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Electrical Engineering Technology (Co-op)

nc Career Services

Three year program curriculum focused on electrical power generation, transmission, distribution and PLCs, along with renewable energy, power electronics and microcontrollers

Student Competencies:

- Design and specify electrical equipment installations, including electrical machines, machine control, motor control centres, metering and grounding systems
- Apply Canadian Codes to the design of electrical systems
- Apply dedicated software in the design and modeling of power systems, protection and coordination
- Design and specify single-phase and three-phase transformer installations
- Commission, test and maintain electrical machines.
- Design, test, debug, commission and maintain programs for programmable logic controllers (PLCs)
- Analyse, specify, design and installations of renewable and sustainable energy resource systems

Co-op students have enhanced organizations in the following positions:

- Electrical power generation, power distribution, protection and control
- Utility planning, metering and energy conservation
- Electrical construction and maintenance
- Renewal energy systems (wind and solar)
- Power electronic systems (grid-tie and micro controllers)
- Industrial automation (PLCs and VFDs)
- Process control systems (motion and robotics)

Student Work Schedule

Year	Fall	Winter	Summer
1	college	college	
2	college	college	**work**
3	**work**	college	**work**
4	college		

Allow Niagara College to assist you with the recruitment of students that are eager to learn and contribute to the success of your business!

Niagara College Canada
APPLIED DREAMS.

For more information about hiring a student, please contact:

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Niagara College – Welland Campus
Phone: 905-735-2211 7777 **Email:** nccareerservices@niagaracollege.ca