ELECTRICAL AND COMPUTER ENGINEERING
MASTER OF ENGINEERING

SIU Southern Illinois University
CARBONDALE

ONLINE

The program is available 100% online with asynchronous (live broadcast lectures) or synchronous learning. It provides the necessary credentials for career advancement in electrical/computer/electronics/data engineering fields.

Available courses taught by faculty in the following areas:
• Clean Electric Energy, Electric/Hybrid Vehicles, Power Systems, Power Systems Analysis
• Hardware and Software aspects in Computer Engineering, Electronics, and VLSI
• Digital Signal Processing, Control, Mechatronics, Communications, Photonics
• Data analysis, Machine Learning, Deep Neural Networks, Hardware/Software codesign for Deep Learning

TARGET AUDIENCE:
Working professionals with a bachelor's degree in engineering, computing, physics, and relevant fields to enhance their skills and rise to the challenge of leadership, desiring to pursue a career path in Electrical Engineering, Computer Engineering, Electronics Engineering, or Engineering aspects in data analysis and AI.

ADMISSION REQUIREMENTS:
Programming fundamentals, Calculus I & II, electric circuits, signals.
Students who have not completed these undergraduate courses may be admitted conditionally and should complete these requirements before graduating with the degree.

COST:

ACADEMIC CALENDAR:
Semester basis.
Fall Semester 2023: 8/21/2023
Spring Semester 2024: 1/15/2024
Summer Semester 2024: 6/10/2024
Fall Semester 2024: 8/19/2024
Spring Semester 2025: 1/13/2025

TEXTBOOK PURCHASE:
Textbooks can be ordered online.

TRANSFER HOURS POLICY:
6 credit hours can be transferred if they equate to existing courses offered at SIUC that qualify towards the degree requirements.
Residency requirement: Each student must complete the residence requirement by taking a total of 42 semester hours at Southern Illinois University

FINANCIAL AID INFO:
Available through SIU's Financial Aid Office.

SPECIAL CHARACTERISTICS:
Assistance in applying to the program, and access to advisers. All courses are taught by faculty in the School of Electrical, Computer, and Biomedical Engineering at SIUC. A variety of offered courses allow you to specialize in Electrical Engineering, Computer Engineering, Electronics Engineering, or data analysis and AI for engineering applications.

CONTACT PERSON(S):

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WEBSITE:
https://engineering.siu.edu/elec/graduate/online-me-ece.php

REQUIRED COURSES:

TOTAL HOURS NEEDED: 30

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