Computing Systems Engineering Technology (Co-op)

The Computing Systems Engineering Technology (Co-op) program combines study in programming, networking, and electronics to develop a body of knowledge that prepares the learner to work in a variety of settings. The courses in this program introduce the learner to the fundamentals of data center management, mobile device programming, database design and web programming. This combination of courses provides the basis for many different career paths including cloud computing, iPhone/iPad application development, enterprise web programming, IP networking, and embedded electronics.

Co-op Work Term 1 – Summer Semester – What Students Can Do for You

- Basic Electronic Troubleshooting
- Electronic Fabrication and Assembly
- Basic Router, Switch, and IPv4 Configuration
- Network Terminations
- Basic Programming using Java but can easily adapt to other languages

Learners will complete three of the four courses in the Cisco Networking Academy program, preparing them to achieve certification as a Cisco Certified Entry Networking Technician (CCENT). The fourth course can be completed through continuing education, preparing the learner to achieve the Cisco Certified Networking Associate (CCNA) designation.

In addition to comprehensive theory and hands on laboratory experience, learners in this program will complete two co-operative work terms. This combination of theory and practice provides learners with a solid foundation and market ready skills which allow them to quickly integrate into the work force.

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