, evaluate the uterine environment, and recognize first trimester complications.

SON 242 Obstetrical Sonography II 2 0 0 2
Prerequisites: SON 241
Corequisites: None

This course covers second and third trimester obstetrical complications and fetal anomalies. Topics include abnormal fetal anatomy and physiology and complications in the uterine environment. Upon completion, students should be able to identify fetal anomalies, fetal distress states, and uterine pathologies.

SON 250 Vascular Sonography 1 3 0 2
Prerequisites: SON 111
Corequisites: None

This course provides an in-depth study of the anatomy and pathology of the vascular system. Topics include peripheral arterial, peripheral venous, and cerebrovascular disease testing. Upon completion, students should be able to identify normal vascular anatomy and recognize pathology of the vascular system.

SON 272 Advanced Pathology 0 3 0 1
Prerequisites: SON 110
Corequisites: None

This course is designed to concentrate on complex pathological states seen on sonograms. Emphasis is placed on systemic diseases and multi-organ disease states as seen on sonograms.

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Upon completion, students should be able to research, present, and discuss system diseases presented on sonograms.

SON 289 Sonographic Topics 2 0 0 2
Prerequisites: SON 110
Corequisites: None

This course provides an overview of sonographic topics in preparation for certification examinations. Emphasis is placed on registry preparation. Upon completion, students should be able to demonstrate a comprehensive knowledge of sonography and be prepared for the registry examinations.

SPA 111 Elementary Spanish I 3 0 0 3
Prerequisites: Proficiency in Reading - A grade of "C" or better in ENG 085 or RED 080 OR minimum Accuplacer score of 57 on Reading
Corequisites: SPA 181

This course introduces the fundamental elements of the Spanish language within a cultural context. Emphasis is placed on the development of basic listening, speaking, reading, and writing skills. Upon completion, students should be able to comprehend and respond with grammatical accuracy to spoken and written Spanish and demonstrate cultural awareness. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in humanities/fine arts. This course may meet the second SACS humanities/fine arts requirement for AA, AS, and AFA, programs.*

Students who have completed two units of foreign language in high school are advised to take the CLEP (College Level Examination for Placement) before registering for SPA 111. The CLEP is given daily at the University of North Carolina-Wilmington Testing Center and requires a fee. Students should make an appointment by calling 910-362-7444. CFCC discourages students from taking elementary levels of global languages if they have had satisfactory grades in high school language courses.

SPA 112 Elementary Spanish II 3 0 0 3
Prerequisites: SPA 111
Corequisites: SPA 182

This course is a continuation of SPA 111 focusing on the fundamental elements of the Spanish language within a cultural context. Emphasis is placed on the progressive development of listening, speaking, reading, and writing skills. Upon completion, students should be able to comprehend and respond with increasing proficiency to spoken and written Spanish and demonstrate further cultural awareness. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in humanities/fine arts. This course may meet the second SACS humanities/fine arts requirement for AA, AS, or AFA programs.*

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SPA 120 Spanish for the Workplace 3 0 0 3
Prerequisites: None
Corequisites: None

This course offers applied Spanish for the workplace to facilitate basic communication with people whose native language is Spanish. Emphasis is placed on oral communication and career-specific vocabulary that targets health, business, and/or public service professions. Upon completion, students should be able to communicate at a functional level with native speakers and demonstrate cultural sensitivity.

SPA 141 Culture and Civilization 3 0 0 3
Prerequisites: None
Corequisites: None

This course provides an opportunity to explore issues related to the Hispanic world. Topics include historical and current events, geography, and customs. Upon completion, students should be able to identify and discuss selected topics and cultural differences related to the Hispanic world. *This course has been approved to satisfy the Comprehensive Articulation Agreement for transferability as a pre-major and/or elective course requirement. This course may meet the SACS humanities/fine arts requirement for AGE, AAS, DIP, or CER programs.*

