Associate in Applied Science Degree
Computer and Electronic Technology^{TP}

About Our Program

Electronics is a five semester program designed to prepare individuals for a career in the rapidly changing electronics and related industries field. Courses in mathematics and technical writing are blended with a variety of electronics courses to prepare graduates for a broad range of positions. The curriculum provides a meaningful balance between theoretical and practical knowledge with "hands on" skills developed in well equipped and modern laboratories.

Approximately 2/3 of the courses pertain to electronic technology, while the remaining courses include related areas and general education. This program is intended for persons seeking full-time employment in the electronics field upon graduation. Further educational opportunities may be available. Please consult an electronics faculty advisor and/or College counselor for further information.

Opportunities For Employment

Job opportunities are available in the computer and electronic fields with occupational goals such as communication technician/technologist, computer technician/technologist, electronic technician/technologist or industrial electronics.

Employment opportunities vary widely in this field due to the diversity of industries requiring electronic technologists. The primary employers of our graduates are companies which manufacture, install and service electronic equipment as well as certain service providers such as the telecommunications industry. Also, manufacturing industries with products other than electronics including chemicals, metal or wood fabrication and plastics require electronic technicians to perform new and existing system installation and upgrade, and maintenance and repair. Graduates from this program may also find related employment in areas such as customer service, quality control, and reliability engineering.

Opportunities For Advancement

Chances for advancement in this field are excellent. A firm foundation for advancement is provided by this program.

Special Consideration

Students are required to take the English and mathematics placements and correct any deficiencies in the developmental studies program if it is deemed necessary before gaining full admission to the curriculum.

Program Contacts

Dr. Richard Phillips, *Dean*
Faculty Contacts: Mr. Roy Powers,
Mr. Roger Greene
Location: Dalton-Cantrell Hall-First Floor

Mountain Empire

2006-07

Community College

Computer and Electronic Technology[TP]

		Lec Hrs.	Lab Hrs.	Crse Cr.
FIRST YEAR				
First Semester (Fall)				
ENG 111	College Composition I	3	0	3
ETR 100	Problem Solving Lab	0	3	1
ETR 113	DC/AC Fundamentals I	3	3	4
ETR 166	Fundamentals of Computer Technology	3	3	4
MTH 105	Survey of Technical Mathematics I	2	0	2
STD 100	Orientation	1	0	1
	Total	**12**	**9**	**15**
Second Semester (Spring)				
Humanities Elective		3	0	3
ETR 114	DC/AC Fundamentals II	3	3	4
ETR 143	Devices & Applications I	2	3	3
ETR 168	Digital Circuit Fundamentals	3	0	3
MTH 106	Survey of Technical Mathematics II	2	0	2
	Total	**13**	**9**	**15**
Summer Semester				
ETR 256	Devices & Circuit Design I	3	3	4
ETR 273	Computer Electronics I	3	3	4
	Total	**6**	**6**	**8**
SECOND YEAR				
Fourth Semester				
ETR 257	Devices & Circuit Design II	3	3	4
ETR 259	Linear Integrated Circuits	3	3	4
ETR 274	Computer Electronics II	3	3	4
Social Science Elective		3	0	3
HLT/PED Elective		1	0	1
	Total	**13**	**9**	**16**
Fifth Semester				
ETR 241	Electronic Communications I	2	3	3
ETR 258	Devices & Circuit Design III	3	3	4
ETR 275	Computer Electronics III	3	3	4
HLT or PED Elective		1	0	1
Social Science Elective		3	0	3
	Total	**12**	**9**	**15**

69 credits required to graduate

[TP]This program is part of the Tech Prep Initiative; students having successfully completed certain high school courses may qualify for advanced standing and receive free credit in equivalent college courses. Please see your advisor for additional information.