



<http://coop.cs.umanitoba.ca>

An opportunity for a rewarding future:

- Demand for Computer Scientists is growing much faster than the number of graduates.
- The time to enter this field is now!

Make a profit from attending University:

- Co-op students graduate with a total of 12 months of paid work experience.
- Typical work term wages for co-op students are \$15-20/hr. Students must work a minimum of 16 weeks for each term.
- Total salary far exceeds the total cost of tuition and books.

Computer Science students and graduates do interesting work:

- Co-op students and graduates were listed in the credits of *Superman Returns* for special effects work done at Frantic Films.
- A team of U of M students won an international competition for a computer-controlled plane. The leader of this team was a co-op student.
- Several of our co-op students have travelled to the “World Cup” of soccer-playing robots (RoboCup).
- Co-op students have worked on MRI scanners, lotteries, financial planning systems, campground reservations, Transit’s NaviGo system, and many others.

Computer Science is not just programming:

- Teamwork, communication, and problem solving are major components.
- Courses include human-computer interaction, technical communication, artificial intelligence, software engineering, databases, computer graphics, professional practice, project management, machine learning, computer security, and more.

What do students need to enter Computer Science and subsequently Co-op?

- Successful completion of COMP 1010, COMP 1020, MATH 1300, and MATH 1500 in University 1. Students apply to Computer Science after completion of University 1.
 - Things to note:
 - Computer Science 40S (75%) will allow a student to skip COMP 1010 and register directly into COMP 1020.
 - High school Computer Science is not needed. Approximately 75% of students registered in COMP 1010 have no formal computer science education.
- Students apply to the Co-op Program at the end of year two with an anticipated first work term in January of the following year. From that point on, academic terms are alternated with work terms until the equivalent of three four-month work terms have been successfully completed.

Questions should be directed to:

Gerri Acorn, Co-op Coordinator, gacorn@cs.umanitoba.ca, 474-8695