SPA 161 Cultural Immersion 2 3 0 3
Prerequisites: SPA 111
Corequisites: None

This course explores Hispanic culture through intensive study on campus and field experience in a host country or area. Topics include an overview of linguistic, historical, geographical, sociopolitical, economic, and/or artistic concerns of the area visited. Upon completion, students should be able to exhibit first-hand knowledge of issues pertinent to the host area and demonstrate understanding of cultural differences. *This course has been approved to satisfy the Comprehensive Articulation Agreement for transferability as a pre-major and/or elective course requirement. This course may meet the SACS social/behavioral science requirement for AGE, AAS, DIP, or CER programs.*

SPA 181 Spanish Lab 1 0 2 0 1
Prerequisites: Proficiency in Reading - A grade of "C" or better in ENG 085 or RED 080 OR minimum Accuplacer score of 57 on Reading
Corequisites: SPA 111

This course provides an opportunity to enhance acquisition of the fundamental elements of the Spanish language. Emphasis is placed on the progressive development of basic listening, speaking, reading, and writing skills through the use of various supplementary learning media and materials. Upon completion, students should be able to comprehend and respond with grammatical accuracy to spoken and written Spanish and demonstrate cultural awareness. *This course has been approved to satisfy the Comprehensive Articulation Agreement for transferability as a premajor and/or elective course requirement.*

Students who have completed two units of foreign language in high school are advised to take the CLEP (College Level

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Examination for Placement) before registering for SPA 111. The CLEP is given daily at the University of North Carolina-Wilmington Testing Center and requires a fee. Students should make an appointment by calling 910-362-7444. CFCC discourages students from taking elementary levels of global languages if they have had satisfactory grades in high school language courses

SPA 182 Spanish Lab 2 0 2 0 1
Prerequisites: SPA 181
Corequisites: SPA 112

This course provides an opportunity to enhance acquisition of the fundamental elements of the Spanish language. Emphasis is placed on the progressive development of basic listening, speaking, reading, and writing skills through the use of various supplementary learning media and materials. Upon completion, students should be able to comprehend and respond with increasing proficiency to spoken and written Spanish and demonstrate cultural awareness. *This course has been approved to satisfy the Comprehensive Articulation Agreement for transferability as a pre-major and/or elective course requirement.*

SPA 211 Intermediate Spanish I 3 0 0 3
Prerequisites: SPA 112
Corequisites: None

This course provides a review and expansion of the essential skills of the Spanish language. Emphasis is placed on the study of authentic and representative literary and cultural texts. Upon completion, students should be able to communicate effectively, accurately, and creatively about the past, present, and future. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in humanities/fine arts. This course may meet the SACS humanities/fine arts requirement for AA, AS, or AFA programs.*

SPA 212 Intermediate Spanish II 3 0 0 3
Prerequisites: SPA 211
Corequisites: None

This course provides a continuation of SPA 211. Emphasis is placed on the continuing study of authentic and representative literary and cultural texts. Upon completion, students should be able to communicate spontaneously and accurately with increasing complexity and sophistication. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in humanities/fine arts. This course may meet the SACS humanities/fine arts requirement for AA, AS, or AFA programs.*

SPA 215 Spanish Phonetics/Structure 3 0 0 3
Prerequisites: None
Corequisites: None

This course is designed to improve the understanding of Spanish phonetics and the structure of the Spanish language. Topics include the structure of the Spanish language, phonology, morphology, and syntax. Upon completion, students should have an understanding of the phonetics and structure of the Spanish language and be able to contrast the structure of the Spanish and English languages.

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SPA 221 Spanish Conversation 3 0 0 3
Prerequisites: SPA 212
Corequisites: None

This course provides an opportunity for intensive communication in spoken Spanish. Emphasis is placed on vocabulary acquisition and interactive communication through the discussion of media materials and authentic texts. Upon completion, students should be able to discuss selected topics, express ideas and opinions clearly, and engage in formal and informal conversations. *This course has been approved to satisfy the Comprehensive Articulation Agreement for transferability as a pre-major and/or elective course requirement.*

SPA 231 Reading and Composition 3 0 0 3
Prerequisites: SPA 212
Corequisites: None

This course provides an opportunity for intensive reading and composition in Spanish. Emphasis is placed on the use of literary and cultural materials to enhance and expand reading and writing skills. Upon completion, students should be able to demonstrate in writing an in-depth understanding of assigned readings. *This course has been approved to satisfy the Comprehensive Articulation Agreement for transferability as a pre-major and/or elective course requirement.*

