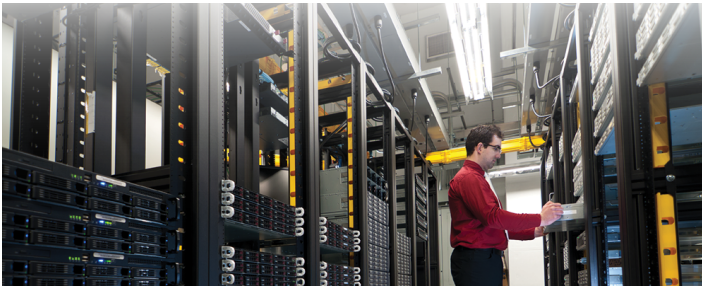


# ELECTRICAL/ELECTRONIC ENGINEERING TECHNOLOGY WITH A CONCENTRATION IN DIGITAL COMMUNICATIONS



Graduates of the Digital Communications concentration in the Electronic Engineering Technology program can work as technical specialists in the broad and diverse field of communications, in such areas as installation, operation and maintenance of (principally) digital and analog communications systems. The program emphasizes both theory and application and consists of course work and lab work in basic electronic circuits, digital and microprocessor systems, networking, analog and digital communications circuits and system and communications media (fiber optics, broadband cable, twisted pair and microwave systems).

## Program Admission Requirements

- High School Diploma/GED
- ENG-0995 Applied College Literacies or appropriate score on English Placement Test.
- MATH-0965 Intermediate Algebra or appropriate score on Math Placement Test.
- Receive a "B" grade or higher in EET-1161 Direct Current Circuits.

## Program Learning Outcomes

This program is designed to prepare students to demonstrate the following learning outcomes:

- a. Demonstrate effective oral and written communications using appropriate technology and terminology to various audiences.
- b. Work independently and as an effective member of a team to complete projects.
- c. Explain professional, ethical and social responsibilities and the need for lifelong learning in the engineering profession.
- d. Apply current knowledge of math, science, engineering, fiber, radio frequency and networking technology to build/modify troubleshoot, install, operate and maintain equipment using schematic and/or mechanical drawings, instrumentation, productivity tools, safety and other appropriate standards.
- e. Sit for certification(s).

## Suggested Semester Sequence

First Semester		Credit Hours
EET-1161	Direct Current Circuits	3
EET-1180	Surface Mount Soldering	1
EET-1190	Printed Circuit Layout	2
MET-1100	Technology Orientation	2
Select one of the following:		3
ENG-1010	College Composition I	
ENG-101H	Honors College Composition I	
Select one of the following:		3
PHIL-2020	Ethics	
PHIL-202H	Honors Ethics	
<b>Credit Hours</b>		<b>14</b>

Second Semester		Credit Hours
EET-1210	AC Electric Circuits	3
EET-1241	Digital Fundamentals	3
PHYS-1210	College Physics I	4
Select one of the following:		4
MATH-1530	College Algebra	
MATH-153H	Honors College Algebra	
Select one of the following:		3
ENG-1020	College Composition II	
ENG-102H	Honors College Composition II	
ENG-2151	Technical Writing	
<b>Credit Hours</b>		<b>17</b>

Third Semester		Credit Hours
EET-2120	Electronics I	3
EET-2131	Digital Communication Fundamentals	3
EET-2170	Signal Analysis	3
EET-2242	C and ASM Programming with Embedded Applications	3
ITNT-2300	Networking Fundamentals	3
MATH-1540	Trigonometry	3
<b>Credit Hours</b>		<b>18</b>

Fourth Semester		Credit Hours
EET-2220	Electronics II	3
EET-2231	Wired and Wireless Communication	3
EET-2591	Communications Design Project	2
ITNT-2310	TCP/IP	3
PHYS-1220	College Physics II	4
<b>Credit Hours</b>		<b>15</b>
<b>Total Credit Hours</b>		<b>64</b>