

TECHNICAL STUDIES FOCUS IN DEFENSE TECHNOLOGY

ON CAMPUS • TECHNICAL STUDIES DEGREE
• LIMITED ENROLLMENT



The Defense and Aerospace sector is among the largest employers of electronics technicians in the United States. Students will earn a certificate in Electronics Technology upon completion of the first year's coursework and a Technical Studies Associate with a focus in Defense Technology upon completion of the second year's coursework.

CAREER opportunities

- Avionics Technician
- Radar Systems Technician
- Test and Evaluation Technician
- Field Service Technician
- UAV / UAS Systems Technician
- Embedded Systems Technician
- Defense Systems Technician
- DoD Civilian Technician
- Communications Systems Technician
- Calibration Technician
- Defense Contractor Support
- Intelligence Systems Technician

HANDS-ON LEARNING WORKFORCE READY.

Launch a high-demand career supporting the advanced technologies behind today's defense and aerospace industries.

The Technical Studies degree with a focus in Defense Technology at Bismarck State College combines a rigorous foundation in electronics with advanced coursework in the systems that power modern aerospace, government, and defense operations. You will work in BSC's well-equipped laboratory, applying theory to real-world scenarios involving radar systems, microwave communications, precision navigation, embedded systems, and deployed system maintenance — skills in high demand with major defense contractors and government agencies. This program prepares you to enter the workforce ready to support and maintain some of the most sophisticated electronic systems in use today.

PRESCRIBED TECHNICAL PROGRAM REQUIREMENTS

- ELEC 100/L** Direct Current Analysis
- ELEC 116/L** Fundamentals of Digital Electronics
- ELEC 120/L** AC Analysis
- ELEC 134** Fundamentals of Digital Communication
- ELEC 118/L** Solid State Devices I
- ELEC 130/L** Active Devices
- ELEC 222/L** Electronic Communications I
- ELEC 224/L** Electronic Communications II
- ELEC 230** Discrete Structures of Defense Technology
- ELEC 235/L** Embedded Systems for Technicians
- ELEC 240** Deployed Systems Maintenance

**Program also includes required general education classes*



bismarckstate.edu

*Earning estimates were provided by Lightcast in the summer of 2026

An equal opportunity provider.
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