



INDUSTRIAL ELECTRICAL TECHNOLOGY

Congratulations and Welcome to Industrial Electrical Technology Program

COVID-19 Information: First semester of your trades program will be a blended delivery approach. Practical components will be delivered face-to-face at the campus in your program's shops. Social distancing, frequent hand-washing, and other COVID-19 protocols are in place at all campuses. The theory portion of your program will be delivered via online/distance. You will require a computer and a good internet connection for the online/distance part of your program. For details on the minimal technical requirements for online/distance learning at Holland College, please visit

<https://www.hollandcollege.com/technical-requirements-for-blended-and-distance-learning.html>

Schedules are in the process of being finalized but as a general rule practical training will be full days on campus, theory will be full days off campus via remote delivery. We will share the schedule as soon as it is completed. To support any students travelling from outside the province who may need to self isolate, programs will accommodate you through distance delivery for the first two weeks of classes (September 1-14). Students that do not need to self isolate in the first two weeks are encouraged to attend practical training class days. If the current directive of self-isolation from the PEI Chief Public Health Office changes between now and September 1, students will be advised of changes by Holland College.

If you have any specific questions about COVID-19, please email our student Experience Team at: student-inquiries@hollandcollege.com

Instructor's Contact Information: Michael Nielsen
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Location: Waterfront Campus, 98 Water Street, Summerside
Room #202

Start Date and Time: September 1, 2020 – 9 am

Christmas Break: End of Semester 1 - December 11, 2020
Start of Semester 2 - January 6, 2021

February break: February 22-26, 2021

Easter break: April 2-5, 2021

End of Semester Two: April 23, 2021

Textbook (approximate) costs: Year 1 - \$500.00, Year 2 - \$500.00

Other required materials that may be purchased in advance:

- Calculator with scientific notation (recommended Casio FX-991MS)
- Three ring binders, paper, pencils, scribblers, highlighters, etc.

Tools and safety clothing (PPE): You may have existing tools or safety clothing that will meet the requirements of the program. It is recommended that you do not purchase additional tools or safety clothing until you have discussed program requirements with Instructors. Allow \$500.00 for tool purchase and \$400.00 for safety clothing (safety boots, safety glasses etc.)

Note: Safety boots must be C.S.A. approved (green triangle). A tool demonstration will be held in the first few weeks of class to give the student a better idea of recommended tools.

Program Highlights:

The Industrial Electrical program offers a wide range of learning opportunities including electrical theory, lab work, and hands-on experience and will teach you the skills you need to work in a variety of roles in the electrical industry. The program involves a split of time shared between the classroom and the lab/workshop spaces.

The construction workshop will teach you about residential and commercial wiring methods while the motors lab is where you will learn about motors and motor control wiring. Also included is advanced learning in the digital and electronics field with both theory and lab work. The course moves into automation and control wiring with programming of logic controllers and other devices. Mechatronics and process control will also be explored along with computer aided drafting (CAD), blueprint reading, math, physics, computer applications and communications.

Should you require any further information before attending your first day, please do not hesitate to contact us.

Industrial Electrical Technology/Electromechanical Technology 2020-21

Tool List



Note on tool purchases:

If you are unsure about tools, you can wait until you enter school. Tool demos will be done by instructors and suppliers.

Industrial Electrical and Electromechanical students entering the first year of studies do not require tools until after the Christmas break.

Manufacturers such as Klein, Ideal or Greenlee are quality built tools. Use these as your standard of acceptance.

Most of these tools can be easily searched on the internet.

Required Tools:

1. Electrician's Tool Pouch c/w belt. Optional suspenders may be added for back support.
2. Linesman pliers; 9" is the preferred length. 8" is optional.
3. Diagonal side cutters; 7" is the preferred length. (Red or blue handle)
4. Wire strippers. #10 to #18 AWG required. If you can get a set with 6/32 and 8/32 tap holes, that would be a nice feature.
5. Needle nose pliers; 7" is the preferred length.
6. #8 Long shaft (**red**) Robertson screwdriver.
7. #6 **green** Robertson screwdriver.
8. #6 Phillips screwdriver.
9. Small slot head (flathead) cabinet screwdriver.
10. Medium slot head (flathead) screwdriver.
11. Electrical knife (curve blade is preferred).
12. Measuring Tape c/w metric and imperial scales (8M/26' is preferred)
13. Hack Saw c/w blades (32 TPI)
14. Magnetic torpedo level
15. Hammer (16 ounce is good)
16. Work boots (CSA green triangle) and safety glasses are a program requirement



Optional:

17. Marrette/screw pouch, magnetic screw dish, hammer holder
18. Meter or test light. *Note: It may be best to wait with this purchase (budget \$150)*