



ELECTRICAL OR COMPUTER ENGINEERING MINORS MAY ONLY REQUIRE A FEW HOURS OF STUDY BEYOND YOUR DEGREE. TALK TO YOUR ADVISOR FOR DETAILS!

## MINOR CORE COURSES (12 CREDIT HOURS)

ECEN 2233	Digital Logic Design	ENSC 2611	Electrical Fabrication Lab
ECEN 2714	Fundamentals of Circuits	ECEN 3714	Network Analysis

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## EE MINOR REQUIRED (4 CREDIT HOURS)

ECEN 3314	Electronic Devices and Applications
ECEN 3213	Computer Based Systems

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## CpE MINOR REQUIRED (3 CREDIT HOURS)

ECEN 3213	Computer Based Systems
ECEN 4213	Embedded Systems

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## EE MINOR ELECTIVE (6 CREDIT HOURS)

### POWER/ENERGY

ECEN 3113	Energy, Environment Economics
ECEN 4133	Power Electronics
ECEN 4153	Power Systems

### COMMUNICATION

ECEN 3513	Signal Analysis
ECEN 4523	Communication Theory
ECEN 4533	Data Communication

### RADIO/MICROWAVE

ECEN 3613	Applied Fields I
ECEN 4613	Microwave Engineering

### CONTROL

ECEN 3723	System I
ECEN 4413	(MAE4053) Automatic Control
ECEN 4493	AI for Engineering

### ELECTRONICS/CHIP DESIGN

ECEN 4313	Linear Electronics
ECEN 4353	Communication Electronics
ECEN 4303	Digital IC Design

### SIGNAL PROCESSING

ECEN 3513	Signal Analysis
ECEN 4763	Digital Signal Processing
ECEN 4743	Biomedical Modeling

### LASER/OPTICS

ECEN 4823	Design of Optical Systems
ECEN 4843	Design of Lasers and Systems

## CpE MINOR ELECTIVE (6 CREDIT HOURS)

### EMBEDDED SYSTEMS

ECEN 4213	Embedded Systems
ECEN 4223	Mobile Robotics

### SOFTWARE/NETWORKS

ECEN 4273	Software Engineering
ECEN 4283	Computer Networks

### COMPUTER DESIGN

ECEN 4233	Computer Arithmetic
ECEN 4243	Computer Architecture

### AI PROGRAMMING

ECEN 4293	Applied Numerical Methods for Python
ECEN 4493	AI for Engineering



SCHOOL OF  
**ELECTRICAL AND  
COMPUTER ENGINEERING**  
College of Engineering, Architecture and Technology

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**NOW AVAILABLE**  
**ECE MINORS**

ELECTRICAL ENGINEERING (EE, 22 CREDIT HOURS)

COMPUTER ENGINEERING (CpE, 21 CREDIT HOURS)