

Electronics Technology

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Program Objectives

The Casper College electronics technology program has three primary objectives:

- To provide certification opportunities to those wishing to obtain an entry-level position in the field of electronics technology
- To provide comprehensive electronics technology training to ensure that two-year graduates are technically qualified to obtain a well-paying job in the electronics industry
- To provide the necessary background for students to take advanced training in a four-year program in electronics technology

One important facet of the Casper College electronics program is the opportunity to gain “hands-on” experience with state-of-the-art equipment in a lab setting where students learn by installing, maintaining and repairing electronic equipment.

Students in the electronic technology program will gain knowledge of the electronic equipment that is used in industrial electronics and computer electronics. This includes motor control, SCADA and program logic control equipment, fiber optic, digital imagery, and small computer repair.



Points of Pride

- Brand new equipment in labs - \$14,000 investment in training equipment including new SCADA and Allen-Bradley equipment.
- Employment opportunities abound! Locally, starting salaries range from \$15-\$25 per hour.
- Additional opportunities for computer repair and network training.
- Outstanding public funding of Casper College allows students to receive a superior education for a fraction of the cost of a for-profit trade school.
- Associates of Applied Science Degree:
 - Electronics Technology
- Certificates:
 - Computer Electronics
 - Industrial Electronics

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Employment opportunities

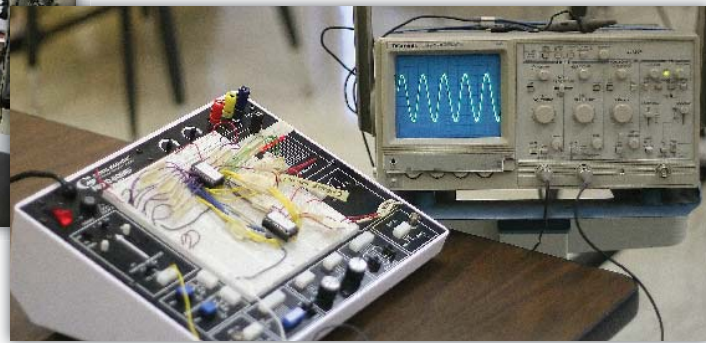
There are a variety of opportunities for graduates earning associate of applied science degrees in electronics technology. The Casper College Career Center is dedicated to helping students find jobs after they complete their degree programs.

- You may wish to apply for a position in the following fields:
- Computer repair technician
- Telecommunications technician
- Fiber optic technician
- Industrial instrumentation technician
- Power plant instrument technician

Many industries use sophisticated electronic equipment that must be installed, maintained and repaired. Some of those industries include:

- Automation
- Industrial and research computing
- Data processing
- Telecommunications
- Oil field instrumentation

Credits earned at Casper College are transferable to several universities that offer bachelor's degrees in electronic technology. Also a computer electronics certificate and an industrial electronics certificate are available, for entry-level employment in those areas.



Curriculum: Electronics Technology

Major Requirements:

- Electrical Circuits
- Electrical Concepts Lab
- Introduction to Solid State Electronics
- Electronic Design and Fabrication
- Introduction to Digital Electronics
- Microprocessor Fundamentals
- Motor and Process Control
- Electronic Communications
- Advanced Microprocessors
- Programmable Logic Controllers
- Electronics Imaging Techniques
- Computer Networking
- Small Computer Repair Techniques
- Fiber Optics