TECHNOLOGY, CODING & SOCIETY (HBA)

Institute of Communication, Culture, Information and Technology

Technology, Coding & Society (TCS) graduates will meet the needs of the rapidly changing society and workforce that are brought on by the emergence of new interactive technologies and by the societal and economic consequences of using these technologies. Students learn essential computer coding skills to design digital platforms and services, analyze the data they produce and theorize their use from humanistic and social science perspectives. Students build technologies while understanding the ethics and consequences for people and society.

One of the few programs in Canada to merge Social Informatics, Computational Social Science and Digital Humanities, TCS graduates will unlock the potential of digital technologies through an appreciation of the points of intersection between technology and the complex human systems that drive it.

ICCIT students also have the opportunity to concurrently complete a Professional Experience Certificate in Digital Media, Communication, and Technology that includes paid work placements where students will integrate in-class education and related work experience.

MAKE THE MOST OF YOUR TIME AT UTM!

We want to help you maximize your university experience, so we've pulled together information and interesting suggestions to get you started, although there are many more! As you review the chart on the inside pages, note that many of the suggestions need not be restricted to the year they are mentioned. In fact, activities such as joining an academic society, engaging with faculty and seeking opportunities to gain experience should occur in each year of your study at UTM. Read through the chart and create your own plan using **My Program Plan** found at **www.utm.utoronto.ca/program-plans**

Program of Study (POSt)

- Major Program ERMAJ1040 Technology, Coding & Society (Arts)

Check out...

What are the key methodologies for practicing user experience design? Find out in CCT477H5! You'll be equipped for your career by finding out about the connections between human factors, user needs, and interactive technologies.

How can information systems be designed to respect our rights, and avoid further perpetuating human biases? CCT432H5 will address important questions surrounding ethics and coded systems.

Learn about the core principles of UX analysis and design, as well as software skills related to prototyping and UI design. Incorporated into this all is a deep investigation of how to consider the human user, communities they live in, and values they hold.

What can I do with my degree?

The career you choose will depend on your experience and interests. Visit the Career Centre to explore your career options.

Careers for graduates: UI/UX Designer, UX Researcher, Usability Analyst, Content Strategist, Data Analyst.

Workplaces: E-Commerce; Consulting/Professional services; Advertising; Digital marketing; Financial services; Banks; Customer service, Game Development.

UNIVERSITY OF TORONTO MISSISSAUGA

TCS
MAJOR Program Plan

HOW TO USE THIS PROGRAM PLAN

Read through each year. Investigate what appeals to you here and in any other Program Plans that apply to you.

Visit **www.utm.utoronto.ca/program-plans** to create your own plan using **My Program Plan**. Update your plan yearly.

UNIVERSITY OF TORONTO MISSISSAUGA

	1ST YEAR	2ND YEAR	3RD YEAR	4TH OR FINAL YEAR
PLAN YOUR ACADEMICS*	Enrol in CCT109H5, 110H5 and 111H5. Choose a program of study (Subject POSt) once you complete 4.0 credits. Use the **Degree Explorer** and the **Academic Calendar** to plan your degree. Develop foundational academic skills and strategies by enrolling in a **utmONE** course. Build community and gain academic support through **LAUNCH**. Join a RGASC **Peer Facilitated Study Group**.	Enrol in CCT205H5, 208H5, 211H5, 212H5, 285H5 and 0.5 credit from CCT202H5/ 221H5/ 226H5/ 286H5. Throughout your undergraduate degree: • use the **Degree Explorer** to ensure you complete your degree and program requirements • see the **Office of the Registrar** and the **ICCIT Undergraduate Program Coordinator**.	For third and higher years, enrol in courses CCT320H5, 380H5, 432H5 and 477H5. Attain 1.5 credit from CCT308H5/ 382H5/ 383H5/ 410H5/ 416H5/ 478H5. Consider applying for **Research Opportunity Program (ROP)** courses CCT399Y and CCT499Y. Visit the EEU website for **ROP Course Prerequisites**. Attend the RGASC's **Program for Accessing Research Training (PART)** to enhance your research skills.	Consider CCT416 Social Data Analytics and learn more about how to scrape social data, store and collect it, run basic statistical analysis, generate visuals, and create a report based on a project of interest. Review Degree Explorer to ensure program requirements are met. Log on to ACORN and request graduation.
BUILD SKILLS	Use the **Co-Curricular Record (CCR)**. Search for opportunities beyond the classroom, and keep track of your accomplishments. Attend the **Get Hired Fair** through the Career Centre (CC) to learn about on- and off-campus opportunities. Attend the **Experiential Education Fair**.	Use the **Career & Co-Curricular Learning Network (CLNx)** to find postings for on- and off-campus work as well as the **Work-Study program**. Enhance your professional communication skills with the **Professional Experience Certificate in Digital Media, Communication and Technology**. Enrol in CCT273H5, a required course for the certificate.	Want to develop digital media resources? Check out the **IEC Marketing & Communications** position. Attend an ICCIT Internship Information Session and learn more about internships. Check your email for details.	Gain practical work-based experience through the internship courses CCT410H5 and CCT411H5. You will apply your TCS skills and knowledge you have gained in class through a part-time unpaid or paid work commitment and earn a course credit. Speak to the **ICCIT Internship Coordinator.**
BUILD A NETWORK	Networking simply means talking to people and developing relationships with them. Start by joining the **ICCIT Council** and attend the annual **Meet the Profs** event. Follow the department @iccitutm. Visit the UTM Library **Reference Desk**.	Do you have a professor you want to connect with? Ask them a question during office hours. Discuss an assignment. Go over lecture material. Don't be shy! Learn **Tips On How to Approach a Professor** available through the Experiential Education Unit (EEU). Join the **ICCIT Student Mentorship Program** to connect with upper-year ICCIT peers and for opportunities to build your professional networks.	Establish a professional presence on social media (e.g., LinkedIn). Do you have innovative business ideas? Visit **ICUBE** in the lower level of the Innovation Complex to receive expert advice. Attend a Game Studies lecture on game design featuring guest speakers from across the video game industry hosted by ICCIT and the Dept. of English & Drama.	Join a professional association. Check out the **Society of Graphic Designers of Canada.** Go to a conference such as UTM's **Young Entrepreneurs Conference** and the **Technology & Creativity Conference**. Participate in a game or design jam.
BUILD A GLOBAL MINDSET	Engage with the many programs offered by the **International Education Centre (IEC)**, whether you are an international or domestic student. Consider joining the **Canada Eh?** day trips or **English Language Conversation Circles** to deepen your global mindset. First-year international students can also take advantage of **THRIVE'IN**, a one-day conference dedicated to helping you start your UTM journey successfully.	Participate in **International Education Week** and engage in programs like **Global and Intercultural Fluency Training Series (GIFTS)** to build on your leadership and communication skills in global citizenship. Learn about and prepare for a future **UTM Abroad Experience** through the IEC to strengthen and enhance your intercultural skill set, and learn about other cultures while sharing your own!	Expanding your intercultural awareness and developing intercultural skills will help you in your academics, personal growth and are highly sought out by employers. **Earn credits overseas!** Apply to study for a summer term, or year at one of 170+ universities. Speak to the IEC for details about **Course Based Exchange**, funding and travel safety. Attend Global Learning Week to learn about the various opportunities available to you!	Engage in programs like **ISTEP** and **THRIVE** to support your transition out of the University!
PLAN FOR YOUR FUTURE	Attend the **Program Selection & Career Options** workshop offered by the Office of the Registrar and the CC. Check out **Careers by Major** at the CC to see potential career options.	Explore careers through the CC's **Job Shadow Program**. Considering **further education**? Attend the CC's **Graduate & Professional Schools Fair**. Talk to professors – they are potential mentors and references.	What's your next step after undergrad? Entering the workforce? Evaluate your career options through a CC **Career Counselling appointment**. Create a job search strategy — book a CC **Employment Strategies appointment**. Considering further education? Research application requirements, prepare for admission tests (LSAT, GMAT) and research funding options (OGS, SSHRC).	Market your skills to employers. Get your **resume critiqued** at the CC. Attend the CC workshop **Now That I'm Graduating What's Next?** Write a strong application for further education. Attend the CC's **Mastering the Personal Statement workshop**. Ready to transition from the classroom to the workplace? Check out the **Recent Graduate Opportunities Program.**

