UNIVERSITY OF TORONTO MISSISSAUGA

BE RECOGNIZED

REFERENCE GUIDE TO ACADEMIC PROGRAMS

2012-13

UNIVERSITY OF TORONTO MISSISSAUGA

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This *Reference Guide to Academic Programs* is designed to help you learn more about our programs — and, specifically, about the program(s) you have applied to.

If you need more information, please visit the individual department websites or call the U of T Mississauga Admissions and Recruitment Office at 905-828-5400.

Information contained in this document was correct and accurate at the time of publication. U of T Mississauga reserves the right to revise programs and admission requirements.

ANTHROPOLOGY

OUAC CODES: LIFE SCIENCE (TML) • SOCIAL SCIENCE (TMS)

Anthropology is the study of human biology and culture and the interaction between the two. At U of T Mississauga, courses are offered in four subfields of anthropology.

- **Biological Anthropology** is the systematic study of humans and their evolution as biological organisms written within the framework of culture. Biological studies include human osteology, human paleontology, human evolution, genetics and adaptation, human growth, primatology and forensic anthropology.

- **Sociocultural Anthropology** is the study of humans throughout the world in contemporary cultures: technologies, economies, politics, religion; the inter-relationships of these; and the relationship between culture and environment.

- **Linguistic Anthropology** is concerned with the study of language in its social setting.

- **Archeology** is the study of physical remains resulting from human behaviour (e.g., habitations, tools, food remains) in order to reconstruct and explain human behaviour in the past.

PROGRAMS AND SPECIALIZATIONS

Anthropology: Offered as a Minor, Major and Specialist

WHY CHOOSE U OF T MISSISSAUGA FOR LIFE SCIENCES?

- Successful upper-year students mentor new students by helping them understand how to gain the most from their lectures and study periods.

- Students in second and third years can earn credit doing research with professors on campus through the Research Opportunity Program.

- Field courses in Forensic Anthropology and Archeology allow students to apply what they learn in class to data collection and research outside the classroom.

AFFILIATED STUDENT CLUBS

- Anthropology Club of Erindale (ACE)

WHAT HIGH SCHOOL PREPARATION DO I NEED?

- If you are applying to Anthropology through Life Sciences, you will need six Grade 12 U/M courses including: English (ENG4U), Advanced Functions (MHF4U), Biology (SBI4U) and Chemistry (SCH4U).*

- If you are applying to Anthropology through Social Sciences, you will need six Grade 12 U/M courses including English (ENG4U).*

*This refers to courses from the Ontario curriculum. We will accept equivalent courses from other academic systems. For details, visit www.adm.utoronto.ca/adm.

WHAT COURSES DO I TAKE?

First-year Anthropology students take:

- ANT101H5: Introduction to Biological Anthropology and Archaeology
- ANT102H5: Introduction to Sociocultural and Linguistic Anthropology

AFTER GRADUATION

Anthropologists are employed as professors in universities, as researchers in museums, in national and international governmental bodies and in business and industry.

FOR MORE INFORMATION

Department of Anthropology
Undergraduate Advisor
905-828-3726
www.erin.utoronto.ca/7799.0.html

CHEMICAL & PHYSICAL SCIENCES

OUAC CODE: TMW

Chemical and Physical Sciences programs examine chemical and physical matter – from stars and planets to the chemical components of living cells. U of T Mississauga offers an amazing range of programs to suit all interests within our Department of Chemical & Physical Sciences. All areas of study lead to an Honours Bachelor of Science.

PROGRAMS AND SPECIALIZATIONS

- Astronomy (Major)
- Astronomical Sciences (Specialist)
- Biological Chemistry (Specialist)
- Biomedical Physics (Specialist)
- Chemistry (Minor, Major, Specialist)
- Earth Sciences (Major, Specialist)
- Geology (Specialist)
- Physics (Minor, Major)
- Science Education (Minor)

WHY CHOOSE U OF T MISSISSAUGA FOR CHEMICAL & PHYSICAL SCIENCES?

U of T Mississauga has a long-standing history of influential chemical and physical scientists. **Dr. J. Tuzo Wilson**, a prominent Canadian geophysicist and professor, played a crucial role in advancing plate tectonic theory. He also served as U of T Mississauga's second principal and was instrumental in establishing a research laboratory to house and study the magnetic properties of moon rocks. Also, in 1972, U of T Mississauga astronomer **Tom Bolton** co-discovered the first black hole in space. The legacy of Wilson, Bolton and many others carries on in U of T Mississauga's Department of Chemical & Physical Sciences.

Much of the current research in the department focuses on the interface of Biology with Chemistry and Physics. Nuclear magnetic resonance spectroscopy is used to investigate the structure of biomembranes. The development of DNA-detecting biosensors is also under way.

HANDS-ON EXPERIENCE

- Senior students complete a year-long internship or research project in their area of interest. Research opportunities are also available through 299Y and 399Y courses.
- Strong emphasis on lab work, where students use state-of-the-art technology and instruments.
- Practical and field courses allow students to learn about concepts first-hand through interactive classes. For example, **ERS325 – Field Camp I: Whitefish Falls/Manitoulin Island** takes students to the north shore of Lake Huron to introduce them to geological mapping and recording.
- Opportunities to work with professors to conduct original research. Previous projects include the exploration of new imaging techniques, a global climate model to project weather forecasts, studies of the advanced evolution of stars, development of biosensors and study of living radical polymerization processes.

AFFILIATED STUDENT CLUBS

- Erindale Chemical and Physical Science Society
- J. Tuzo Wilson Geology Club
- Pre-Med Club
- Pre-Dental Society
- Pre-Optometry Society at U of T Mississauga

WHAT HIGH SCHOOL PREPARATION DO I NEED?

Admission is based on six Grade 12 credits (Ontario U or M credits), one of which must be English (ENG4U),* plus:

- Advanced Functions (MHF4U)*
- Physics (SPH4U)* and/or Chemistry (SCH4U)* – depending on the required first-year courses in the preferred area of study
- Calculus & Vectors (MCV4U)* recommended
- Admission into first-year Chemistry and Physics requires a minimum of 70% in grade 12 prerequisites

*This refers to courses from the Ontario Curriculum. We will accept equivalent courses from other academic systems. For details, visit www.adm.utoronto.ca/adm.

WHAT COURSES DO I TAKE?