SPA 281 Spanish Lab 3 0 2 0 1
Prerequisites: SPA 182
Corequisites: SPA 211

This course provides an opportunity to enhance the review and expansion of the essential skills of the Spanish language. Emphasis is placed on the study of authentic and representative literary and cultural texts through the use of various supplementary learning media and materials. Upon completion, students should be able to communicate effectively, accurately, and creatively about the past, present, and future. *This course has been approved to satisfy the Comprehensive Articulation Agreement for transferability as a pre-major and/or elective course requirement.*

SPA 282 Spanish Lab 4 0 2 0 1
Prerequisites: SPA 281
Corequisites: SPA 212

This course provides an opportunity to enhance the review and expansion of the essential skills of the Spanish language. Emphasis is placed on the continuing study of authentic and representative literary and cultural texts through the use of various supplementary learning media and materials. Upon completion, students should be able to communicate spontaneously and accurately with increasing complexity and sophistication. *This course has been approved to satisfy the Comprehensive Articulation Agreement for transferability as a pre-major and/or elective course requirement.*

Class Lab Clinical Credit

SPI 113 Intro. to Spanish Interpreting 3 0 0 3
Prerequisites: None
Corequisites: None

This course introduces the field of interpreting, interpretation models, cognitive processes associated with interpretation, professional ethical standards, employment opportunities, and working conditions. Topics include specialized jargon, code of ethics, interpreter assessments/qualifications, and protocol associated with various settings. Upon completion, students should be able to explain the rationale for placement of interpreters and apply ethical standards to a variety of working situations.

SPI 114 Analytical Skills
Spanish Interpreting 3 0 0 3
Prerequisites: None
Corequisites: None

This course is designed to improve cognitive processes associated with interpreting, listening, short-term memory, semantic equivalence, visual/auditory processing, thought organization and logic. Emphasis is placed on developing skills necessary to generate equivalent messages between Spanish and English. Upon completion, students should be able to consecutively interpret non-technical, interactive messages between Spanish and English.

SPI 213 Review of Grammar 3 0 0 3
Prerequisites: None
Corequisites: None

This course is designed to review the common elements of Spanish grammar in oral and written form. Emphasis is placed on the fundamental grammatical concepts of the Spanish language. Upon completion, students should be able to demonstrate comprehension and correct usage of specified grammatical concepts in both oral and written form.

SPI 214 Intro to Translation 3 0 0 3
Prerequisites: None
Corequisites: None

This course is designed to improve the quality of Spanish to English and English to Spanish translation. Emphasis is placed on the practice of Spanish to English and English to Spanish translation in a variety of prose styles. Upon completion, students should be able to demonstrate the usage and understanding of the processes involved in translating.

SPI 245 Community Interpreting I 2 3 0 3
Prerequisites: None
Corequisites: None

This course is designed to expose students to interpreting in areas such as social services, business and industry. Emphasis is placed on the development of social services, business and industry vocabulary through role-play. Upon completion, students should be able to consecutively interpret basic messages in a variety of social services, business and industry situations.

Class Lab Clinical Credit

SST 110 Intro to Sustainability 3 0 0 3
Prerequisites: None
Corequisites: None

This course introduces sustainability issues and individual contributions toward environmental sustainability. Topics include management processes needed to maximize renewable/non-renewable energy resources, economics of sustainability, and reduction of environmental impacts. Upon completion, students should be able to discuss sustainability practices and demonstrate an understanding of their effectiveness and impacts.

SST 120 Energy Use Analysis 2 2 0 3
Prerequisites: None
Corequisites: None

This course introduces the principles of analyzing energy use, energy auditing tools and techniques, conservation techniques, and calculating energy savings. Topics include building system control theory, calibrating digital controls, energy loss calculations, and applicable conservation techniques. Upon completion, students should be able to demonstrate an understanding of energy use, audits, and controls in the analysis of energy consumption.

