Electrical Technician and Technology – Program Fit

**Program focus**
- **Electrical Technician (EETN)**
  - Two years (four academic semesters + two co-op work term)
  - First year – fundamental electrical principles, math, electrical systems & controls and CAD skills
  - Second year – electrical training including electrical machines, robotics, plc’s, electrical maintenance and power transmission.
  - Strong focus on lab or field-based learning.
- **Electrical Technology (EETY)**
  - Three years (six academic semesters + three co-op work terms)
  - First and second year – identical to Technician program
  - Third year – advanced electrical management, laboratory and research skills
  - Application of knowledge and skills related to the control & protection of electrical systems, equipment and system design.

**Program workload and expectations**
- **Electrical Technician (EETN)**
  - 19-20 hours of classes a week
  - Six courses per semester
  - Moderate math, written, communication and computer skills
- **Electrical Technology (EETY)**
  - 19-20 hours of classes a week
  - Six courses per semester
  - Progressive math, written, communication and computer skills based on first and second year courses

**Successful student/employee**
- **Electrical Technician (EETN)**
  - Job-specific focused
  - Work with minimum supervision
  - Reliable, dependable, and respectful
  - Good communication skills
  - Strong team player
  - Self-starter
  - Ability to prioritize, meet deadlines and work independently
  - Actively participates in program
- **Electrical Technology (EETY)**
  - Career-focused
  - Self-directed with time and priorities
  - Ability to lead team
  - Strong communication skills
  - High attention to detail
  - Broad level thinking
  - Professional decision making skills
  - Strong ability to prioritize, meet deadlines and work independently

**Employment expectations**
- **Electrical Technician (EETN)**
  - Entry-level practitioner
  - Work under direction of team lead
  - Self-direction with limited administrative reporting
  - Perform assigned tasks/daily duties
- **Electrical Technology (EETY)**
  - Potential for future managerial roles
  - Self-directed with administrative reporting
  - Develop and manage projects; troubleshoot problems

**Typical employers**
- **Electrical Technician (EETN)**
  - Electrical utilities, power generators, distribution companies and service companies.
  - Electrical industrial systems design, builders, installers and programmers.
  - Robotics and Automation companies.
  - Electrical equipment sales and service.
- **Electrical Technology (EETY)**
  - First and second year – identical to Technician program
  - Third year – advanced electrical management, laboratory and research skills
  - Application of knowledge and skills related to the control & protection of electrical systems, equipment and system design.

Students will take courses in applied technology, electrical principles, electrical power systems, and electrical industrial automation and college fundamentals. Co-op is a mandatory component of both programs.

For more information, please visit georgiancollege.ca/academics/full-time-programs/