First-year studies for Astronomical Sciences and Astronomy include:
- AST110H5: Practical Astronomy
- MAT102H5: Introduction to Mathematical Proofs
- MAT137Y5: Calculus
- PHY135Y5: Introductory Physics

First-year studies for Biological Chemistry include:
- BIO152H5: Introduction to Evolution and Evolutionary Genetics
- CHM110H5: Chemical Principles 1
- CHM120H5: Chemical Principles 2
- MAT134Y5/135Y5/137Y5: Calculus
- PHY136H5: Introductory Physics 1
- PHY137H5: Introductory Physics 2

First-year studies for Biomedical Physics include:
- PHY136H5: Introductory Physics 1
- PHY137H5: Introductory Physics 2
- CHM110H5: Chemical Principles 1
- CHM120H5: Chemical Principles 2
- MAT134Y5/135Y5/137Y5: Calculus

First-year studies for Chemistry include:
- CHM110H5: Chemical Principles 1
- CHM120H5: Chemical Principles 2
- MAT134Y5/135Y5/137Y5: Calculus
- PHY136H5: Introductory Physics 1
- PHY137H5: Introductory Physics 2

First-year studies for Earth Science and Geology include:
- MAT134Y5/135Y5/137Y5: Calculus
- CHM110H5: Chemical Principles 1
- CHM120H5: Chemical Principles 2
- PHY136H5: Introductory Physics 1
- PHY137H5: Introductory Physics 2
- ENV100Y5: The Environment or ERS103H5: Geology and Public Issues and ERS120H5: Planet Earth

First-year studies for Physics include:
- PHY136H5: Introductory Physics 1
- PHY137H5: Introductory Physics 2
- CHM110H5: Chemical Principles 1
- CHM120H5: Chemical Principles 2
- MAT135Y5 or 137Y5: Calculus

AFTER GRADUATION

Programs in the Chemical & Physical Sciences are excellent preparation for graduate school and professional programs (e.g. medicine, dentistry, pharmacy).

Graduates may pursue careers in industries such as pharmaceuticals, electronics, computer-related enterprises, engineering, operations research, biomedical professions, mining and natural resources.

Students interested in teaching should refer to page 15, the Concurrent Teacher Education Program. Also consult the department fact sheet to learn about opportunities to gain teaching experience as undergraduate students.

FOR MORE INFORMATION

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pm.macdonald@utoronto.ca
www.utm.utoronto.ca/cps

Note: A course code containing a "Y" is a full-credit course that runs over two semesters (Sept. to April). A course code containing an "H" is a half-credit course that runs for one semester.

COMMERCE & MANAGEMENT

OUAC CODES: COMMERCE (TME) • MANAGEMENT (TMG)

Business studies at U of T Mississauga takes two forms: **Commerce** and **Management.** Each provides you with a fundamental understanding of the theory and practice of business, but they specialize in different areas and have differing requirements for admission.

WHAT IS COMMERCE?

We offer six Commerce programs at U of T Mississauga:

- **Commerce & Finance** (BCom)
- **Accounting** (BCom)
- **Finance** (BCom)
- **Human Resource Management** (BCom)
- **Marketing** (BCom)
- **Commerce Major** (Honours BA/Honours BSc)

All commerce programs offered by U of T Mississauga combine economics and various sub-disciplines of business and management. These enable students to develop analytical skills and gain knowledge of organizations and their environments. This background is useful for solving problems and making decisions in business and government. The Specialist Program in Accounting allows students to complete the prerequisite studies for professional accounting qualifications (e.g. CA; CMA).

WHAT IS THE BBA/MANAGEMENT MAJOR?

The **Management Specialist** leads to a Bachelor of Business Administration (BBA) degree. The program provides students with a good understanding of the major sub-disciplines of management and with an integrated set of management skills. The **Management Major** program leads to either an Honours BA or Honours BSc degree, depending on the second academic subject chosen.

WHY CHOOSE U OF T MISSISSAUGA FOR BUSINESS?

Strong foundation for a fulfilling career

- U of T degrees are highly regarded by potential employers
- Rigorous grounding in business skills & knowledge, and applications
- Challenging and relevant courses

Top Professors

- World class expertise
- Cross-disciplinary collaboration with domestic and international scholars

Business Plus

- Liberal arts tradition: provides breadth and depth

Distinctive Programs: Established and Innovative

- 1920: Commerce program – Joint Major in Management and Economics
- 1997: Management Major – Double Major in Management plus any other subject
- 2005: Accounting Specialist within BCom
- 2006: Management Specialist
- 2007: Finance, Human Resource Management and Marketing Specialist programs within BCom
- 2008: Bachelor of Business Administration (BBA)

Enriched Programs

- Added value for students – career preparation, skills development, internship opportunities
- Student experience – social and academic activities

AFFILIATED STUDENT CLUBS

- Student Management Association (SMA)
- Undergraduate Commerce Society (UCS)

WHAT HIGH SCHOOL PREPARATION DO I NEED?

Admission is based on six Grade 12 credits (Ontario U or M credits), one of which must be English (ENG4U),* plus:

For Commerce:
- Advanced Functions (MHF4U)*
- Calculus & Vectors (MCV4U)*

For Management:
A Grade 12U Math credit*

*This refers to courses from the Ontario Curriculum. We will accept equivalent courses from other academic systems. For details, visit www.adm.utoronto.ca/adm.

WHAT COURSES DO I TAKE?

First-year studies for Commerce
- ECO100Y5: Introduction to Economics
- MAT133Y5: Calculus & Linear Algebra for Commerce
- MGM101H5: Introduction to Management Functions
- MGT120H5: Introduction to Financial Accounting & Electives

First-year studies for Management
- MGM101H5: Introduction to Management Functions
- MGM102H5: Management in a Changing Environment
- ECO100Y5: Introduction to Economics
- Second major requires courses & electives

Some interesting upper-year courses
- MGT493H5: Small Business Management
- MGM332H5: Managerial Finance

AFTER GRADUATION

Career options include finance, accounting, consulting, human resource management, marketing, operations management, securities.

- Accounting specialists prepare to write professional accreditation exams.
- Graduate studies such as the MBA, MMPA.

FOR MORE INFORMATION

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mary.wellman@utoronto.ca
www.utm.utoronto.ca/management

UNIVERSITY OF TORONTO MISSISSAUGA

COMMUNICATION, CULTURE & INFORMATION TECHNOLOGY

OUAC CODE: TMC

The Institute of Communication, Culture & Information Technology offers a number of integrated, multi-disciplinary programs which provide an opportunity to study in depth topics at the intersection of communications, culture, information and technology with an emphasis on digital technologies and digital media. Courses are offered in the development and use of visual, audio and tactile technologies, the management of technologies, the development and interpretation of content, and the interweaving of technology and culture.