SST 130 Modeling Renewable Energy 2 2 0 3
Prerequisites: None
Corequisites: None

This course introduces software and other technologies used for modeling renewable energy systems. Topics include renewable energy modeling software applications, data analysis, renewable energy sources, and cost of renewable energy systems. Upon completion, students should be able to use appropriate technology to model the effectiveness of renewable energy systems.

SST 140 Green Building Concepts 1 3 0 2
Prerequisites: None
Corequisites: None

This course introduces green building design, LEED® (Leadership in Energy and Environmental Design) and comparable certifications, and their significance in modern building construction. Topics include LEED certification or similar rating systems, energy efficiency, indoor environmental quality, and sustainable building materials. Upon completion, students should be able to incorporate ecological awareness and sustainable principles within the context of design and construction.

SST 210 Issues in Sustainability 3 0 0 3
Prerequisites: SST 110
Corequisites: None

This course introduces the long-term impacts and difficulties of applying sustainability concepts in an organization, business, or society. Topics include the application of sustainable technologies and the analysis of affordability, efficiencies, recycling, and small and large-scale design. Upon completion, students should be able to recognize the possible limitations of sustainable technologies and be prepared to reconcile such conflicts.

Class Lab Clinical Credit

SST 250 Sustain Capstone Project 1 6 0 3
Prerequisites: SST 110
Corequisites: None

This course introduces an integrated team approach to a sustainability topic of interest to students, faculty, or professional community. Topics include problem identification, proposal preparation, conceptual design, and an effective project work schedule. Upon completion, students should be able to integrate the many facets of a topic based on environmental sustainability into a completed project.

SUR 110 Intro to Surg Tech 3 0 0 3
Prerequisites: None
Corequisites: SUR 111

This course provides a comprehensive study of the operative environment, professional roles, moral/legal/ethical responsibilities, and medical communications used in surgical technology. Topics include: professional behaviors, medical terminology, interdepartmental/peer/relationships, operating room environment/safety, pharmacology, anesthesia, incision sites, physiology of wound healing, and biomedical sciences. Upon completion, students should be able to apply theoretical knowledge of the course topics to the operative environment.

SUR 111 Periop Patient Care 5 6 0 7
Prerequisites: None
Corequisites: SUR 110

This course provides theoretical knowledge for the application of essential operative skills during the perioperative phase. Topics include surgical asepsis, sterilization/disinfection, and perioperative patient care. Upon completion, students should be able to demonstrate the principles and practices of aseptic technique, sterile attire, basic case preparation, and other relevant skills.

SUR 122 Surgical Procedures I 5 3 0 6
Prerequisites: SUR 110 and SUR 111
Corequisites: SUR 123 or STP 101

This course provides an introduction to selected basic and intermediate surgical specialties that students are exposed to the first clinical rotation. Emphasis is placed on related surgical anatomy, pathology, and procedures that enhance theoretical knowledge of patient care, instrumentation, supplies, and equipment. Upon completion, students should be able to correlate, integrate, and apply theoretical knowledge of the course topics to the clinical operative environment.

SUR 123 SUR Clinical Practice I 0 0 21 7
Prerequisites: SUR 110 and SUR 111
Corequisites: SUR 122

This course provides clinical experience with a variety of perioperative assignments to build upon skills learned in SUR 111. Emphasis is placed on the scrub and circulating roles of the surgical technologist including aseptic technique and basic case preparation for selected surgical procedures. Upon completion, students should be able to prepare, assist with, and dismantle basic surgical cases in both the scrub and circulating roles.

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SUR 134 Surgical Procedures II 5 0 0 5
Prerequisites: SUR 123 or STP 101
Corequisites: None

This course provides a comprehensive study of intermediate and advanced surgical specialties that students are exposed to in the second clinical rotation. Emphasis is placed on related surgical anatomy, pathology, and procedures that enhance theoretical knowledge of patient care, instrumentation, supplies, and equipment. Upon completion, students should be able to correlate, integrate, and apply theoretical knowledge of the course topics to the clinical operative environment.

SUR 135 SUR Clinical Practice II 0 0 12 4
Prerequisites: SUR 123
Corequisites: SUR 134

This course provides clinical experience with a variety of perioperative assignments to build skills required for complex perioperative patient care. Emphasis is placed on greater technical skills, critical thinking, speed, efficiency, and autonomy in the operative setting. Upon completion, students should be able to function in the role of an entry-level surgical technologist.

