# Electrical Technology (ELT)

**PURPOSE:** The ELT program teaches the theories and principles of the operation of electrical appliances, equipment, and machines; the installation and maintenance of motors, transformers, industrial controls, programmable logic controllers, and variable speed drives. The study of the National Electrical Code and preparation for Journeyman Electrical Test are included. A variety of related laboratory projects allow students to put into practice the knowledge and skills gained.

## Possible Occupations
- Residential and commercial electrician
- Residential and commercial electrician in equipment maintenance
- Residential and commercial construction installer, equipment
- Utility worker
- Electrical and electronics repairer, powerhouse, substation, and relay
- Electrical and electronics repairer, commercial and industrial equipment
- Electrical and electronics installer and repairer, transportation equipment
- Electric motor, power tool, and related repairer

## Industry Opportunities
- Industrial plants
- Residential and commercial construction companies
- Utility companies
- Healthcare facilities
- Public utilities
- Manufacturing plants
- Communications
- Mines
- Transportation departments
- Government agencies
- Wholesale/retail trade establishments
- Business offices
- General contractors
- Self-owned businesses

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*Degrees/Certificates offered at Shelton State:*
- Industrial Electronics – ASSOCIATE IN APPLIED SCIENCE DEGREE and Certificate