The programs offered by ICCIT provide students with unique educational experience through a rich set of courses that range across a variety of disciplines and allow students to take advantage of the exceptional research and teaching resources of the University of Toronto Mississauga and either Sheridan Institute of Technology and Advanced Learning or the Faculty of Information at the University of Toronto. If students take advantage of our partnership with the Faculty of Information they benefit from participating in two world-class research and teaching environments and also be able to take advantage of unique programs offered by the Knowledge Media Design Institute (KMDI) which is associated with the Faculty of Information.

PROGRAMS AND SPECIALIZATIONS

- The **CCIT Major** allows students to select courses from a variety of courses addressing the study of communications, culture, information and technology. Students also enrol in another Major program at UTM in addition to the CCIT Major. The combining of two major programs allows students to build a comprehensive portfolio of knowledge and skills that is an outstanding preparation for careers in almost any creative and professional field and graduate work.

- The **Digital Enterprise Management Specialist (DEM)** focuses on how business and organizations are transformed through the innovative potential of technology and, in particular, digital technologies. Students studying in the DEM program explore the full range of management disciplines from marketing to finance and organizational behaviour. In addition, they are required to study such key topics as entrepreneurship, the management of technology and project management. This study of management disciplines is enhanced with studies of design, content development and interpretation, digital technologies and innovative courses as digital technologies and risk management.

- The **Interactive Digital Media Specialist (IDM)** is an innovative program that combines a broad and deep study of state-of-the-art technologies and the latest thinking about the application, design and implementation of these technologies. Particular emphasis is placed on knowledge-media and immersive media. The IDM is jointly taught with the Faculty of Information at the University of Toronto and thus takes advantage of research and teaching strengths of ICCIT and the Faculty of Information.

WHY CHOOSE U OF T MISSISSAUGA FOR CCIT?

ICCIT programs integrate theory and practice into a variety of dynamic programs with outstanding professors, staff and facilities. Students have access to state-of-the-art technology and have the opportunity to develop facility in using interactive and immersive technologies. ICCIT also boasts a very active student community and engaged alumni. There are many opportunities to network and interact with our alumni both informally and more formally through internship and mentorship programs.

PROFESSIONAL WRITING - AN EXCITING OPPORTUNITY AT UTM

The ICCIT also offers a Major and Minor in Professional Writing. These programs are stand-alone programs but are also integrated with our other programs. By combin-

ing their studies in other ICCIT programs with a major or minor in Professional Writing students prepare themselves for both traditional journalistic careers in the context of digital media and also many other writing-intensive careers. The Professional Writing program is taught by outstanding faculty and unmatched in the intensive opportunities it provides to students to actively develop their writing skills.

HANDS-ON EXPERIENCE

Eligible ICCIT students can participate in the ICCIT Internship program. Each placement increases students' knowledge, ethical awareness, professionalism and work portfolio in preparation for graduate school and/or employment. Students come to better understand their own aspirations as well as developing their teamwork, problem-solving and communications skills. Internships provide wonderful networking opportunities in the media, communications and digital technology sectors.

ICCIT also provides for students to have opportunities of gaining work experience through CCT 409 which involves working with a group of other students on a specific project with external organizations.

Past interns have worked in television and radio, advertising and design companies, as well as with web developers. Host organizations include: Muchmusic, Bell Media Group, CBC, Rogers TV, Service Canada, City of Toronto, RBC Capital Markets, Sick Kids Foundation, Nestle Canada and the Research Innovation Centre.

NOTE: ICCIT features two 400-level internship courses, CCT 410H5 and CCT 411H5. Each course is a 0.5 credit course and to register students must have a minimum CGPA of 2.5 and have completed 13.0 credits.

AFFILIATED STUDENT CLUBS

- CCIT Council - www.ccitcouncil.com

WHAT COURSES DO I TAKE?

Each CCIT program has a specific curriculum that students must follow. The core courses for CCIT are:

- CCT109H5: Contemporary Communication Technologies
- CCT110H5: The Rhetoric of Digital and Interactive Media Environments
- CCT200H5: Intercultural Communication
- CCT204H5: Design Thinking
- CCT205H5: Digital Innovation & Cultural Transformation
- CCT206H5: Law, Technology and Culture
- CCT208H5: Writing & Research Methods in Communication
- CCT210H5: Signs, Referents and Meaning
- CCT260H5: Web Culture and Design

Some interesting upper-year courses:

- MGD415H5: E-Business Strategies
- CCT311H5: Introduction to Game Design & Theory
- CCT316H5: Communication & Advertising
- CCT374H5: Technologies of Knowledge Media
- CCT382H5: Edutainment: Immersive Learning
- CCT453H5: Advanced Video Production

WHAT HIGH SCHOOL PREPARATION DO I NEED?

Admission is based on six Grade 12 credits (Ontario U or M credits), one of which must be English (ENG4U).*

*This refers to courses from the Ontario Curriculum. We will accept equivalent courses from other academic systems. For details, visit www.adm.utoronto.ca/adm.

AFTER GRADUATION

ICCIT programs can launch graduates into a wide variety of expanding and dynamic career paths. Among them you will find advertising, communications, marketing, business and technology consulting, web design, webmastering and graphic design, journalism, public relations, education, creative arts, arts management, designer of interactive and immersive environments, health care communications and industrial design.

Graduate Studies: Depending on their program, students have pursued graduate degrees in journalism, media studies, communications, communication & culture, fine arts, visual culture and information studies.

FOR MORE INFORMATION

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905-569-4398
www.utm.utoronto.ca/iccit

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UNIVERSITY OF TORONTO MISSISSAUGA

COMPUTER SCIENCE, MATHEMATICS AND STATISTICS

OUAC CODE: TMZ

Whether you choose to study **Computer Science, Mathematics** or **Statistics**, you will graduate with insights from all three disciplines, making you a versatile problem solver. At U of T Mississauga, students in all these programs work with professors and graduate students for a well-rounded and supportive learning experience. Senior students stretch their creativity, entrepreneurial spirit and technical knowledge to produce amazing products with the potential for commercialization. All areas of study lead to Honours Bachelor of Science degrees.

PROGRAMS AND SPECIALIZATIONS

- **Applied Statistics:** Numbers are all around us. From the thickness of the ozone layer to the cost of beer, the world is permeated with quantity. This is a program suited for students interested in probability theory and the study of phenomena involving uncertainty (offered as a Minor, Major and Specialist).

