

# Program comparison

## ELECTRICAL ENGINEERING TECHNICIAN (EETN)

## ELECTRICAL ENGINEERING TECHNOLOGY (EETY)

**1** PROGRAM TYPE

Two years (four academic semesters and two co-op work terms)

Three years (six academic semesters and three co-op work terms)

**2** PROGRAM FOCUS IS ON...

- Fundamental electrical principles, math, electrical systems and controls, and CAD skills (first year)
- Electrical training, including electrical machines, robotics, PLC's, electrical maintenance, and power transmission (second year)
- In-person labs or field-based learning

- Fundamental electrical principles, math, electrical systems and controls, and CAD skills (first year)
- Electrical training, including electrical machines, robotics, PLC's, electrical maintenance, and power transmission (second year)
- Advanced electrical management, laboratory and research skills (third year)
- Application of knowledge and skills related to the control and protection of electrical systems, equipment and system design

**3** PROGRAM WORKLOAD AND EXPECTATIONS ARE...

- 19 to 20 hours of classes per week
- Six courses per semester
- Requires moderate math, written, communication and computer skills

- 19 to 20 hours of classes per week
- Six courses per semester
- Progressive math, written, communication and computer skills based on first- and second-year courses

**4** TO BE A SUCCESSFUL STUDENT OR EMPLOYEE, YOU WILL...

- Be job-specific focused
- Work with minimum supervision
- Be reliable, dependable and respectful
- Have good communication skills
- Be a strong team player and a self-starter
- Have the ability to prioritize, meet deadlines and work independently
- Actively participate in the program

- Be career-focused
- Be self-directed and have good time management and priority-setting skills
- Have the ability to lead a team
- Have strong communication skills and high attention to detail
- Be professional and have good decision-making skills
- Be able to prioritize, meet deadlines and work independently

**5** AFTER GRADUATION, YOU WOULD LIKE TO BE...

- An entry-level employee in the rapidly expanding electrical field
- Working under the direction of a team lead
- Self-directed with limited administrative reporting
- Performing assigned tasks and daily duties

- Considered for future managerial roles
- Self-directed with administrative reporting
- Developing and managing projects; troubleshooting problems

**6** YOU MIGHT WORK FOR...

- Electrical utilities, power generators, distribution companies and service companies
- Electrical industrial systems design, builders, installers and programmers
- Green energy, automation, manufacturing, robotics, and many other related industries
- Electrical equipment sales and service