This profile is a starting point for your career exploration. It may help you identify options and guide you in conducting further research, reviewing occupations or connecting with people. It is not intended to list every possible career path, or to limit you to what you see here. This is a tool to guide discovery and uncover opportunities that fit you.

Air Traffic Controller
Bio-informatician
Biomedical Software Developer
Computer Game Designer
Communication Software Specialist
Data Processing Manager
Database Administrator/Analyst
Developer
Digital Designer
Equipment Analyst
Electronic Commerce Specialist
Games Developer
Multimedia Applications Specialist
Network Architect
Network Security Analyst
Programmer
Quality Assurance
Software Analyst
Software Engineer
Software Support /R & D Specialist
Systems Analyst
Systems Architect
Tech Support
Technical Writer
Telecommunications Specialist
Video Game Tester
Web Designer
Webmaster

Some of these roles may require further training, certification or education. Check out the Alberta Government’s occupational profiles for salary info and more detail: [alis.alberta.ca/occinfo](alis.alberta.ca/occinfo)

Formal Career Assessments like the Strong Interest Inventory and the Myers Briggs Type Indicator can be helpful tools for your career development. Request an assessment via [CareerLink](https://www.careerlink.ca).

Key Skills & Knowledge

Problem-solving - Defining and solving problems; Approaching topics and problems from various perspectives; Analyzing multiple dimensions of a problem; Decision making skills; Advanced quantitative abilities; Trouble shooting

Research - Collection, analysis and interpretation of data; Organizing vast amounts of data and research results; Creative and logical thinking

Verbal and written communication - Ability to summarize, condense and organize ideas and information; Ability to articulate, explain, and teach technical information to others; Ability to question and probe to solve computer problems; Communicating process details

Organizational - Organization and classification of data; Multi-tasking; Time management; Attention to detail and ability to meet deadlines

Interpersonal - Work independently and as a part of a team classifying/systemizing efficiency

Technical - Aptitude for computer languages and programming; Database management; Design and develop computer systems; Computer programming; Install software and hardware; Mathematical skills

Need help deciding what to do?
Associations & Professional Development

Associations provide an opportunity for continued professional development. Many also offer networking opportunities and other events for their members.

- Association of Computing Machinery: www.acm.org
- Association of Science and Engineering Technology Professionals of Alberta (ASET): www.aset.ab.ca
- Canada’s Association of Information Technology Professionals: www.cips.ca
- Canadian Association of Science Centers: www.canadiansciencecentres.ca
- Information Technology Association of Canada: www.itac.ca
- Society for Canadian Women in Science & Technology: www.scwist.ca
- Tech America: www.techamerica.org
- U of C Computer Science Alumni Chapter: alumni.cpsc.ucalgary.ca/

Potential Industries

Advertising
Applications Development
Artificial Intelligence
Bioinformatics
Communications
Computer & Programming
Services
Computer Consulting
Education
Gaming and Graphic Design
Government
Information Security
Information Technologies
Manufacturing
Oil & Gas
Project Management
Public Administration
Research & Development
Robotics
Software Engineering
Telecommunication

Career Services

Your Future Starts Here

- Career Planning
- Job Search Support
- Resume Reviews
- Career Workshops
- Online Job Postings
- Career Fairs
- Networking Events
- Information Sessions & much more!

Connect with us:
MacEwan Student Centre, Room 188
T: 403.220.8020
E: csstdnt@ucalgary.ca
CareerLink: ucalgary.ca/careers
Facebook: ucalgarycareers
Twitter: @HireUCalgary

Job Boards

Indeed: https://ca.indeed.com/
Canada IT: www.canadait.com/
It-Careers: www.it-careers.ca/
IT Jobs www.itjobs.ca/en/
LinkedIn: www.linkedin.com/CareerLink: careerlink.ucalgary.ca

Additional Resources

Careers for Computer Buffs & Other Technological Types (3rd ed.) by Eberts, Marjorie & Gisler, M.
Careers for Cybersurfers & Other Online Types by Marjorie Eberts, Margaret Gisler
Careers for Scientific Types & Others with Inquiring Minds by Jan Goldberg
Great Jobs for Computer Science Majors by Jan Goldberg
How to Start a Career in Information Technology by Ian Fisher

Faculty Contact
ICT 602
T: 403.220.6015
E: cpsc@cpsc.ucalgary.ca
W: ucalgary.ca/cpsc
W: ucalgary.ca/admissions/programs

Student Clubs
Business Technology Club
businesstechnologyclub.com/
Competitive Programming Club
psc.cpsc.ucalgary.ca/
Aligned Majors:
Business, Mathematics, Software Engineering