- **Bioinformatics:** One of our newest specialists, combines cutting-edge technology with molecular biology and math to analyze and manage vast amounts of genomic data. Students interested in computer science and life science should consider Bioinformatics (offered as a Specialist only).

- **Computer Science:** Includes courses in the theory and application of information processing. Topics range over computability, databases, data structures, operating systems and artificial intelligence, for example (offered as a Major and Specialist).

- **Geocomputational Science:** Provides students with a solid foundation in geographic theory and problem-solving, as well as the computer science skills valued by employers (offered as a Specialist only).

- **Information Security**: A new and timely computer science program that focuses on system attack strategies and defense mechanisms like viruses, spyware, privacy, forensics and cryptography (offered as a Specialist only).

- **Mathematical Sciences:** Teaches one to think analytically and creatively. Students who develop strong backgrounds in mathematics often have distinct advantages in other fields such as physics, computer science, economics, and finance (offered as a Minor, Major and Specialist).

- **Science Education:** Students who are interested in teaching can enrol in the Early Teacher Program. Successfully completing the program requirements guarantees admittance to the Bachelor of Education Program in the Ontario Institute for Studies in Education at the University of Toronto.

WHY CHOOSE U OF T MISSISSAUGA FOR COMPUTER SCIENCE, MATHEMATICS AND STATISTICS?

- Our expanding department has recently added a number of courses to reflect the direction of applied technology and mathematical sciences in today's society. For example, upper-year students in computer science work independently to develop innovative projects, such as voice recognition systems for an iPod. Some students' entrepreneurial projects earn the interest of industry representatives.

- The field of Bioinformatics reflects the new direction of medicine with future prospects in virtual clinical trials and cancer treatments driven by technology.

- In 2007, for the second year in a row, one of our faculty received the U of T Mississauga Teaching Excellence Award 'for outstanding teaching by a faculty member'.

HANDS-ON EXPERIENCE

- Professional Experience Year (PEY) for students enrolled in the Bioinformatics, Computer Science, Information Security, Mathematics and Statistics programs. This is 16 months of paid work experience. Visit www.pey.utoronto.ca for more information.

- Senior students and graduate students mentor first- and second-year students to create a supportive learning environment.

- Paid work opportunities through the Work-Study Program allow students to assist professors with their research.

- Research opportunities in state-of-the-art labs allow students to discover new applications for information technology and mathematics (e.g. Information Security Lab).

AFFILIATED STUDENT CLUBS

- Mathematical and Computational Science Society (MCSS)
- Honours Society

WHAT HIGH SCHOOL PREPARATION DO I NEED?

All programs require:
- Six Grade 12 U or M courses*
- English (ENG4U)*
- Advanced Functions (MHF4U)*
- Calculus and Vectors (MCV4U)*
- Mathematics of Data Management (MDM4U) is recommended.*

Bioinformatics requires, in addition to the above, Biology (SBI4U) and Chemistry (SCH4U).*

*This refers to courses from the Ontario Curriculum. We will accept equivalent courses from other academic systems. For details, visit www.adm.utoronto.ca/adm.

WHAT COURSES DO I TAKE?

First year studies in Bioinformatics:
- BIO152H5: Introduction to Evolution & Evolutionary Genetics
- CHM140Y5: Matter and Its Transformations
- MAT102H5: Mathematical Proofs
- MAT135Y5/137Y5: Calculus
- CSC108H5: Introduction to Computer Programming
- CSC148H5: Introduction to Computer Science
- MAT223H5: Linear Algebra I

Note: A course code containing a "Y" is a full-credit course that runs over two semesters (Sept. to April). A course code containing an "H" is a half-credit course that runs for one semester.

First year studies in Computer Science:
- CSC108H5: Introduction to Computer Programming
- CSC148H5: Introduction to Computer Science
- MAT102H5: Mathematical Proofs
- MAT135Y5/137Y5: Calculus
- CSC290H5: Communication Skills for Computer Scientists

First year studies in Geocomputational Science:
- CSC108H5: Introduction to Computer Programming
- CSC148H5: Introduction to Computer Science
- MAT102H5: Mathematical Proofs
- MAT135Y5/137Y5: Calculus
- GGR117Y5/ENV100Y5: Where on Earth?/The Environment

First year studies in Information Security:
- CSC108H5: Introduction to Computer Programming
- CSC148H5: Introduction to Computer Science
- MAT102H5: Mathematical Proofs
- MAT135Y5/137Y5: Calculus
- CSC290H5: Communication Skills for Computer Scientists

First year studies in Mathematics:
- MAT102H5: Mathematical Proofs
- MAT134Y5/135Y5/137Y5: Calculus
- MAT223H5: Linear Algebra I

First year studies in Statistics:
- MAT134Y5/135Y5/137Y5: Calculus
- CSC108H5: Introduction to Computer Programming
- MAT102H5: Introduction to Mathematical Proofs
- MAT223H5: Linear Algebra
- STA107H5: An Introduction to Probability & Modelling

AFTER GRADUATION

Graduates gain research skills, the ability to dissect ideas, analyze and interpret them. These skills can be applied to many areas including: the financial industry, bio-medical industry, information security, software development, government, survey research, teaching.

FOR MORE INFORMATION

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UNIVERSITY OF TORONTO MISSISSAUGA

CONCURRENT TEACHER EDUCATION PROGRAM

OUAC CODES: FRENCH (TEB) • CHEMISTRY (TEC) • MATH (TEM) • PRIMARY-JUNIOR (TED)

The **Concurrent Teacher Education Program (CTEP)** is a partnership between the Ontario Institute for Studies in Education (OISE) and the University of Toronto Mississauga. It allows students who are interested in a teaching career to complete two undergraduate degrees at the same time during five years of full-time study. Upon successful completion of the program, U of T Mississauga students will earn both a Bachelor of Education and either an Honours Bachelor of Arts or an Honours Bachelor of Science and will be recommended for certification as teachers in Ontario.

PROGRAMS AND SPECIALIZATIONS

- **Concurrent Education – French**: BEd & Honours BA
- **Concurrent Education – Chemistry:** BEd & Honours BSc
- **Concurrent Education – Mathematics:** BEd & Honours BSc
- **Concurrent Education – Primary-Junior (Focus on Exceptional Learners):** BEd & Honours BSc

The **French, Chemistry and Math** programs prepare students to become teachers at the Intermediate-Senior levels (Grades 7 to 12). Each is an "anchor" subject. Students must study an anchor subject as a Major or Specialist, but will combine it with one or two other teaching subjects in any area that is offered at U of T Mississauga and supported by OISE. For a listing of second teaching subjects, please see www.ctep.utoronto.ca/program/areas.html.

