ELECTRICIAN TECHNICIAN

ON CAMPUS • LIMITED ENROLLMENT • ASSOCIATE DEGREE



BISMARCK STATE COLLEGE | North Dakota's Polytechnic Institution

CAREER opportunities

The Electrician Technician program equips graduates for a growing field projected to see a +10.9% job growth from 2022-2033 (Lightcast).

This hands-on program prepares graduates for careers as an apprentice electrician in residential, commercial, or industrial settings.

Graduates can pursue versatile careers, from installing and repairing electrical systems in homes and businesses to working in industrial environments like power plants, refineries, and manufacturing facilities.

HANDS-ON LEARNING WORKFORCE READY.

The Electrician Technician program at BSC will prepare you for a career as either a residential, commercial or an industrial technician.

Receive a hands-on education, diving into the essential tasks and skills you'll need to succeed in the workforce. You'll learn to install conduits, run wiring, strip wires, operate a multimeter, and handle a variety of tasks relevant to the field. Plus, you'll master reading and navigating the National Electrical Code along with other related rules and regulations.

In your second year, you'll be introduced to advanced industrial equipment and concepts. This includes getting familiar with basic instrumentation, blueprints, motors, generators, PLCs and other controllers, electrical services, three phase and transformer theory,

PRESCRIBED TECHNICAL PROGRAM REQUIREMENTS

ENRT 106	DC Fundamentals
ENRT 108	AC Fundamentals
ELTR 101	Electrical Industry and Safety
ELTR 110	National Electric Code I
ELTR 112	Residential Wiring
ELTR 111	National Electric Code II
ELTR 113	Commercial and Industrial Wiring
ELTR 114	Conduits and Practical Skills
ELTR 206	Advanced Electrical Concepts
ELTR 205	Electrical Services
ELTR 202	Blueprints and Diagrams
ELTR 208	Three-Phase Systems and Transformers
ELTR 210	National Electric Code III
ELTR 211	Code Applications and Calculations
ELTR 212	Low Voltage Wiring and Telecommunications
ICTL 235/L	Motors and Controllers/Lab
ICTL 245/L	Controls/Lab

*Program also includes required general education classes

STRONG JOB MARKET

INDUSTRY READY SKILLS

$78.6K MEDIAN SALARY

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

bismarckstate.edu

An equal opportunity provider.

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