Sample Occupations and Jobs

Below is a sample of the many types of occupations and jobs pursued by graduates of this program.

**Sample Occupations**

Note: This is not an exhaustive list. Detailed career profiles are available in the Career Centre. Some occupations require further education and experience.

- Computer Engineer*
- Computer Network Specialist*
- Computer Programmer*
- Computer Support*
- Computer Trainer*
- Database Developer*
- Desktop Publisher*
- Graphic Designer*
- Inventor*
- Medical Imaging Tech*
- Scientist*
- Video Game Developer*
- Web Developer*
- Webmaster*
- Website Designer*
- Multimedia Developer*
- Illustrator*
- Business Systems Analyst*
- Technical Sales Representat.*
- Corporate Trainer*
- Electronics Engineering Tech.*
- Management Consultant*
- Statistician*
- Operations Research Analyst*
- Logistics Specialist*
- Research Analyst (Financial)*
- GIS Specialist*
- Lawyer*
- IT Project Manager*
- Technical Writer*
- Software Analyst
- Systems Architect / Analyst
- Information Specialist
- Computer Systems Specialist
- Communication Analyst
- Intelligence Officer
- Strategic Planner
- Telecommunications Specialist
- E-Commerce Specialist
- Network Architect
- High School Teacher*
- Professor*
- Industrial Engineering Tech.*

**Sample Job Listings**

Below is a sample of positions that have been promoted within the Career Centre. To access current postings, login to CLN at www.cln.utoronto.ca and click on Jobs.

- Software Engineer, Yelp
- Cloud/Application Software Engineer, Teradata
- Data Analyst, Air Canada
- Microsoft Technical Sales, Microsoft
- Project Manager, Evertz Microsystems Ltd.
- Bioinformatician, Ontario Institute for Cancer Research
- Technical Writer, Altera
- Help Desk Consultant, Computing Services, UTM
- Security Analyst, Department of Mathematical and Computational Sciences, UTM
- Database Consultant, Department of Sociology, UTM
- Technical Assistant, Ministry of Community Safety and Correctional Services
- Web Developer, Undergraduate Commerce Society, UTM
- Application Tester, Ministry of Community and Social Services
- Mathematician, Cryptanalyst and Data Scientist, Govt. of Canada
- Full Stack Developer, Hatch Canada

**Sample Areas of Employment**

- Computer/software/telecommunication companies
- Government
- Software/hardware manufacturers
- Organizations such as banks, insurance companies, retail chains
- Consulting firms
- Graphic design firms
- Engineering firms
- Test Development companies
- Self-employed
- Contract and temporary employers
- Health/medical/hospitals
- Universities, colleges, and school boards

* View these titles at Career Cruising, available on CLN (cln.utoronto.ca) under the Resources tab.
Program-Related Skills

Academic courses in this program provide opportunities to develop the following types of skills. Make a career counselling or an employment strategy appointment to discuss how you can demonstrate these skills to employers.

- **Research**: analyze and evaluate information; develop innovative systems; and develop ideas for presentation at a conference or in a journal.
- **Technical**: write, debug, and test programs; research, design and develop computer systems; and develop programs (e.g., simulations, systems analysis).
- **Problem-solving**: conceptualize models; formulate, model, and solve problems from diverse areas; and collect, organize, analyze, and interpret results.
- **Communication**: articulate, explain, and teach technical information to others, as well as question and probe to solve computer problems.
- **Organizational**: manage time effectively and organize and maintain data that is stored.

Explore Careers & Build Networks

**Career Exploration 101**

Take our 15 minute online module available at utm.utoronto.ca/careers/career-planning/career-exploration and attend the Career Exploration Part 2 in-person workshop read about how you can gain access to UTM’s career exploration programs:

- Extern Job Shadowing
- In The Field

**Informational Interviews**

Informational interviews are a great way to connect with professionals in a career area of interest and gain valuable insights about a career, company, or industry that would otherwise be difficult to find in books or online. Check out our tip sheet to learn more.

**Alumni Profiles**

Check out our Alumni Profiles page with submissions from UTM grads to find out how their experiences have affected their career direction.

**Events**

Attending networking events, employer info sessions, and career fairs is a great way to meet professionals and learn more about careers, companies, and industries. Login to CLN and click on Events & Workshops to see what’s coming up.

**Talk to Professors**

Connecting with your professors can be a great way to explore the different paths a major can lead you to, as well as learn about possible opportunities for research, volunteering, or becoming a TA. Drop by during their office hours or request an appointment.

