# ELECTRICAL ENGINEERING TECHNOLOGY
## BACHELOR OF SCIENCE

**SIU** Southern Illinois University
CARBONDALE

**ONLINE**

## CONTACT PERSON(S):

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## WEBSITE:
https://engineering.siu.edu/tech/
undergraduate/engineering-
technology

## REQUIRED COURSES:

EET 150  Intro Electrical Engineering Technology
EET 238  Digital System Fundamentals
EET 245  Intro Circuit Theory & Applications
EET 304A  AC/DC Circuit Theory
EET 304B  AC Network Theory
EET 332A  DC Motors/Generators
EET 332B  AC Electric Machines
EET 403A  Electronic Circuit Analysis
EET 403B  Electronic Applications & Design
EET 437A  Telecom Systems Fundamentals
EET 437B  Data & Computer Communication
EET 438A  Auto Control Systems Tech
EET 438B  Digital Control Systems
EET 439  Microcontroller Application & Design
EET 495A  EET Senior Design I
EET 495B  EET Senior Design II

Technical Elective Credits 7

Program graduates are equipped with knowledge and skills in the high-demand technical fields of computer systems, microelectronics, communication systems and electric power distribution. Graduates obtain careers as Electronic Design Engineers, Field Service Engineers, Senior Engineer Technicians, Application Engineers, and Sales Engineers. The flexible online EET program combines the analytical approach of engineering with practical skills using modern technology to solve real-world problems. Using an understanding of theory and mathematics, along with laboratory experimentation, program graduates are responsible for the design, implementation and application of electronic, computer and power systems.

## TARGET AUDIENCE:
Working adults and AAS graduates

## ADMISSION REQUIREMENTS:
- Minimum GPA 2.0/4.0
- Technical background
- Off-campus admission application accompanied by a $40.00 fee
- Official transcripts for all prior coursework

## COST:
Tuition and fees are posted at http://tuition.siuc.edu

## REGISTRATION PROCEDURE:
Online registration. See SIU Schedule of Classes.

## ACADEMIC CALENDAR:
Fall, Spring, Summer semesters

## DELIVERY MODE:
Online

## TEXTBOOK PURCHASE:
From the vendor of student's choice.

## TRANSFER HOURS POLICY:
Transfer credit is generally accepted from regionally accredited institutes of higher learning, CLEP, and DANTES.

## TOTAL HOURS NEEDED:
| | |
|---|---|
| EET major | 56 SH |
| Approved electives | 7 SH |
| University Core/Dept | 54 SH |
| | Total 120 SH |

## FINANCIAL AID INFO:
Contact the SIUC Financial Aid office at http://fao.siu.edu

## SPECIAL CHARACTERISTICS:
An innovative component of the EET online classes is the "hands on" experience that students will obtain throughout each course. Students utilize a suite of portable test instruments and software simulation in conjunction with online videos, lectures, software simulations and reading material to re-enforce theory and build practice skills valued in the workforce.