For the **Primary-Junior (Focus on Exceptional Learners)** program, students must complete either a Psychology Major or Specialist, or the Exceptionality in Human Learning (EHL) Major or Specialist. Beyond these Specialists or Majors, Primary-Junior Teacher candidates are not required to declare additional teaching subjects. Students may elect any other Minor or Major program offered at U of T Mississauga as long they meet the admission requirements and the program combination satisfies the requirement for the Honours Bachelor degree and the Concurrent Teacher Education Program.

WHY CHOOSE U OF T MISSISSAUGA FOR THE CONCURRENT TEACHER EDUCATION PROGRAM?

- OISE is one of the largest and most research-intensive faculties of education in North America and the premier place in Canada to study education.
- Over the course of the program, Concurrent Education students will develop an electronic portfolio (a collection of artifacts, assignments and reflective activities) that mirrors their growth from students to professionals.
- This program was developed specifically to allow for hands-on experience earlier, in more contexts, over a longer period and with more opportunity to explore connections between theory and practice than other concurrent education programs in Ontario.
- U of T Mississauga puts the principles of equity and diversity, and communication and conflict resolution at the forefront of teacher development. This is a program designed specifically to meet and embrace changing educational needs.

French Option:

- Innovative language labs where students get immediate feedback from language learning software.
- Students have the opportunity to study in a francophone setting.
- Extracurricular activities such as French conversation clubs are hosted by instructors and active student academic societies.

Chemistry/Math Option:

- Students take part in practical and field courses, allowing them to learn about concepts first hand through interactive classes.
- Opportunities to work with professors to conduct original research in state-of-the-art laboratories.

Primary/Junior Option:

- The U of T Mississauga Psychology Department offers 54 courses annually including 20 courses in child development, abnormal behaviour, and/or exceptionality. Faculty include world-class experts in a broad range of areas.
- The innovative option will allow students to gain valuable skills for working with all students.

WHAT HIGH SCHOOL PREPARATION DO I NEED?

Admission is based on six Grade 12 credits (Ontario U or M credits), one of which must be English (ENG4U),* plus:

- **For Concurrent Education – French:** One Grade 12U French is mandatory. (Immersion, Extended or Core French)*
- **For Concurrent Education – Chemistry:** Advanced Functions (MHF4U) and Chemistry (SCH4U) are required; Calculus & Vectors (MCV4U) is highly recommended.*
- **For Concurrent Education – Math:** Advanced Functions (MHF4U) and Calculus & Vectors (MCV4U) are required; Mathematics of Data Management (MDM4U) is recommended.*
- **For Concurrent Education – Primary/Junior (Focus on Exceptional Learners):** One 12U Math is required – Data Management (MDM4U) is the recommended math course; Biology (SBI4U) is recommended.*

*This refers to courses from the Ontario Curriculum. We will accept equivalent courses from other academic systems. For details, visit www.adm.utoronto.ca/adm.

APPLYING TO THE PROGRAM

French, Chemistry, Math:
Students applying for Year 1 entry (direct entry from secondary school) or Year 2 entry (after completing your first year of university at U of T Mississauga) are required to submit an applicant profile by February 15, 2012. Visit www.ctep.utoronto.ca for details.

Primary/Junior (Focus on Exceptional Learners):
Each student will be required to meet the expectations set out by both the Psychology Department and the Concurrent Teacher Education Program.

Students applying for Year 1 entry (direct entry from secondary school) are required to submit an applicant profile by February 15, 2012. Students who have completed their first year of university at U of T Mississauga and are Psychology Majors may also apply to the program by submitting an applicant profile by February 15, 2012. For further information, please visit www.ctep.utoronto.ca.

WHAT COURSES DO I TAKE?

For a listing of required CTEP courses, please see www.ctep.utoronto.ca/program/courses.html.

French, Chemistry, Math: You will also take the required first-year courses for your anchor subject and second teaching subject. For details, please refer to the course choices in the Chemistry, Languages (French) and Math sections of this booklet, as well as for the second teachable subjects.

Primary/Junior (Focus on Exceptional Learners): Students are required to take PSY100Y5 in their first year. For a listing of Psychology courses, please see the Psychology department for further information.

AFTER GRADUATION

Successful graduates of these programs will be certified to become teachers in Ontario at either: the Intermediate-Senior levels (Grades 7 to 12 for those whose anchor subject was Math, Chemistry or French), or; at the Primary-Junior levels (Kindergarten to Grade 6 for those whose anchor subject was Psychology) with a specific focus on students with exceptionalities.

FOR MORE INFORMATION

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ECONOMICS

OUAC CODE: TMS

Economics is a social science that encompasses a particular range of human behaviour and has a strong influence on the structure, well-being and development of a society. It deals with any issue arising out of the conflict between the demand for goods and services, and a limited supply of resources to satisfy those demands. Undergraduate training in Economics is intended to make students aware of the nature of economic science, and of the direction in which economic theory is moving.

PROGRAMS AND SPECIALIZATIONS

The **Department of Economics** offers a wide variety of programs for undergraduate students ranging from Economics Minor, Major and Specialist programs, as well as various joint programs offered with other departments. One of those is the **Commerce Program** which combines economics and management, enabling students to develop analytical skills and gain knowledge of organizations and their environment. Other joint programs include the **International Affairs Specialist Program** and the **Human Resources & Industrial Relations Major Program**. Our **Financial Economics Specialist Program** runs jointly with the Economics Department on the St. George Campus.

WHY CHOOSE U OF T MISSISSAUGA FOR ECONOMICS?

- U of T degrees are highly regarded by potential employers
- Challenging and relevant courses
- World-class experts teaching their speciality areas
- Distinctive programs:
    - Economics Specialist (Commerce and Finance)
    - Financial Economics Specialist
    - Economics & Political Science Specialist
    - International Affairs Specialist
    - Economics Specialist, Major, Minor Programs
    - Human Resource & Industrial Relations Major

WHAT HIGH SCHOOL PREPARATION DO I NEED?

Admission is based on six Grade 12 credits (Ontario U or M credits) one of which must be English (ENG4U),* **plus**:

- **For Economics:** Grade 12 Advanced Functions (MHF4U) and one other 12U Math.*
- **For International Affairs:** Grade 12 Advanced Functions (MHF4U) and one other 12U Math are required. Grade 12 French (FSF4U/FEF4U/FIF4U*) or German or Italian, is recommended.

