COMPUTER SYSTEMS TECHNOLOGY (CETY)

Gear up with advanced skills to tackle any tech issue

Gain all the in-depth technical and customer service skills you need to manage and solve whatever IT challenge you confront. From cloud infrastructures to wireless access and network security, you'll train to configure desktop, server and network operating systems and study programming languages. Plus, you'll gain the communication and project management skills desired by employers.

Cambrian is an authorized Cisco Systems Networking Academy, Red Hat Academy, and Microsoft IT Academy. Our students regularly score medals at the annual Ontario Technological Skills Competition. Learn directly from industry experts with a seven-week placement in the sixth semester.

Program highlights

- Authorized Cisco Systems Networking Academy, Red Hat Academy, and Microsoft IT Academy
- 7-week placement in semester 6
- Learn network security from industry experts
- Join a winning team at the annual Ontario Technological Skills Competition
- Grads can challenge industry certifications that save you thousands of dollars and hundreds of hours

Program of study for 2024-25 Academic Year

Semester 1

		Credits
CET 1022	Introduction to Networking	4
CMP 1117	Introduction to Programming	4
CET 1109	Windows Client for IT Professionals	4
ENG 1002	College Communications	3
CMP 1051	IT Essentials	3
One General Education course. [1]		3
	Credits	21

Semester 2

CET 1023	Switching, Routing, and Wireless Essentials	4
CET 1019	Identity with Server Operating Systems	4
CET 1014	PowerShell	4
IOT 1105	Relational Databases	4
MTH 1235	Technical Math and Subnetting	3
CET 1025	Linux System Administration	4
	Credits	23

Semester 3

CET 1024	Enterprise Networks, Security, and Automation	4
CET 1018	Networking with Server Operating Systems	4
CET 1112	REST API integration with Python	3
CET 1034	Advanced Linux Administration	3
CET 1106	Private and Public Cloud Infrastructures	4
One General Education course. [1]		3
	Credits	21

Semester 4

CET 1000	Enterprise Security	4
ENG 1754	Technical Communication	3
CET 1017	Administrating Windows Server Hybrid Core Infrastructure	4
CET 2415	Applied Project Management	3
ISP 3026	Spreadsheets for Business	3
CET 1036	OpenStack Administration	3
One General Education course. [1]		3
	Credits	23

Semester 5

CET 1021	Designing Hybrid Cloud Solutions	3
CET 1216	Automating the Cloud Infrastructure	3
CET 2420	Multi-Platform Environments	4
CET 1217	Modern Wireless Communications	3
CRM 1007	Cybersecurity Operations	4
CET 1026	Enterprise Core	4
	Credits	21

Semester 6

CET 1107	Securing Server Operating Systems	3
CET 1027	Enterprise Advanced Routing and Services	4
CET 1218	Cyber Threat Tactics, Techniques and Procedures VS Enterprise Security	4
CET 1016	Firewall Design: Perspectives	4
CET 3601	Field Placement	6
	Credits	21
	Total Credits	**130**

[1] For more information regarding General Education courses, click here (https://cambriancollege.ca/general-electives/).

Admission requirements

For graduates of the new curriculum (OSS): Ontario Secondary School Diploma (30 credits) or equivalent or mature student status, including:

- Any grade 12 English (C) or (U)
- Any grade 12 mathematics (C) or (U) (MCT4C is highly recommended)

Additional admission requirements

Recommendations
Computer competency in relevant software

Program delivery

2024-2025
Fall term start

SEMESTER 1: Fall 2024
SEMESTER 2: Winter 2025
SEMESTER 3: Fall 2025
SEMESTER 4: Winter 2026
SEMESTER 5: Fall 2026

SEMESTER 6:   Winter 2027

Winter term start

SEMESTER 1: Winter 2025
SEMESTER 2: Spring 2025
SEMESTER 3: Fall 2025
SEMESTER 4: Winter 2026
SEMESTER 5:   Fall 2026
SEMESTER 6:   Winter 2027

Specific program pathways

College or university degree opportunities
If you are a graduate of this program, you may continue your studies at a college or university and you may receive credit(s) for your prior college education. Refer to Cambrian's college and university agreement (https://cambriancollege.ca/supports-services/articulation-agreements/) details for further information.

Employment opportunities

Graduates are prepared for employment opportunities in educational, governmental, medical, retail, industrial, or other work environments and may obtain positions as a(n):

- Network administrator
- Network designer
- Network installer
- System administrator
- Information systems product support technician
- Network security specialist

Contacts

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INTERNATIONAL ADMISSIONS

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