Engineering

CIP Code 15.0303

Associate in Applied Science

Engineering Technology: Electrical-Electronic Engineering

EET.AAS

Course #	Course Name	Credits	Notes
FIRST YEAR/FIRST SEMESTER			
ENG-101	English Composition I	3	Must test into ENG-101 or complete all appropriate prerequisites
EET-101	Electrical/Electronic Principles	4	**Prerequisite:** MTH-123 or MTH-125
CIM-101	Machine Shop Practices	3	
MTH-125	Accelerated Pre-calculus	4	Must test into Pre-Calculus or take all prerequisites (MTH-100)
ECO-101	Microeconomics	3	
FIRST YEAR/SECOND SEMESTER			
ENG-102	English Composition II	3	**Prerequisite:** ENG-101
CAD-101	Computer Aided Engineering Graphics	4	
EET-211	Electronics I	3	**Prerequisite:** EET-101
PHY-101	Physics I	4	**Prerequisite:** MTH-100; **Co-requisites:** MTH-124 or MTH-125
HIS-101	World Civilization I		
or HIS-102	World Civilization II	3	
SECOND YEAR/FIRST SEMESTER			
EET-201	Electrical Circuits	3	**Prerequisite:** EET-101
EET-212	Electronics II	3	**Prerequisite:** EET-211
CIM-115	Microcontroller	3	
PHY-102	Physics II	4	**Prerequisite:** PHY-101
SECOND YEAR/SECOND SEMESTER			
EET-221	Digital Circuits	3	**Prerequisite:** EET-101
EET-213	Electronic Communication	3	**Prerequisite:** EET-201 AND EET-211; **Co-requisite:** EET-212
EET-251	Electronic Project		**Prerequisite:** EET-201 AND EET-211; **Co-requisite:** EET-212
or EGR-208	Co-op: Engineering	3	
MTH-132	Statistics for Technology	4	**Prerequisite:** MTH-100
	TOTAL CREDITS	**60**	

PROGRAM DESCRIPTION

The program is designed to prepare students to work in engineering environments to construct, test, and maintain electronic devices and systems. The program uses current state-of-the-art electronic industrial test equipment and procedures.

PROGRAM STUDENT LEARNING OUTCOMES

At the end of the program, the graduate will be able to:

1. Integrate, test and analyze analog and digital components and circuits in an electronic product, system or process.
2. Analyze alternate strategies to solve electrical/electronic circuit problems.
3. Use productivity and computerized circuit simulation software to analyze experimental data from analog and digital circuits.
4. Write and orally present theory, concept or analysis of an electronic-related problem or electronic project.

SPECIAL PROGRAM REQUIREMENTS

Students should have an adequate background in algebra and trigonometry.

CONTACT PERSONS

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