

# WCU

*A UNC Campus on the Move!*



## Electrical Engineering

### ***What makes this program special?***

Our Electrical Engineering program is offered jointly by Western Carolina University and UNC-Charlotte. In addition to the fundamental courses in Electrical Engineering, this program is focused on optoelectronics and optical communications. The combination of technical and communications skills inherent in this program ensure that EE graduates are well-rounded and able to fit into many different work environments. Students in the program are provided a personal educational experience by the faculty and staff to help attain personal goals and objectives.

### ***Are there any additional admission requirements?***

Yes. Prospective students need to have four years of high school math, high school chemistry, a math SAT score greater than 520, and a combined SAT score greater than 1000. During orientation, incoming freshmen must take a math placement test.

### ***What scholarship monies are available?***

All students are considered for merit-based scholarships at the time of admission. Additional scholarships are available based on FAFSA information. Once accepted into the Electrical Engineering program, students may apply for scholarships ranging from \$100 to \$1,000 per year.

### ***What will I be able to do with this degree when I graduate?***

An Electrical Engineering degree provides ample employment opportunities in design, modeling and prototyping; fabrication; testing; sales; or analysis of electrical and photonic products and systems. In addition, students can continue their education to get a graduate degree in Electrical Engineering or Optical Science.

### ***What are the professors like?***

WCU's Electrical Engineering faculty has many years of practical industrial experience as well as a passion for teaching. Faculty members are active in many industry-

### *Things you need to know*

- Bachelor of Science Degree
- Requires 85 credit hours, with 42 hours of liberal studies
- Opportunity to work with state-of-the-industry simulation software
- Committed faculty and staff
- Great academic advising for students by professors they know
- Active IEEE student chapter
- School scholarships for students who have completed at least one semester on campus
- Chance to work on real-life business and industry projects
- Numerous outdoor and indoor activities available
- Minor in Telecommunications
- Outstanding laboratory facilities

### ***Careers with this Degree***

- Electrical Engineering
- Test Engineering
- Systems Engineering
- Technical Management
- Systems Analyst
- Technical Sales

### ***Contact***

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[http://et.wcu.edu/ET-CC\\_EE.htm](http://et.wcu.edu/ET-CC_EE.htm)

Visit us online at **gotowestern.com**  
or call 877.WCU.4YOU to apply to WCU.

related organizations, such as the Institute of Electrical and Electronics Engineers (IEEE), American Society of Engineering Educators and Optical Society of America. EE professors make it a point to learn their students' names and provide excellent academic advising every semester.

### ***What are the students in the program doing?***

Students in the Electrical Engineering program use the engineering design method to solve real-world problems in class and/or during lab time. The students have a wide array of educational and extracurricular activities available to them, for example, attending and providing presentations at Institute of Electrical and Electronics Engineering (IEEE) functions.

### ***Will I be able to participate in internships, clubs and other extracurricular opportunities?***

Electrical Engineering students may join WCU's student chapter of the Institute of Electrical and Electronics Engineers (IEEE). This student group has activities throughout the year, including monthly meetings, exciting field trips and fundraisers. Base Camp Cullowhee also provides equipment for outdoor activities.

See our program site:

[http://et.wcu.edu/ET-CC\\_EE.htm](http://et.wcu.edu/ET-CC_EE.htm)



### ***The University***

A campus of the University of North Carolina system, WCU is located in a beautiful valley between the Blue Ridge and Great Smoky mountains, with convenient access to a region that offers tremendous opportunities for outdoor research and recreation. Western is an hour's drive west of Asheville, N.C., and 2.5 hours northeast of Atlanta.

About 9,000 students are enrolled at Western, including about 1,700 graduate students. Some classes are available online for distance education, but most are offered in person on the main campus in Cullowhee, in Asheville, and at other locations throughout Western North Carolina. A combination of service learning and engagement in the community by faculty and students is a critical part of Western's tradition of academic excellence.

*Come Visit Campus  
for an Open House*