For more information about the Electronics Engineering Technology program, please contact:

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New 600 Watt Solar Array

Digital Electronics Lab
Electronics Engineering Technology
ASSOCIATE IN APPLIED SCIENCE

Curriculum Description
Those pursuing a career in the field of Electronics Engineering Technology become involved in designing, building, installing, testing, troubleshooting, and repairing developmental and production systems. You can work in field of electronics engineering, instrumentation, telecommunications, data communications, industrial manufacturing, power electronics, research and development, aviation, medical, industrial, automotive, marine, radio, TV, and more.

Course Work
The core of courses including electricity, electronics, telecommunications, and microprocessor systems, ensure that the technician-in-training develops the skills necessary to meet entry-level job expectations. Students learn the fundamentals of electronics, proper use of electronic test equipment, and have a background in computer systems and programming and instrumentation.

Students gain a strong background in electronic systems and component level electronics. They understand the proper use of the oscilloscope, and fiber-optic tools like the OTDR, along with digital and analog multimeters. The latest technology in Electronics, including CPLDs (Complex Programmable Logic Devices) and FLASH memory micro-controllers are used everyday by students in the lab. We have a telephone system lab that is used to train our students for the tele-communication field. The college is studying renewable energy, and the EET program has a renewable energy lab. Students study Solar (photo-voltaic panels) and Wind Power along with Batteries, and Hydrogen Fuel Cells. To learn more visit ENERGY.CFCC.EDU.

Certification is an opportunity provided as part of the training. The exam to become a Certified Electronic Technician is administered in the second year along with a Journeyman's Certificate in Telecommunications from the ETA. The ETA (Electronics Technician Association) is an internationally accredited association and is an excellent addition to the Associate Degree Program. We also offer an EET certificate program for part-time students.

Employment Opportunities
Upon graduation, opportunities are available in all areas of electronics, including the following:
- Electronics Engineering
- Electronics Manufacturing
- Electronics Service
- Computer Service
- Industry
- Medical
- Telecommunications
- Instrumentation

REQUIRED CLASSES
ASSOCIATES IN APPLIED SCIENCE
I. General Education Courses Semester Credit Hours
COM 110  Intro to Communication 3
ENG 111  Expository Writing 3
Hum/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
ATR 112  Introduction to Automation 3
CIS 110  Introduction to Computers 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  Electronic Devices 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
ATR 112  Introduction to Automation
CET 211  Computer Upgrade & Repair II
EGR 110  Intro to Engineering Tech
COE 111  Co-Op Work Experience
Total Credits 72/73

Contact your advisor for current information

2012-2013 SEQUENCE OF CLASSES

 Associates in Applied Science
FALL SEMESTER I  FALL SEMESTER II
Social/Behavior Sciences Elect  ELC 128
ELN 130  ELC 131
ELN 131  ELC 133
ENG 111  ELC 234
MAT 121  CSC 133

SPRING SEMESTER I  SPRING SEMESTER II
CET 111  COM 110
ELN 131  ELC 133
ELN 131  ELC 232
ELN 131  ELC 235
MAT 122  Electronics Eng. Elect
Social/Behavioral Sciences Elect

SUMMER SEMESTER I
ELN 235
ELN 133
PHY 131

Electronic Engineering Technology
Evening Certificate Program
FALL SEMESTER I
ELC 131
MAT 121
SPRING SEMESTER I
ELC 133
ELN 131

Student works with Fiber Optic