



Student working on 3-Dimensional house design.



Winning students in the **2009 N.C. Sustainable Design Competition** – \$1,000 first place prize.



Student & Instructor working together on a class project.

For more information about the Architectural Technology program, please contact
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Lead Instructor (910) 362-7337
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Cape Fear
COMMUNITY COLLEGE

NORTH CAMPUS
4500 BLUE CLAY ROAD
CASTLE HAYNE, NC 28429
910-362-7269
www.cfcc.edu

ARCHITECTURAL TECHNOLOGY

Two-year Associate Degree in Applied Science



**Cape Fear
Community College**
North Campus
Castle Hayne, NC
www.cfcc.edu

ARCHITECTURAL TECHNOLOGY

ASSOCIATE IN APPLIED SCIENCE

CURRICULUM DESCRIPTION

Associate in Applied Science. The Architectural Technology curriculum prepares individuals with knowledge and skills that can lead to employment in the field of architecture, design, construction 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 fulfill specific career needs.

Upon completion, graduates have career opportunities within the architectural, engineering, and construction professions as well as positions in industry and government. At participating universities, graduates may continue their education toward a bachelor's degree in related fields.



SUSTAINABLE and GREEN ARCHITECTURE

The Architectural Technology Program practices sustainable building design and concepts and teaches energy saving design techniques in all aspects of the program.

The sustainable features embody the principles of lower energy consumption and using materials that are renewable and earth friendly.

PROGRAM HIGHLIGHTS

The Architectural Technology faculty and students are involved in many different aspects of design and construction. A few high points include:

- NC Sustainable Building Design Competition – 2004, 2005, 2006, 2008 and 2009 **First Place**
- Professional NC Architect and Engineer on faculty
- Cape Fear Green Building Alliance Affiliate
- Cooperation with Habitat for Humanity & National Home Builders Association.
- Architectural Technology Club With Trips to Charleston & Washington, DC.

EMPLOYMENT OPPORTUNITIES

Upon graduation, opportunities are available in all areas of architecture and construction, including the following:

- County and City Governments
- Architects
- Engineers
- Contractors
- Residential Design and Building
- Building Code Enforcement
- Building Material Suppliers
- Education and many, many more.

Salary ranges and benefits vary depending upon what area is chosen. The local area starting average is in the range of \$16-20 per hour or \$33,000 to \$38,000. Graduates have found advancement and salary can increase quickly as the employer becomes aware of the dedication and skills of the graduate.

2009-2010

Semester Hour Credits

I. General Education Courses

Social/Behavioral Science Elective	3
COM 110 Intro to Communication	3
ENG 111 Expository Writing	3
Humanities/Fine Arts Elective	3
MAT 121 Algebra/Trigonometry I	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

SEQUENCE OF CLASSES

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	PHY 131

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

Contact your advisor for current information