*This refers to courses from Ontario Curriculum. We will accept equivalent courses from other academic systems. For details, visit www.adm.utoronto.ca/adm.

WHAT COURSES DO I TAKE?

For first-year Studies in Economics:

- ECO100Y5: Introduction to Economics
- MAT133Y5: Calculus & Linear Algebra for Commerce
- Joint programs have additional required courses for the first year.

Some interesting upper-year courses include:

- ECO333Y5: Urban Economics
- ECO349H5: Money, Banking & Financial Markets
- ECO365H5: International Monetary Economics

AFTER GRADUATION

Undergraduate training in economics is intended to familiarize students with the discipline of economic thinking, and to equip them for intelligent appraisal of contemporary economics problems. The completion of an economic program does not lead to any one specific job. Rather, students in Economics find employment opportunities in government, corporations, education, journal-

ism, law, banking and the financial industry, and non-government organizations (NGOs).

The **Economics Major Program** provides solid training in Economics and may be combined with a Major or a joint Specialist Program for a four-year Honours BA degree.

An **Economics Specialist Program** provides training in Economics, providing solid analytical preparation for employment in business or government or for graduate studies in Economics, business, law or other areas. Careers in economic research often require graduate study at the MA or PhD level. The **Financial Specialist Program** prepares students for work in the financial sector.

The **Human Resources & Industrial Relations Major Program** provides a foundation for completion of the Certified Human Resources Professional (CHRP) designation offered by the Human Resources Professionals Association of Ontario, and for further study in the area, such as the Master of Industrial Relations degree offered at the St. George campus.

The **International Affairs Specialist Program** provides background and training in the combination of analytical and linguistic skills demanded of individuals who wish to work in the context of an increasingly globalized economy. Employment opportunities pertain to political, commercial and economic relationships between nations.

FOR MORE INFORMATION

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Note: A course code containing a "Y" is a full-credit course that runs over two semesters (Sept. to April). A course code containing an "H" is a half-credit course that runs for one semester.

ENGLISH

OUAC CODE: TMH

U of T Mississauga's **English** program offers a wide range of courses. Whether a course provides knowledge of one author or one genre or an entire period, the aim is to deepen the students' awareness and appreciation of a distinguished literary tradition. The first-year courses are designed to increase the students' skill in reading, interpretation and effective writing, emphasize the development of analytical and essay-writing skills, and build the acquaintance with major literary forms and conventions that students need in more advanced English courses.

PROGRAMS AND SPECIALIZATIONS

- English Specialist
- English Major
- English Minor
- Students may also wish to explore a program in **Canadian Studies,** which is offered as a Major or a Minor. This flexible program introduces students to several academic disciplines, methods of inquiry, and theoretical approaches to the study of Canada.

WHY CHOOSE U OF T MISSISSAUGA FOR ENGLISH?

U of T Mississauga's English program is one of the best in Canada. Students have the opportunity to study with outstanding professors and have a wide selection of courses to choose from. It is very common for U of T Mississauga students to have the same professor more than once, which is helpful in building a strong dynamic between professors and students. A good student-professor working relationship can help students succeed because they are comfortable getting help and guidance — it can also help if a student needs a reference letter.

HANDS-ON EXPERIENCE

The Research Opportunity Program (ROP) gives second- and third-year students the opportunity to work with a professor to develop their research in an interactive partnership. ROP is part of our continuing effort to offer students the benefits of a superb undergraduate education in a research-intensive university. Students also have the opportunity to take Individual Studies courses in their third year in which they devise a project that is supervised by a faculty member.

AFFILIATED STUDENT CLUBS

- Drama Club
- English and Drama Student Society

WHAT HIGH SCHOOL PREPARATION DO I NEED?

Grade 12 English (ENG4U) plus five other Grade 12 U/M courses.*

*This refers to courses from the Ontario Curriculum. We will accept equivalent courses from other academic systems. For details, visit www.adm.utoronto.ca/adm.

WHAT COURSES DO I TAKE?

There are many paths to take in the English program. Course selection is designed to ensure a deep appreciation of literary tradition. A sample of one such program of first-, second- and third-year courses could include:

- ENG140Y5: Literature for Our Time
- ENG202Y5: British Literature: Medieval to Romantic
- ENG205H5: Rhetoric
- ENG250Y5: American Literature
- ENG252Y5: Canadian Literature
- ENG300Y5: Chaucer

Some other interesting second-year courses include:

- ENG234H5: Children's Literature

- ENG236H5: Detective Fiction
- ENG237H5: Science Fiction
- ENG239H5: Fantasy and Horror
- ENG259H5: Literature and the Environment

AFTER GRADUATION

Studying English develops skills of analysis and expression that are required for all areas of research, business, and professional activity, and that are essential to success both within and beyond university.

Students considering graduate degrees should consult their instructors about graduate school requirements.

Possible careers include: teaching, law, journalism, public relations, communications, publishing, editing.

FOR MORE INFORMATION

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Note: A course code containing a "Y" is a full-credit course that runs over two semesters (Sept. to April). A course code containing an "H" is a half-credit course that runs for one semester.

UNIVERSITY OF TORONTO MISSISSAUGA

ENVIRONMENTAL MANAGEMENT
ENVIRONMENTAL SCIENCE

OUAC CODES: ENVIRONMENTAL MANAGEMENT (TMS) • ENVIRONMENTAL SCIENCE (TMW)

There is nothing more fundamental to the well-being of humans than furthering the understanding of the environment — how it works, how it influences our lives, and how it is affected by human activities. The study of Environment at U of T Mississauga is an interdisciplinary undertaking. The programs are administered by the Department of Geography, which advises students and co-ordinates participating departments, faculty and staff. The curriculum is designed to emphasize the integrative, cross-disciplinary nature of the study of the environment. It takes a global perspective on current environmental issues, problems and solutions, but with a Canadian focus. The program streams are flexible, allowing students to pursue a wide range of interests from the laboratory sciences, to fieldwork and applied sciences, to applications in humanities, law and business.

PROGRAMS AND SPECIALIZATIONS

Environment at U of T Mississauga offers a choice of two program paths:

- **Environmental Management** (Honours BA — Specialist, Major or Minor)
- **Environmental Science** (Honours BSc — Specialist, Major or Minor)

In the **Environmental Science** programs, students engage with the interdisciplinary sciences required to understand the complexities of the environment. Students can focus on biogeochemical relationships in natural and managed ecosystems, or they can learn to apply their knowledge to the chemical, physical and biotechnical remediation of environmental problems. This program leads to the Honours Bachelor of Science (HBSc) degree, but social and policy perspectives are also part of the program because those who will develop our scientific knowledge and technological capacities must have a basic understanding of environmental management and the human-environment relationship.

