

University of Toronto (UTM) Pre-University Experience Week at DSC

AUGUST 3 - 7, 2026



GENERAL INFORMATION



University of Toronto (UTM) Pre-University Experience Week at DSC

Are you a secondary student wondering what skills you need to be successful in university? Participants will benefit from a series of experiences delivered and facilitated by University of Toronto Mississauga professors and instructors.

Students can choose from the following programs:

- Explorations in Emerging Technologies (GenAI-VR-AR-360-3D-Robotics)
- Introduction to Business and Entrepreneurship
- Introduction to Health and Medical Science

Course Information

- **Course Times:** 9:00 - 14:00 (lunch break 12:00 - 13:00)
- **Dates:** August 3 - 7, 2026
- **Location:** DSC International School, 5 - 7 Tai Fung Avenue, Taikoo Shing, Hong Kong
- **Course Fee:** \$6500
- **Eligibility:** DSC and NON- DSC students ages 15 - 18
- **All new and NON DSC Students must fill out the [DSC Medical Questionnaire](#)**
- **Registration:** Please enroll and pay via the [University of Toronto \(UTM\) Pre-University Experience Week at DSC](#)
- Students are required to bring a laptop each day

Course Benefits

- Map your pathways to post-secondary education
- Meet like-minded friends and peers
- Work with world class professors and instructors
- Learn to build your resume and academic portfolio
- Develop your leadership and community engagement skills
- Advance your academic competencies for post-secondary education
- Experience University level instruction
- Take part in Pre-University Coaching

Pre-University Coaching Program

In addition to your subject area program, students will engage in a mentoring session with University of Toronto Mississauga Instructors and professors.

The coaching program will include:

- Activities to help you explore your interests
- Public speaking exercises to prepare you for university life
- Leadership skill development
- Advice on the university application process
- Interpersonal relationships and networking strategies
- Communication strategies and conflict resolution

Terms & Conditions

- Programs require a minimum enrollment; all fees will be refunded if a program does not meet the minimum requirement
- Course fees are non-refundable and non-transferable with the exception of course cancellation due to insufficient enrollment
- Students may be removed from summer school due to behaviour deemed inappropriate
- For more information, please email the DSC Secondary Office, s.office@dsc.edu.hk
- DSC adheres to the Hong Kong Government Education Bureau guidelines on school closures; courses will move online in the event of a school closure
- In the event of an emergency, your child will be transported to the nearest hospital, Pamela Youde Nethersole Eastern Hospital; parents will be notified via phone

Introduction to Business and Entrepreneurship

This Experience is designed for problem-solving students who aspire to be difference makers through the study of entrepreneurship and business. This pre-university program introduces students to design thinking, innovation, and real-world applications, where they develop analytical and problem-solving skills by creating and innovating a product or service. Students design prototypes and learn to creatively pitch their ideas to potential users and investors. Through a hands-on approach, students enhance their interviewing, brainstorming, writing, and presentation skills, preparing them to excel in university academic and professional endeavors.

Topics Include:

- Innovation and entrepreneurship
- Design thinking process
- Iterative Design
- Business Strategy
- Successful pitches

What You Can Expect:

- Engaging and interactive lessons on a product or service design
- Explore the disciplines of entrepreneurship, commerce and finance
- Investigate start-up culture and product development practices
- Communicate ideas through effective presentations and public speaking approaches

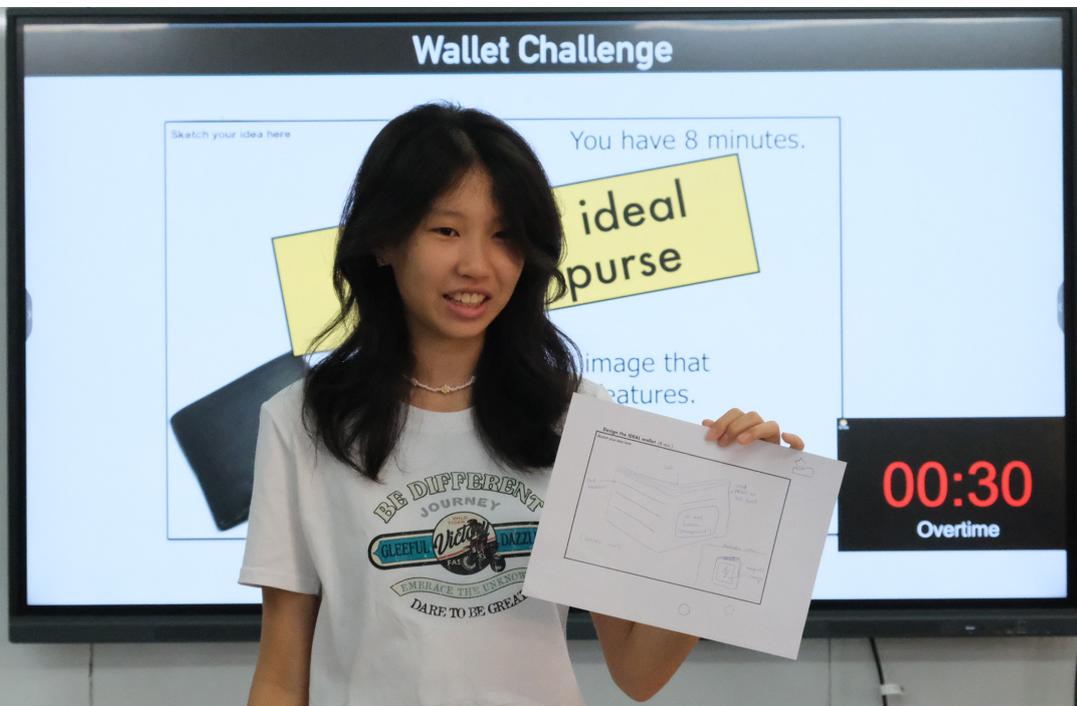
This course is for students:

