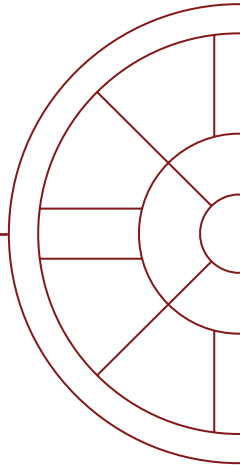




# SCHOOL OF ELECTRICAL AND COMPUTER ENGINEERING



The field of electrical and computer engineering continues to evolve into an ever-broadening discipline that is rapidly reaching into more aspects of common everyday life. Given the current national academic climate where science, technology, engineering and mathematics majors are in short supply, it is of paramount importance that the School continue its mission of educating and preparing the latest generation of electrical and computer engineers through its established ABET accredited undergraduate programs, its growing accelerated master's program, and its traditional master's and doctoral programs.

## BY THE NUMBERS

**\$15.1 M+**

Research Expenditures

**16:1**

Student to Faculty Ratio

**\$72,867**

Average starting salary for  
OU ECE graduates

## MAJORS

Electrical Engineering  
Computer Engineering

### Accelerated (5-year)

#### Dual Degree Programs

B.S. Computer Engineering/  
M.S. Electrical and Computer  
Engineering  
B.S. Electrical Engineering/  
M.S. Electrical and Computer  
Engineering  
B.S. Computer Engineering/  
M.S. Computer Science

## MINOR

Electrical and Computer Engineering

## CONTACT US

(405) 325-8131  
Devon Energy Hall, Rm. 105  
[www.ou.edu/coe/ece](http://www.ou.edu/coe/ece)  
For general questions:  
[goengineering@ou.edu](mailto:goengineering@ou.edu)



Undergraduate student, Thomas Fugate, member of Paul Moses', Ph.D., research group the Laboratory for Electrical Energy and Power Systems.

Sooner Competitive Robots team at competition.

“The Electrical and Computer Engineering program at OU has given me a fulfilling experience in pursuing my dream career in robotics. The faculty has your success in mind, and I have had the opportunity to take classes in interesting fields such as microprocessor system design, VLSI digital system design, artificial intelligence, and digital signal processing. By incorporating experiential learning into the curriculum and being able to practice engineering on a competition team such as Sooner Competitive Robotics, the ECE program has given me the confidence to apply the knowledge learned in the classroom to real world settings.”

– Braden White, Computer Engineering, Class of 2024

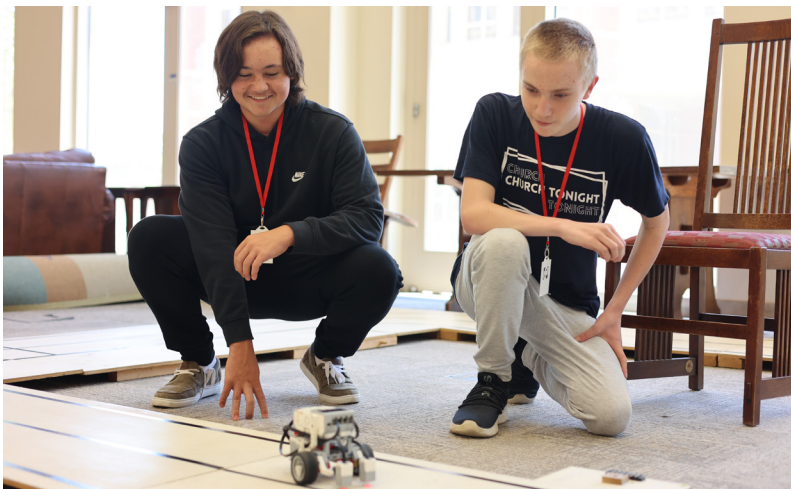


## THINGS TO KNOW

**1** Outstanding faculty specialize in the fields of radar and electromagnetics; medical imaging technology; solid state and photonics; communications; computer and embedded systems; signals, systems, and controls; and power and energy systems. These focus areas provide an opportunity for students to engage in specialized learning to gain research experience in areas of targeted interest. Such experience often proves invaluable in building one's engineering skillset.

**2** We operate one of the strongest research departments on campus, which is one of the best indicators of program health and relevance. The school averages over \$15M in research expenditures – this places OU among the top programs in the nation. Students have the opportunity to learn from some of the best minds in the world and to experience innovative research firsthand.

**3** One of the critical aspects of any undergraduate engineering program centers on its teaching lab sequence, which provides the knowledge and skills necessary to compete in the job market and to solve today's challenging problems. We provide a strategically designed lab sequence that carefully leads students through an introduction to digital circuits, analog circuits and electronics, advanced digital design, and terminates in a senior-level, real-world capstone project.



Students participate in hands-on projects during the OU Engineering Days summer camps.

## SELECT COURSES

Electrical Circuits I and II  
Microprocessor System Design  
Radio Frequency and Microwave Engineering  
Optical Engineering  
Signals and Systems

## ECE STUDENT ORGANIZATIONS

Institute of Electrical and Electronic Engineers (IEEE)  
Eta Kappa Nu  
Sooner Competitive Robotics  
+ over 40 engineering student organizations

## CAREER PATHS

**Boeing** Oklahoma City, OK  
*Design and Analysis Engineer*

**ConocoPhillips** Bartlesville, OK  
*Information Technology Engineer*

**Fiat Chrysler Automobiles** Belvidere, IL  
*Electrical Engineer*

**United States Patent and Trademark Office** Alexandria, VA  
*Electrical Engineering Patent Examiner*

**Western Digital** Colorado Springs, CO  
*Software Engineer*