



CREDENTIAL
Ontario College Diploma

PROGRAM CODE
Fall: 0316| Winter: 0328

AREA OF INTEREST
Engineering Technology

LOCATION
Thunder Bay

DURATION
2 -year

Overview

Our networked world is becoming more connected all the time. Not just the Internet – HVAC systems, manufacturing robots, industrial processes and a thousand other systems rely on electronic components to keep them operating and talking to each other.

But it still takes a person to install and maintain the hardware and software needed to keep it all running smoothly. Could that person be you?

Confederation College's Electronics Engineering Technician – Computers two-year diploma program will give you the foundation you need to find a job in this growing field. You'll learn about electronics and computer fundamentals, applied mathematics, telecommunications, networks, automation control systems and computer software.



Top Highlights

- Learn how to install, interconnect, configure, implement, and troubleshoot network systems
- Work with hardware wiring centres, routers, voice network hardware
- Two optional co-op work placements give you experience in the field
- Subsidized education program available



Employment Opportunities

Graduates of the program usually go on to positions in network installation or repair and maintenance of electronics equipment. There are a wide range of opportunities including computer networking, industrial systems, heating and cooling systems, telecommunications, security systems, financial services, education, health care, manufacturing and database/information systems.

Graduates of the program can also write for various certifications including Microsoft Certified Professional (MCP) certification, COMPTIA A+, and Net+.



Experiential Learning

Optional Co-op



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confederationcollege.ca/electronics-eng

This is **LEARNING**



Electronics Engineering Technician

Admission Requirements

- Ontario Secondary School Diploma (or equivalent) with courses from the College (C), University (U), University/College (U/C), or Open (O) preparation levels with Grade 12 English (C/U) Level.
- or successful completion of the Mature Student Assessment.
- or successful completion of the General Education Development Test (GED).
- or appropriate credits from the Academic and Career Entrance program (ACE).

Other Courses Required

- Grade 11 MCF3M Functions and Applications, or MCR3U Functions, or Grade 12 MAP4C Foundations for College Math or MCT4C Mathematics for College Technology or University Preparation.

Alternative Pathways

If you do not meet the entrance requirements, we encourage you to apply for the Pre-Technology program-Technology/Aviation to facilitate success in your technology path.

Articulation Agreements

Confederation College has agreements in place that permit credits earned throughout this program to be transferred to programs at other colleges and universities.

Visit: confederationcollege.ca/articulation-agreements for more information.

First Semester

CS 050 College Writing
EL 161 Electrical I
EL 165 Digital I
EL 166 Computer Systems
EL 167 Electronics I
GE General Elective
MA 133 Mathematics I
MC 165 Microsoft Office

Second Semester

CS 219 Communications for Technology
EL 261 Electrical II
EL 267 Electronics II
EL 268 Health and Safety Regulations
EL 269 Introduction to CAD
MA 231 Mathematics II
PH 210 Physics

Select one of the following:

LV 100 History of Indigenous Canadian Relations
SY 066 Sociology of Community:
The Indigenous Context

Third Semester

EL 305 Industrial Electronics I
EL 306 Telecommunications
EL 307 Industrial Data Networks
EL 362 Computer Software I
EL 365 Digital II
GE General Elective
MA 331 Mathematics III

Fourth Semester

EL 405 Industrial Electronics II
EL 406 Embedded Control Systems I
EL 407 Wide Area Networks
EL 431 Automation Control Systems I
EL 460 Computer Networks
EL 612 Quality Assurance
EN 015 Professional Practice



Have questions? Want to apply?
Contact recruitment@confederationcollege.ca