*Consult the Academic Calendar for greater detail on course requirements, program notes and degree requirements.

Revised on: 12/01/2023

Visit **www.utm.utoronto.ca/program-plans** for the online version and links.

TCS

Skills developed in TCS

To be competitive in the job market, it is essential that you can explain your skills to an employer. Visit the Career Centre to learn how to articulate and market the following skills:

Communication & interpersonal: editing skills; inter-cultural communication skills; create entertaining and persuasive messages; and demonstrate creativity and artistic expression.

Research: gather information and data; evaluate ideas and research; and conduct research.

Problem-solving & critical thinking: critical analysis of media; evaluate information and sources; and application of theoretical knowledge in practical settings.

Technical: create multimedia documents; compare works of Media Art; create powerful images with sight, sound, motion & words; graphic prototyping; production skills for photography; and design websites and other media forms.

Get involved

Check out the 100+ student organizations on campus. Here are a few:

- ICCIT Council
- DEM Association
- Erindale Gaming Organization
- UTMHacks
- Women in Science and Computing

For a full listing of clubs on campus visit the **Student Groups and Societies Directory**

Services that support you

- **Accessibility Services (AS)**
- **Career Centre (CC)**
- **Centre for Student Engagement (CSE)**
- **Equity, Diversity & Inclusion Office (EDIO)**
- **Experiential Education Unit (EEU)**
- **Health & Counselling Centre (HCC)**
- **Indigenous Centre (IC)**
- **International Education Centre (IEC)**
- **Office of the Registrar (OR)**
- **Recreation, Athletics and Wellness Centre (RAWC)**
- **Robert Gillespie Academic Skills Centre (RGASC)**
- **UTM Library, Hazel McCallion Academic Learning Centre (HMALC)**

Institute of Communication, Culture, Information and Technology

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FUTURE STUDENTS

Admission to UTM

All program areas require an Ontario Secondary School Diploma, or equivalent, with six Grade 12 U/M courses, or equivalent, including English. The admission average is calculated with English plus the next best five courses. The approximate average required for admission is mid- to high-70s. More information is available at **utm.utoronto.ca/viewbook**.

NOTE: During the application process, applicants will select the Technology, Coding & Society category but will not officially be admitted to a formal program of study (Specialist, Major, and/or Minor) until after first year.

Sneak Peek

In CCT111H5 Critical Coding, understand the foundations needed for the practical coding of front-end applications such as mobile interfaces or of back-end software such as introductory artificial intelligence or social media analysis. Apply these theoretical skills to solving problems in the interaction between people, culture, and society, by developing software or apps in languages such as Java, Objective C, Swift, Python.

What is Human-Computer Interaction in the context of intelligent interface designs, user modeling and the accessibility of the technology for the disabled? Examine this and more in CCT380H5. Get introduced to the methods of User Experience Assessment and User Experience Analysis (UXA) in CCT478H5 where you will examine how interactive systems are implemented and deployed to meet users' needs.

Student Recruitment & Admissions

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