**Student Organizations**

Join a student club or an academic society at UTM to meet like-minded people, explore your interests, and gain valuable skills. To view a list of current clubs and societies, visit the Centre for Student Engagement online. Some organizations you may consider are:

- Mathematical and Computational Sciences Society
- Women in Tech
- Chinese Computer Science Club

**LinkedIn**

Create a LinkedIn profile to connect with professionals in various fields, explore the career paths of UTM alumni, research employers, apply for specific positions, and more. Need help? Come to the Career Centre to book a LinkedIn profile critique.

**Professional Associations**

There are many benefits of becoming a member of association(s), such as developing a network of contacts, learning about industry trends, accessing industry-related job postings, and stating your affiliation on your resume. Some associations related to this major are:

- Canadian Association of Computer Science (CACS/AIC)
- Canada’s Association of Information Technology (CIPS)
- Information Technology Association of Canada (ITAC)
Get Experience

Get some experience and exposure to the industry while being a student. This will increase your chances of finding a job after graduation, while helping you decide what area might be most suitable for you.

Crack the Hidden Job Market

Networking is an essential element of job search today, as most jobs are not advertised. While you should still apply for positions you find online, building relationships with professionals is a proven way to access the "hidden job market" with some of the most desirable opportunities.

Attend the "Learn to Network" workshop to discover proven techniques to effectively introduce yourself and make contacts.

On-Campus

On-Campus Opportunities Booklet

Check out the On-Campus Opportunities booklet on www.utm.utoronto.ca/careers/on-campus-opportunities to view a list of some of the ways you can get valuable experience on campus.

Work Study Positions

The work study program provides eligible students with an opportunity to work on campus during the academic year and gain experience. Many departments use this program to hire UTM students during the Fall/Winter and Summer terms.

Research Opportunity Program (ROP)

UTM’s Research Opportunity Program (ROP) allows undergraduate students to gain valuable research experience and earn a course credit by participating in a faculty member’s research project. Courses are held during Summer and Fall/Winter terms.

Part Time and Volunteer Positions

- Attend the annual Get Experience Fair
- Check out our binder with detailed information on volunteer opportunities; available in the Career Centre
- Learn about the Co-Curricular Record (CCR), which can help you find opportunities beyond the classroom and have your skills and experiences captured on an official document; go to www.ccr.utoronto.ca to find out how you can get involved

Student Organizations

Join a student club or an academic society at UTM to meet like-minded people, explore your interests, and gain valuable skills. To view a list of current clubs and societies, visit the Centre for Student Engagement at www.utm.utoronto.ca/student-life/student-organizations.

Off-Campus

Internships, Summer, Part Time and Volunteer Positions

- Check out our binders with detailed information on internships and volunteer opportunities; available in the Career Centre
- Login to Career Learning Network (CLN) and click on Jobs to access current postings advertised to UofT students
- Attend the annual Get Hired: Summer and Full-Time Jobs Fair
- Consider taking an academic internship course through your department
- Apply for U of T’s Professional Experience Year (PEY) internship program, which provides undergraduate students with 12- to 16-month paid work placements
- Check out Government of Ontario - Job Programs for Youth Summer Employment Programs’ web page
- Review our Internships, Summer Employment Programs, and Summer Job Search tip sheets at utm.utoronto.ca/careers/tip-sheets

Full Time Positions

- Login to CLN and click on Jobs to access current postings advertised to graduating students and recent UofT grads. Note: You must attend the "Now That I'm Graduating, What's Next?" workshop to gain access to these postings.
- Attend the annual Get Hired: Summer and Full-Time Jobs Fair
- Check out our list of industry-specific job boards on www.utm.utoronto.ca/careers/jobs/jobs-resources-links

Prepared by UTM Career Centre. To view the online version with links, go to www.utm.utoronto.ca/careers/careers-by-major.
Useful Resources & Next Steps

Appointments

- Attend a one-on-one appointment with a career counsellor or an employment strategist to discuss what career options might work for you and determine a job search plan. Contact the Career Centre for more information.
- Meet with an academic or departmental advisor, who can guide you in achieving academic success. Contact the Office of the Registrar or your department for more information.

Additional Web Resources

- TalentEgg - Technology Career Guide
- Jobpostings.ca - Career Guide in Computers and Technology
- WetFeet - Careers and Industries Overview
- IT World Canada
- UTM Career Centre’s infographic on Computer Science
- Canada’s Top 100 Employers for Young People

Career Resource Library

The Career Resource Library contains information about a wide range of occupations in all industries, resume and cover letter resources, effective work search methods, graduate/professional school preparation guides, and more. Located in DV 3094.

Career Planning by Year

Look for our Career Planning by Year web page on www.utoronto.ca/careers/career-planning for ideas of important career related activities for each year.

Questions?

Visit the UTM Career Centre located in DV 3094, call 905-828-5451, or visit www.utm.utoronto.ca/careers.