SUR 137 Prof Success Prep 1 0 0 1
Prerequisites: SUR 123
Corequisites: SUR 134 and SUR 135

This course provides job-seeking skills and an overview of theoretical knowledge in preparation for certification. Topics include test-taking strategies, résumé preparation, and interviewing techniques. Upon completion, students should be able to prepare a résumé, demonstrate appropriate interview techniques, and identify strengths and weaknesses in preparation for certification.

SUR 210 Adv SUR Clinical Practice 0 0 6 2
Prerequisites: None
Corequisites: None

This course is designed to provide individualized experience in advanced practice, education, circulating, and managerial skills. Emphasis is placed on developing and demonstrating proficiency in skills necessary for advanced practice. Upon completion, students should be able to assume leadership roles in a chosen specialty area.

SUR 211 Adv Theoretical Concepts 2 0 0 2
Prerequisites: None
Corequisites: None

This course covers theoretical knowledge required for extension of the surgical technologist role. Emphasis is placed on advanced practice in complex surgical specialties, educational methodologies, and managerial skills. Upon completion, students should be able to assume leadership roles in a chosen specialty area.

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TNE 245 Netwk Perimeter Security 2 3 0 3
Prerequisites: CET 240
Corequisites: None

This course introduces a variety of ways to implement security into network designs and upgrades. Topics include securing the network through the use of access lists, routers, firewalls, Ipchains, and stateful packet filtering. Upon completion, students should be able to demonstrate a variety of techniques to harden the network from outside threats.

TNE 255 Network Servers 2 3 0 3
Prerequisites: ELN 237
Corequisites: None

This course covers the activities and methods required to assure productive and reliable operation of network servers. Topics include planning, installing, configuring, and maintaining servers, including knowledge of server-level hardware implementations, operating systems, data storage subsystems, data recovery, and I/O subsystems. Upon completion, students should be able to configure and maintain a network server.

TRF 110 Intro Turfgrass Cult & ID 3 2 0 4
Prerequisites: None
Corequisites: None

This course provides an in-depth study of turfgrass. Topics include principles of reproduction, growth development, species characteristics, establishment and maintenance of golf courses and sports fields, and lawn applications. Upon completion, students should be able to identify turfgrass species through characteristics and reproductive stages and develop an establishment and maintenance plan for high quality turf areas.

TRP 100 Truck Driver Training 6 18 0 12
Prerequisites: None
Corequisites: None

This course provides training in inspecting and driving tractor trailers and assuming driver responsibilities on the road and at pickup and delivery points. Emphasis is placed on defensive driving, federal motor carrier safety regulations, trip planning, cargo handling, vehicle systems, hours of service, and accident prevention. Upon completion, students should be able to demonstrate the skills required for the commercial driver's license and employment.

WEB 210 Web Design 2 2 0 3
Prerequisites: CIS 110 or CIS 111
Corequisites: None

This course introduces intermediate to advanced web design techniques. Topics include customer expectations, advanced markup language, multimedia technologies, usability and accessibility practices, and techniques for the evaluation of web design. Upon completion, students should be able to employ advanced design techniques to create high impact and highly functional web sites.

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WEB 285 Emerging Web Technologies 2 2 0 3
Prerequisites: CSC 251
Corequisites: None

This course will explore, discuss, and research emerging technologies in the web arena. Emphasis is placed on exposure to up-and-coming technologies relating to the web, providing hands-on experience, and discussion of practical implications of these emerging fields. Upon completion, students should be able to articulate issues relating to these technologies.

WLD 110 Cutting Processes 1 3 0 2
Prerequisites: None
Corequisites: None

This course introduces oxy-fuel and plasma-arc cutting systems. Topics include safety, proper equipment setup, and operation of oxy-fuel and plasma-arc cutting equipment with emphasis on straight line, curve and bevel cutting. Upon completion, students should be able to oxy-fuel and plasma-arc cut metals of varying thickness.

