

Course ID	Title
ET101	Basic Electronics
ET102	Circuit Analysis
ET103	Digital Systems
ET201	Microcontrollers
ET202	Communication Systems
MAT101	College Mathematics
PHY101	Physics for Technicians
ETE101	Electronic Fabrication
ETE102	Renewable Energy Systems
ETE103	Robotics and Automation
COM101	Technical Communication

Description	Prerequisite Credits	
Introduction to basic electronic concepts	None	3
In-depth circuit analysis techniques	ET101	3
Fundamentals of digital electronics	ET101	3
Programming and applications of microcontrollers	ET103	3
Principles of analog and digital communication systems	ET102	3
Mathematical concepts in technical applications	None	3
Basic principles of physics relevant to electronics	MAT101	3
Techniques for assembling electronic components	None	2
Introduction to renewable energy systems and their electronic components	None	2
Overview of robotics and automation in the electronics industry	ET103	2
Writing and presentation skills for technical fields	None	3

Category

Core

Core

Core

Core

Core

General Education

General Education

Elective

Elective

Elective

General Education