

Engineering Technology: Electrical-Electronic Engineering

EET.AAS

CODE	COURSE	CREDITS	CODE	COURSE	CREDITS
First Year/First Semester			Second Year/First Semester		
ENG-101	English Composition I	3	EET-201	Electrical Circuits	3
EET-101	Electrical/Electronic Principles	4	EET-221	Digital Circuits	3
CIM-101	Machine Shop Practices	3	CSC-111	Introduction to Programming or Structured Programming (C++)	3/4
MTH-125	Accelerated Precalculus ¹ or MTH-140 Calculus I ²	4	PHY-102	Physics II or PHY-202 Physics IV	4
.....	Social Science General Education Elective ³	3	Technical Elective ⁴	3/4
		17			16/17/18
Second Semester			Second Semester		
ENG-102	English Composition II	3	EET-212	Electronics II	3
CAD-101	Computer Aided Engineering Graphics	4	EET-213	Electronic Communications	3
EET-211	Electronics I	3	EET-251	Electronic Project or EGR-208 Co-op I: Engineering	3
PHY-101	Physics I or PHY-201 Physics III	4	MTH-132	Statistics for Technology or MTH-150 Calculus II ²	4
.....	Diversity - Humanities General Education Elective	3	HPE...	Health & Exercise Science Elective	1
		17			14
				Total Minimum Credits	64

¹ The Pre-Calculus Mathematics (MTH-123) & Pre-Calculus Math II (MTH-124) series of course may be substituted for Accelerated Precalculus (MTH-125).

² All students transferring to NJIT, Temple, Drexel and Thomas Edison must take the Calculus I, II track.

³ Economics (ECO-102) is recommended.

⁴ Courses in physical sciences, high technology curricula (CADD, CIM, CST), mathematics, and computer programming will fulfill this elective.

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 GOALS

- To prepare students to seek employment as a technician or junior engineer, using industrial test and measurement equipment to evaluate and trouble-shoot the operation of electronic circuits or systems.
- To instill in the students a commitment to lifelong learning which fosters in them a desire to transfer credits to a baccalaureate program in electrical/electronic engineering technology.
- To provide students with a General Education foundation.

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 REQUIREMENT

Students should have an adequate background in algebra and trigonometry.

EMPLOYMENT OPPORTUNITIES

- Junior engineer
- Field service engineer
- Lab technician
- Quality control specialist
- Production technician
- Technical salesperson

TRANSFER INSTITUTIONS

- Drexel University
- Temple University
- New Jersey Institute of Technology

CONTACT PERSON

Dr. Lawrence M. Chatman, Coordinator
(856) 227-7200, ext. 4523
email: lchatman@camdencc.edu

Highlights

This program maintains articulation with the following baccalaureate institutions offering degrees in engineering technology: New Jersey Institute of Technology, Temple University, Thomas Edison College, and Drexel University.