The **Environmental Management** programs focus on environment, society and public policy, including resource management, environmental assessment and the social, economic and policy aspects of environmental change. This program leads to an Honours Bachelor of Arts (HBA) degree, but some basic science is required because those who will set environmental policy and lead society through our current environmental challenges must have some foundation in natural science.

WHY CHOOSE U OF T MISSISSAUGA FOR ENVIRONMENT?

- U of T Mississauga's Environment faculty members are award-winning researchers and teachers, who encourage students to become involved in basic enquiry and critical thinking, cross-disciplinary cooperation, and the application of concepts to real-life problems.
- Students will develop the environmental problem-solving skills required for the most dynamic areas of today's job market.
- There are opportunities to become involved in environmental practice, research, fieldwork and practical work placements.
- There are many environmental initiatives on campus, including green roofs, an engineered wetland, a solar installation, hydrogen fuel cell installations, geothermal energy, carpooling and biking initiatives.

HANDS-ON EXPERIENCE

- Experiential learning, research opportunities, practical placements, and opportunities for fieldwork are integral to both Environment programs at U of T Mississauga.
- In the second year Environmental Sustainability Practicum, students may complete on-campus environmental projects of their own design.
- In third year, students may apply for the International

Environmental Sustainability course in Mexico.

- The unique Environmental Internship offers qualified fourth-year students the opportunity to undertake a project under the supervision of an environmental professional from industry, government (municipal, provincial, federal), or the non-profit sector. There are many additional opportunities for field work, independent research and applied learning.

AFFILIATED STUDENT CLUBS

- Student Association for Geography and Environment (SAGE)
- The Green Team offers an opportunity for students to undertake practical, campus-based environmental projects through the university's work-study program.

WHAT HIGH SCHOOL PREPARATION DO I NEED?

If you are applying to **Environmental Science** (through OUAC Chemical & Physical Sciences), you will need six Grade 12 U/M courses including: English (ENG4U), Advanced Functions (MHF4U) and one of Chemistry (SCH4U) or Physics (SPH4U) for admission to the Chemical and Physical Sciences. You will also need Biology (SBI4U) if you wish to specialize in Environmental Science with a Biology focus after first year.

If you are applying to **Environmental Management** (through OUAC Social Sciences) you will need six Grade 12 U/M courses including English (ENG4U) for admission to Social Sciences. Advanced Functions (MHF4U) and Biology (SBI4U) are recommended in order to specialize in Environmental Management after first year.

Any Grade 11 or Grade 12 Geography course is useful preparation for either program stream, particularly Environmental and Resource Management (CGR4M)* or Geomatics (CGO4M)*.

*This refers to courses from the Ontario Curriculum. We will accept equivalent courses from other academic systems. For details, visit www.adm.utoronto.ca/adm.

Note: A course code containing a "Y" is a full-credit course that runs over two semesters (Sept. to April). A course code containing an "H" is a half-credit course that runs for one semester.

WHAT COURSES DO I TAKE?

The Environment programs begin with a first-year science course, The Environment (ENV100Y5), which provides an introduction to Earth as a system, the functioning of the natural environment, and the impacts of human activities on environmental systems.

The core second-year course, ENV201H5 Environmental and Resource Management, explores the principles of environmental and natural resource policy in the context of ecologically sustainable development.

Both programs include a wide variety of upper-level course choices in science, social science and humanities. Both programs also include courses on research methods, and courses that focus on field, experiential and independent research perspectives.

AFTER GRADUATION

Students graduating from U of T Mississauga Environment programs can apply their knowledge and skills to the private sector, non-profit organizations locally and internationally, and local, provincial and federal governmental organizations. Recent graduates have careers in resource management, environmental monitoring, urban planning, environmental consulting, policymaking, environmental law, environmental advocacy and teaching. Students completing the Environment programs have the skills and knowledge to continue their studies through research-oriented graduate programs and professional degrees such as law or planning.

FOR MORE INFORMATION

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FORENSIC SCIENCE

OUAC CODE: TMK

Best defined as "science in service to the courts," **Forensic Science** is the study of physical evidence in a modern legal context. Students in Forensic Science gain a broad base of knowledge about scientific application and analysis while studying another subject area (either by taking a second major in an approved area of study, or by pursuing one of the streams of specialization listed below).

PROGRAMS AND SPECIALIZATIONS

- **Forensic Anthropology Specialist**
- **Forensic Biology Specialist**
- **Forensic Chemistry Specialist**
- **Forensic Psychology Specialist**
- **Major in Forensic Science**

WHY CHOOSE U OF T MISSISSAUGA FOR FORENSIC SCIENCE?

- Courses are taught by professionals who bring their own expertise and unique field experience to the classroom. For example, Professor Tracy Rogers, Director of the program, is the lead Forensic Anthropologist at the Pickton pig farm in BC, which is perhaps Canada's largest crime scene. Many U of T Mississauga Forensic Science students helped recover materials at that site.

- Professor Michael Pollanen is the senior forensic pathologist at the Office of the Chief Coroner of Ontario and teaches the senior course in forensic pathology.

- Dr. Hisham Ragab is an expert in Forensic DNA. He worked for the Abu Dhabi Police Forensic Science Laboratory from 1997-2010 where he developed their DNA lab and was responsible for its accreditation. He studied under famous Forensic Scientist Dr. Henry Lee (OJ Simpson). He teaches a number of courses including our DNA Evidence course and our Introductory course in Forensic Science.

- Professor Wade Knaap, a Forensic Identification Police Officer and the Scenes of Crime Officer Coordinator with Toronto Police Services, Forensic Identification Unit, Training Section, instructs our forensic identification courses.

- Our array of courses provides students the opportunity to learn about all aspects of Forensic Science in the classroom and to apply their knowledge to practical assignments (e.g. Forensic Identification Field School) using state-of-the-art technology and instruments (e.g. digital fingerprinting).

HANDS-ON EXPERIENCE

- As Canada's first BSc program in Forensic Science, U of T Mississauga has developed well established partnerships with organizations such as the Centre of Forensic Sciences, the Office of the Chief Coroner of Ontario, the Ontario Provincial Police, the RCMP and numerous other police services and agencies across Canada. In their senior year, each student interns with a professional forensic practitioner at one of these agencies to complete a major research project, monitored by a U of T Mississauga professor.

