

# ELECTRICAL ENGINEERING TECHNOLOGY BACHELOR OF SCIENCE

**SIU** Southern Illinois  
University  
CARBONDALE

## ONLINE

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:

\$401.25 per credit hour

### REGISTRATION PROCEDURE:

Online registration.

### ACADEMIC CALENDAR:

Fall, Spring, Summer semesters

### TEXTBOOK PURCHASE:

From the vendor of student's choice.

### TRANSFER HOURS POLICY:

No limit.

### TOTAL HOURS NEEDED:

EET major	56 SH
Approved electives	7 SH
University Core/Dept	54 SH
<b>Total</b>	<b>120 SH</b>

### 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.

### CONTACT PERSON(S):

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### WEBSITE:

[https://academics.siu.edu/  
computing-and-technology/  
electrical-engineering-technology/  
bachelors.php](https://academics.siu.edu/computing-and-technology/electrical-engineering-technology/bachelors.php)

### REQUIRED COURSES:

EET 150	Intro Electrical Engineering Technology
EET 238/238L	Digital System Fundamentals with Lab
EET 245/245L	Intro Circuit Theory & Applications/Lab
EET 304A/304A-L	AC/C Circuit Theory/Lab
EET 304B/304B-L	AC Network Theory & Applications/Lab
EET 332A/332A-L	DC Motors/Generators & Energy Conversion Devices Lab
EET 332B/332B-L	AC Electric Machines & Power Systems/Lab
EET 403A /403A-L	Electronic Circuit Analysis/Lab
EET 437A/437A-L	Telecom Systems Fundamentals/Lab
EET 437B/437B-L	Data & Computer Communication/Lab
EET 438A/438A-L	Auto Control Systems Technology/Lab
EET 438B/438B-L	Sequential Digital Control and Data Acquisition/Lab
EET 439/439L	Microcontroller Application & Design/Lab
EET 440/440L	Embedded Systems Design/Lab
EET 495A	EET Senior Design I
EET 495B	EET Senior Design II