ELECTRONICS/TELECOMMUNICATIONS TECHNOLOGY

Overview

Degrees Offered: AAS
Limited Enrollment: Yes
Program Begins: Fall
Delivery Method: On Campus
Phone: 701-224-5651 • 800-852-5685
Email: bsc.aeat@bismarckstate.edu

Description

The Electronics/Telecommunications Technology program at BSC is a degree program offered on campus, though the first year of the program may be completed online. It provides students with a good basic electronics background, as well as specialized training in analog and digital telecommunications, copper and fiber optic media, radio communications, and digital electronics. Coursework contains four semesters of digital electronics and additional coursework in AC and DC analysis, solid state and active devices, electronic communications and telecommunications.

The program is directly applicable to the job market. It includes classroom instruction and work in a well-equipped laboratory where the theory learned in the classroom may be applied.

Preparation

Students considering Electronics/Telecommunications Technology should have good reading comprehension and an aptitude for math. Prior experience with high school algebra, physics, basic computer literacy, and good reading skills are helpful.

Continuing education after graduation is common to keep up with changes in technology and service procedures.

Program Requirements

The online offering of Electronics/Telecommunications Technology requires students to complete a consultation before entering the program. Students who complete the degree plan requirements earn an Associate in Applied Science degree.

Career Opportunities

Electronics/Telecommunications technicians are in high demand. The field is among the fastest growing occupations requiring college education, but less than a bachelor's degree. Virtually every industry has some electronic aspect to its operations. Manufacturing, information technology, servicing, processing, and telecommunications industries will continue to need skilled workers to install, maintain, and repair increasingly complex systems.

Career opportunities include manufacturing technician, calibration technician, network technician, factory service technician, troubleshooter, specialist, manufacturer's sales representative, maintenance supervisor, service manager, wholesaler/retailer of electronic equipment, business owner.

Degree Plans

- Electronics/Telecommunications Technology Associate in Applied Science

Program Learning Outcomes

Upon graduation, Electronic Telecommunication Technology students will:

- Demonstrate knowledge and comprehension of how to analyze electronic circuits and devices.
- Construct, calibrate, and test circuitry using lab equipment.
- Troubleshoot electronic circuits using problem solving.
- Demonstrate the ability to adhere to lab safety standards.