What can I do with a Major in Computer Science?

Skills Developed

• Active Learner
• Analyze and Interpret Data
• Attention to Details
• Communication
• Confidence in Knowledge & Suggestions
• High Ethical Standards
• Interest in Designing and Operating Systems
• Interpersonal Skills
• Logical and Critical Thinking
• Organizational Ability
• Patience
• Prepare & Organize Records
• Reading Comprehension
• Research
• Teamwork
• Technical Proficiency
• Work Independently

Work Environments

The demand for graduates in the general field of computer science has seen almost unprecedented growth in recent years. Most graduates have careers programming in industry, where a constant shortage of computer scientists results in steady employment. Computer science graduates may work within computer system designing firms, software development or vendor companies, internet service providers, data processing and management firms, software or hardware manufacturing companies, financial institutions, insurance companies, consulting firms, computer companies, telecommunications companies, retailers, healthcare organizations, entertainment institutions, environmental management
firms, transportation companies, education/research institutions, or federal or provincial governmental organizations.

**Key Areas of Specialization:**
Programing (Business and Scientific Applications), System Development (Database, Client-Server or Expert), Network Technology (Installation, Maintenance and Administration), Internet (Software Design, Systems Analysis, Hardware Production, Webpage Design and Programming), Consulting (System Installation and Implementation), Education

**Entry Level Job Titles**

These jobs are normally intended for new graduates and require 0 to 2 years of experience. It is important to note that many entry level positions require *some* related experience or demonstrated ability to perform job-related tasks. Even those positions that do not require experience will still prefer an experienced candidate, if one is available.

- Computer Systems Analyst
- Computer/Science Associate
- Helpdesk Support
- Information Systems Analyst
- Information Systems Technician
- IT Consultant (Entry Level)
- IT Professional (Entry Level)
- IT Support Assistant
- Junior IT Support Supervisor
- Junior System Administrator (Entry Level)
- Net Programmer
- Network Operations Assistant
- Programmer
- QA Analyst
- Software Developer (Entry Level)
- Solutions Specialist
- System Integration (Entry Level)
- Web Developer

**Note:** The U of L offers various resources and programs to facilitate students in gaining work and volunteer experience. Find an entry level position on the CES job board or join the Management or Arts & Science Cooperative Education Programs. Summer jobs, part-time work, internship positions and volunteer experience help students to enhance their skillset and accumulate work experience for their future career.

**Related Job Titles**

These jobs generally require extensive, relevant work experience and/or further education.

- Aerial Photogrammetry Technician
- Aerial Survey Technician
- Animator
- Business Continuity Planner
- Career and Technology Studies Teacher
- Cartographer
- Cartographic Designer
- Chief Information Officer
- College/Vocational Instructor
- Computational Linguistics
- Computer-Aided Manufacturer
- Computer Game Programmer
- Computer Network Administrator
- Computer Programmer
- Computer Security Consultant
- Computer Security Specialist
- Computer Services Technician
- Computer Support Analyst
- Data Administrator/Developer
- Data Communication Analyst
- Data Miner
- Data Retrieval Specialist
- Database Analyst
- Database Designer
- Database Manager
- Digital Forensics
- Digital Graphic Artist
- Embedded Systems Designer
- End User Computing Practice Manager
Thinking Outside the Box: Other Possible Job Titles

On average, people change their careers three to five times in their lifetime. So, no matter what major you choose, you may still be interested in opportunities totally unrelated to your program of study. We encourage you to be open to all possibilities! Your undergraduate degree can be a springboard for other educational pursuits, and your transferable skills and experience can prepare you to work in a multitude of settings.

• Actuary
• Business Analyst
• Business Continuity Planner
• Communication Specialist
• Customer Support Analyst
• Distribution Manager
• Drafting Technician
• Educational Assistant
• Encryption Specialist
• Financial Planner
• High Tech Head Hunter
• Instructor
• Internal Auditor
• Inventory Manager
• Library Technician
• Logistic Manager
• Management Analyst
• Market Research Analyst
• Material Controller
• Material Manager
• Mathematician
• Medical System Designer
• Mortgage Researcher
• Operation Manager
• Plant Manager
• Product Evaluator
• Production Line Manager
• Production Scheduler/Planner
• Purchasing Agent/Manager
• Quality Control Specialist
• Records Management Analyst
• Reporter
• Risk Analyst
• Risk and Insurance Specialist
• School Business Official
• Security Specialist
• Software Talent Agent
• Technical Recruiter
• Technical Sales Representative
• Technology Consultant
• Telecommunications Manager
• Underwriter

Useful Resources

Recommended websites to assist in exploring the field of Computer Science and its career opportunities.

Information Technology Association of Canada
http://www.itac.ca

Canadian Information Processing Society
http://www.cips.ca
Canadian Advanced Technology Alliance  
http://www.cata.ca

Computer Science Canada  
http://compsci.ca/

International Association for Management of Technology  
http://www.iamot.org

Information and Communication Technology Council  
http://www.ictc-ctic.ca/

Independent Computer Consultants Association  
http://www.icca.org

Information System Security Association  
www.issa.org

Association of Information Technology Professionals  
http://www.aitp.org

Information System Audit and Control Association  
http://www.isaca.org/

Association for Information Systems  
http://www.aisnet.org

Campus Resources

Career & Employment Services (CES)  
http://www.uleth.ca/ross/ces/

Career Counselling (Counselling Services)  
http://www.uleth.ca/counselling/

Academic Advising  
http://www.uleth.ca/ross/academic-advising

Native Student Advising  
http://www.uleth.ca/ross/native-student-advising

Student Success Centre – Study Skills, Learning Strategies & Tutoring  
http://www.uleth.ca/student-success-centre/

Accommodated Learning Centre  
http://www.uleth.ca/ross/accommodated-learning-centre/

International Centre for Students  
http://www.uleth.ca/international/

Registrar Office & Student Services  
http://www.uleth.ca/ross/

Scholarship & Students Finance  
http://www.uleth.ca/ross/student-finance/

U of L Students’ Union & Student Clubs  
http://www.ulsu.ca/

Campus Job Resources

Career & Employment Services Job Board  
CES Job board

Arts & Science Applied Studies  
http://www.uleth.ca/artsci/applied-studies/students

Arts & Science Co-op Education & Internship  
http://www.uleth.ca/artsci/coop

Management Co-op Education  
http://www.uleth.ca/management/co-op

Study Abroad & Exchanges  
http://www.uleth.ca/international/content/study-abroad-exchanges

Management Study Abroad & Exchanges  
http://www.uleth.ca/management/study-abroad

Career & Employment Services (CES)  
CES assists U of L students and graduates with their career exploration and work search needs.

AH154 Anderson Hall, Phone: 403-329-2000  
Mon- Fri: 9:00 a.m. to 12:00 p.m.  
1:00 p.m. to 4:00 p.m.