Interested in electronics?

Do you enjoy solving puzzles, designing and building projects and seeing how things work?

Do you prefer learning through experimentation and class projects?

Would you like to work in a group-learning environment with other students and faculty?

Are you interested in preparing for entry-level positions in electronics?

Are you interested in transferring to a four-year university with undergraduate training in electrical or electronic engineering?

Would you like the flexibility of taking classes in a traditional classroom setting or online to accommodate your work schedule?

If you answered "yes" to any of these questions, contact the RCC Electronics Department and start your electronics training today: 541 245-7844.

Here's what RCC graduates say about the Electronics Technology program

"The RCC Electronics program gives you a foundation for all aspects of electronics. The troubleshooting and radio frequency communications classes I took especially prepared me for the job I have now, working with high-end synthesizers in the music industry."

— Charles Sifre
AAS degree, Electronics Technology, 2012-13
Employed by Buchla Electronics, Grants Pass

"The RCC program absolutely helped me get my job. It's a big challenge to prepare for an electronics career. RCC gave me exposure to a variety of things I'd be doing."

— Joel Krawczyk
AAS degree, Electronics Technology, 2012-13
Employed at Linx Technology, Merlin

"RCC gives a good basic understanding of electronics. You do real life work and it's enjoyable, but you really have to work at it. It's for people who want to excel."

— Jeremy Burke
Associate of Applied Science degree,
Electronics Technology, 2011-12
Transferred to Oregon Institute of Technology
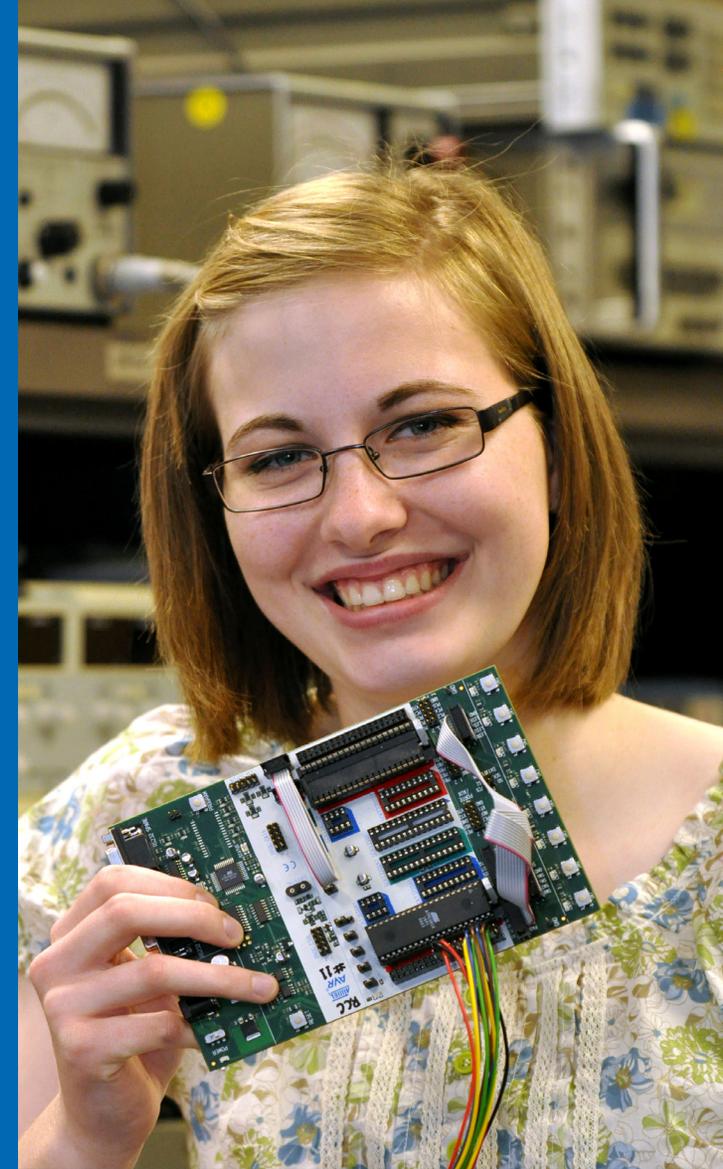
RCC
Rogue Community College
www.roguecc.edu

Electronics Technology

A career technical training program

Interested in an electronics career?

Electronics is a broad field that continues to have positive growth. By offering training that ranges from electronics fundamentals to advanced courses in radio frequency and microwave communications, RCC prepares students for a variety of careers.

Career opportunities in electronics

- Microprocessor/Microcontroller
- Cell phone/Communication
- Navigation
- Robotics
- Audio/Video
- Industrial
- Semiconductor Manufacturing
- Automation
- Automotive
- Computer Support
- Biomedical
- Security
- Instrumentation
- Lasers

Job income projections

Overall employment of electronic technicians and related occupations is expected to continue to increase through 2020. Competitive pressures will force companies to improve and update manufacturing facilities and product designs, resulting in more jobs for electronics technicians. Median salaries for Electric/Electronics Technician I is $39,998 with benefits.*

RCC Electronics graduates average starting wages were $14.13 per hour for 2010-2012. Data tracking of former RCC graduates document an average yearly salary of $49,250. The majority of employers also pay for continuing education in the field.

*Industry trend salary retrieved from www.collegegrad.com

Who hires RCC graduates?

- All Trax, Inc.
- Asante
- Ascentron, Inc.
- Brammo Electric Motorcycles
- Diode Laser Concepts
- Hach Ultra Analytics, Inc.
- Kathrein Scala Antennas
- Lighthouse, Inc.
- Linx Technologies
- Met One Instruments
- MV Pro Audio
- QWest
- Radio Design Group, Inc.
- Southern Oregon University
- Wagner Electronics

About the program

Blended coursework

RCC electronics courses are delivered as a combination of online classes and hands-on open labs, which allows flexible instruction delivery. Students can participate in classes when their schedules allow, promoting greater success in completing the program.

Online instruction

Online instruction is provided through ANGEL, software that creates a virtual learning environment. Students also receive course assignments online, view problem examples, download handouts and exams, and access email. Some labs also can be completed online by purchasing the Multisim electronics simulation program.

Open labs

The physical labs offer direct, face-to-face instruction, safety and lab equipment demonstrations. Students may spend as much time in the lab as needed to meet the course requirements.

Certificate of Completion

The Electronics Technician one-year certificate is designed for students seeking entry-level positions in manufacturing or service industries. The program emphasizes theory fundamentals, practical trouble-shooting, and basic electronics design.

Students interested in the computer support and microcontroller interfacing curriculum can enroll in the one-year PC Microprocessor Systems Technician certificate. Students needing training in solar, wind, and associated green technologies can earn a one-year renewable energy certificate.

Associate of Applied Science degree

The AAS degree builds on the one-year certificate and includes advanced courses in radio frequency, micro-wave communications, and microcontrollers. Students also take an industry-standardized test (ISCET) that illustrates to employers entry-level proficiencies in analog, digital, and troubleshooting techniques in the electronics field.

RCC students who earn an AAS degree have a greater than 85 percent success rate finding jobs in the electronics field. And because RCC has articulation agreements with Southern Oregon University and Oregon Tech, RCC students can transfer credits or the AAS degree toward advanced placement at those institutions in engineering programs such as Computer Software, Embedded Systems, and Programming.

For more information, contact Dave McKeen, Electronics Technology Department Chair, 541-245-7844.