- Considering a degree in business, commerce, marketing, communication, consulting and design
- Who want to start their own business
- Who see themselves as inventors and innovators who seek to improve products and services



Dr. Ilan Danjoux

Dr. Danjoux is a successful author, researcher and award-winning instructor at the University of Toronto Mississauga. His work in design thinking as a pedagogical tool draws upon his extensive experience as a consultant and author of critical thinking and educational innovation. In addition to his role as a lecturer, he is an advisor to an AI Education start-up. Ilan holds a doctorate from the University of Manchester, focused on policy and discourse analysis.



Introduction to Health and Medical Science

This Experience provides students with a comprehensive introduction to the academic field of medicine, focusing on foundational pre-university learning and knowledge building in the health sciences. Enrolled students will participate in labs, case studies, and healthcare simulations, complemented by interactive university-style lectures. The course aims to familiarize students with cutting-edge research and explore various professional pathways and academic opportunities within the field of human health, as well as the fundamental building blocks of life. Students will learn about innovative research projects currently underway at the University of Toronto.

Topics Include:

- Foundations of human body
- Macromolecules and Metabolism
- Human Kinetics and Physiology
- Neuroplasticity

What You Can Expect:

- Conduct several experiments
- Participate in research design specific to the health sciences
- Engage with health science-based activities and case studies
- Attend interactive lectures and presentations
- Collaborate in small lab teams on activities designed to enhance critical thinking and problem-solving capacities

This course is for students:

- Interested in biology, health sciences and medicine
- Who enjoy hands on activities in the lab
- Who envision a career as a physician, nurse, public health worker, health and wellbeing consultant



Martin Carangal, MT, OCT

Martin Carangal is a health sciences specialist with expertise in Biochemistry and Neuroscience at the University of Toronto Mississauga. He has a decade of experience teaching in various contexts. He has worked as a Biology Teaching Assistant, Biology Lab Technician and Senior Program Assistant at the University of Toronto. Martin brings experience leading, developing programs, and teaching second language in several U of T international programs.



Explorations in Emerging Technologies (GenAI-VR-AR-360-3D-Robotics)

Imagine yourself as a design specialist in the field of technology. This course places students in the role of a co-designer as they work in teams to brainstorm innovative ways to develop and use technology to improve life. Guided by an expert University of Toronto instructor, you will explore a range of cutting-edge digital technologies (including XR, AR, 360°, 3D, and AI) and learn how to effectively utilize them. As a design innovator, you will tackle real-world problems, collaborating to ideate, test, and refine solutions. The course involves experimenting with immersive platforms, multimedia tools, and digital services, while developing essential 21st century competencies in communication, collaboration, critical thinking, and creativity.

Topics Include:

- Digital Trends and the Innovation Challenge
- Experimenting with 2D, 3D, and 360° Media
- Utilizing Generative AI Technologies
- Exploring XR Technologies & Virtual Worlds
- Designing for the Future

What You Can Expect:

- Digital project management platforms to work collaboratively
- Research tools to identify digital trends and student needs
- XR-VR-AR-360 devices to enhance your multimedia projects
- GenAI in your workflow to create text, images, and videos
- Web design software to showcase your team's ideas and skills
- A digital resource package that will guide you with tips, tricks, advice, and resources

This course is for students:

- Interested in careers in project management, digital design, computer science, gaming, teaching and education
- Who are curious about using new technologies and creating multimedia
- Who enjoy collaborating with others and solving problems



Dr. Paul Alexander

Dr. Paul C. Alexander is an experienced academic, teacher practitioner and consultant currently teaching education and technology courses across University of Toronto undergraduate and graduate programs. Paul has spent several years specializing in digital media, instructional and educational technology. His current research centers around the use and affordances of immersive technologies (ex. VR-AR-360-3D-AI) in learning contexts.



Pre-University Coaching Program

Applying to college or university can be incredibly stressful for secondary students, as they may feel unsure about their goals and what they want to study. To help alleviate this stress and uncertainty, students will attend a mentoring session. During the session, instructors will guide students in identifying their educational aspirations and help them make informed decisions about their academic pathways. This personalized approach will empower students to navigate the application process with confidence.

The session will touch upon:

- Activities that involve sample resumes and application material
- Leadership development experiences
- Practice opportunity on writing university applications
- Identifying talents and strengths and aligning them with disciplinary interests

Are you Future Ready? How to Prepare for the Future!

On the last day of the program, students will take part in a Panel Discussion dedicated to the theme of future readiness. This session will focus on the challenges of university life and the value of transferable skills that can be applied across a wide range of careers. The University of Toronto Mississauga's instructional team will be on hand to share experiences and insights. They will offer practical guidance on personal growth, and key aptitudes needed to thrive in an evolving world.



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CCELEBRATE!