WLD 112 Basic Welding Processes 1 3 0 2
Prerequisites: None
Corequisites: None

This course introduces basic welding and cutting. Emphasis is placed on beads applied with gases, mild steel fillers, and electrodes and the capillary action of solder. Upon completion, students should be able to set up welding and oxy-fuel equipment and perform welding, brazing, and soldering processes.

WLD 115 SMAW (Stick) Plate 2 9 0 5
Prerequisites: None
Corequisites: None

This course introduces the shielded metal arc (stick) welding process. Emphasis is placed on padding, fillet, and groove welds in various positions with SMAW electrodes. Upon completion, students should be able to perform SMAW fillet and groove welds on carbon plate with prescribed electrodes.

WLD 116 SMAW (Stick) Plate/Pipe 1 9 0 4
Prerequisites: WLD 115
Corequisites: None

This course is designed to enhance skills with the shielded metal arc (stick) welding process. Emphasis is placed on advancing manipulative skills with SMAW electrodes on varying joint geometry. Upon completion, students should be able to perform groove welds on carbon steel with prescribed electrodes in the flat, horizontal, vertical, and overhead positions.

WLD 121 GMAW (MIG) FCAW/Plate 2 6 0 4
Prerequisites: WLD 110 or WLD 112
Corequisites: None

This course introduces metal arc welding and flux core arc welding processes. Topics include equipment setup and fillet and groove welds with emphasis on application of GMAW and FCAW electrodes on carbon steel plate. Upon completion, students should be able to perform fillet welds on carbon

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steel with prescribed electrodes in the flat, horizontal, and overhead positions.

WLD 131 GTAW (TIG) Plate 2 6 0 4
Prerequisites: None
Corequisites: None

This course introduces the gas tungsten arc (TIG) welding process. Topics include correct selection of tungsten, polarity, gas, and proper filler rod with emphasis placed on safety, equipment setup, and welding techniques. Upon completion, students should be able to perform GTAW fillet and groove welds with various electrodes and filler materials.

WLD 132 GTAW (TIG) Plate/Pipe 1 6 0 3
Prerequisites: WLD 131
Corequisites: None

This course is designed to enhance skills with the gas tungsten arc (TIG) welding process. Topics include setup, joint preparation, and electrode selection with emphasis on manipulative skills in all welding positions on plate and pipe. Upon completion, students should be able to perform GTAW welds with prescribed electrodes and filler materials on various joint geometry.

WLD 141 Symbols & Specifications 2 2 0 3
Prerequisites: None
Corequisites: None

This course introduces the basic symbols and specifications used in welding. Emphasis is placed on interpretation of lines, notes, welding symbols, and specifications. Upon completion, students should be able to read and interpret symbols and specifications commonly used in welding.

WLD 143 Welding Metallurgy 1 2 0 2
Prerequisites: None
Corequisites: None

This course introduces the concepts of welding metallurgy. Emphasis is placed on basic metallurgy, effects of welding on various metals, and metal classification and identification. Upon completion, students should be able to understand basic metallurgy, materials designation, and classification systems used in welding.

WLD 215 SMAW (Stick) Pipe 1 9 0 4
Prerequisites: WLD 115 or WLD 116
Corequisites: None

This course covers the knowledge and skills that apply to welding pipe. Topics include pipe positions, joint geometry, and preparation with emphasis placed on bead application, profile, and discontinuities. Upon completion, students should be able to perform SMAW welds to applicable codes on carbon steel pipe with prescribed electrodes in various positions.

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WLD 231 GTAW (TIG) Pipe 1 6 0 3
Prerequisites: WLD 132
Corequisites: None

This course covers gas tungsten arc welding on pipe. Topics include joint preparation and fit up with emphasis placed on safety, GTAW welding technique, bead application, and joint geometry. Upon completion, students should be able to perform GTAW welds to applicable codes on pipe with prescribed electrodes and filler materials in various pipe positions.

WLD 262 Inspection & Testing 2 2 0 3
Prerequisites: None
Corequisites: None

This course introduces destructive and non-destructive testing methods. Emphasis is placed on safety, types and methods of testing, and the use of testing equipment and materials. Upon completion, students should be able to understand and/or perform a variety of destructive and non-destructive testing processes.

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