- Past projects have involved researching the best methods of lifting fingerprints, examining practices for locating marijuana grow operations, investigating issues surrounding criminal profiling and collecting DNA from firearms. Each year students present their reports in front of an audience of forensic science professionals invited from across Canada.

- Students learn about entomology, decay and decomposition first-hand through experiments at the "Maggot Farm" (an outdoor lab on-campus where students study the decomposition of animal remains in various environmental conditions).

- Our Forensic Science Crime Scene House, located right on campus, provides our students with the unique opportunity to investigate simulated crime scenes in a realistic setting. This enables students to put theory, skills and knowledge gained in lectures, practical demonstrations and tutorials into practice. Students learn hands-on how to preserve, document and process the scene using appropriate equipment and procedures, including the collection and analysis of data such as DNA, fingerprints, footwear impressions, tool marks and trace evidence. The extensive outside areas around the house simulate outdoor crime scenes, such as clandestine burials and vehicle crime scenes.

- Field school courses (e.g. Archeology Field School) allow students working in teams to put themselves in the place of an investigator to locate a "missing person" buried on campus, collect evidence, reconstruct the crime scene, and do a complete analysis of the victim.

AFFILIATED STUDENT CLUBS

- IVNVI - Forensic Science Society offers workshops on academic skills, careers, lab safety, life saving with CPR, and firearms. It organizes trips to important national and international forensic science conferences (e.g. American Academy of Forensic Sciences).

- Depending on the student's area of specialization, the undergraduate Biology, Anthropology, and Chemistry clubs may also be very helpful.

WHAT HIGH SCHOOL PREPARATION DO I NEED?

- Students need a total of six Grade 12 U/M courses including Grade 12U English.*
- Advanced Functions (MHF4U), Biology (SBI4U) and Chemistry (SCH4U) are required.* Physics (SPH4U) is strongly recommended.*

*This refers to courses from the Ontario curriculum. We will accept equivalent courses from other academic systems. For details, visit www.adm.utoronto.ca/adm.

WHAT COURSES DO I TAKE?

All Forensic Science students take the same core courses:
- BIO152H5: Introduction to Evolution and Evolutionary Genetics
- BIO153H5: Diversity of Organisms
- CHM110H5: Chemical Principles 1
- CHM120H5: Chemical Principles 2
- FSC239Y5: (1) Introduction to Forensic Science
- MAT135Y5: Calculus

For Forensic Biology and Forensic Chemistry, add:
- PHY136H5: Introductory Physics 1
- PHY137H5: Introductory Physics 2

For Forensic Anthropology, add:
- ANT101H5: Introduction to Biological Anthropology and Archaeology
- ANT102H5: Introduction to Sociocultural and Linguistic Anthropology
- MAT135Y5 and CHM110H5/120H5 are not required unless students are completing a Forensic Science major program with an intended second major in Anthropology or Psychology.

For Forensic Psychology, add:
- PSY100Y5: Introductory Psychology
- MAT135Y5 and CHM110H5/120H5 are not required unless students are completing a Forensic Science major program with an intended second major in Anthropology or Psychology.

Some interesting upper-year courses include:
- FSC306H5: Forensic Identification Field School
- FSC310H5: DNA Evidence in Forensic Science
- BIO338H5: Forensic Entomology
- FSC361H5: Forensic Science and Miscarriages of Justice
- FSC401H5: Forensic Pathology
- FSC402H5: Forensic Toxicology

AFTER GRADUATION

- U of T Mississauga's Forensic Science program is excellent preparation for graduate programs in Anthropology, Biology, Biotechnology, Chemistry, Molecular Biology, Psychology or Toxicology. Some graduates proceed to graduate programs in Forensic Science in the United States or the United Kingdom.

- Each year several graduates enter professional programs (e.g. medicine, dentistry, law, pharmacy).

- Graduates pursue careers in law enforcement (either as civilians or sworn police officers). Others take positions in laboratories including the Centre of Forensic Sciences.

FOR MORE INFORMATION

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GEOGRAPHY

OUAC CODES: CHEMICAL & PHYSICAL SCIENCES (TMW) • SOCIAL SCIENCES (TMS)

What is geography? **Geography** is a discipline that investigates natural and social processes at the local, national and global scale. Geographers study human activities and the environment from a spatial perspective with the intent to understand complex social and environmental issues. This unique perspective on the world around them gives geographers the ability to synthesize across a broad range of disciplines such as sociology, climatology, political science, hydrology, soils, GIS, environment, economics and biology to provide numerous career opportunities. Students can earn either an HBA or an HBSc depending on their focus.

PROGRAMS AND SPECIALIZATIONS

- **Geography (HBA & HBSc),** offered as a Minor, Major and Specialist
- **Geographic Information Systems (HBSc),** offered as a Minor and a Major
- **Geocomputational Science (HBSc),** offered as a Specialist

WHY CHOOSE U OF T MISSISSAUGA FOR GEOGRAPHY?

- Geography at U of T Mississauga provides avenues for exploring the world. It is often considered the most integrative discipline, as it incorporates a myriad of ideas, concepts and topics while grounding them in real places and spaces. It is also a pragmatic discipline, in that Geography and Environment students learn a number of important and marketable skills that they can apply in finding solutions to many of the world's problems.
- Students are prepared for advanced work in a variety of important fields, including city planning, government policy, geographic information systems (GIS) and environmental analysis. The program at U of T Mississauga prepares students for advanced work in the field, and for graduate school.
- Students in the specialist program are given the opportunity to pursue an honours thesis project under the supervision of a faculty member which contributes new knowledge to the discipline. Many graduates have gone on to win prestigious awards and fellowships.
- U of T Mississauga offers a fourth-year honours thesis course designed to provide experience in the design and execution of an independent senior thesis under the supervision of a faculty member. This course allows students to learn through doing, gain research skills applicable to graduate school, build communication skills valuable to employers and earn credible reference letters.
- U of T Mississauga's Geography professors receive top marks for teaching, and have strong research reputations. Professors currently conduct research on progressive topics such as energy policy, GIS-based habitat or terrain analysis, globalization and urban restructuring, social inclusion and exclusion, urban ecology and urban form, climate change, access to health care, landscape ecology and aboriginal populations.

HANDS-ON EXPERIENCE

- Field courses: Students have the opportunity to participate in local or national field trips to places such as the Rocky Mountains.
- Modern tools: Students use industry tools such as field equipment satellite imagery, and state-of-the-art computers and software in the GIS laboratory.
- Active weather station on campus monitoring local weather conditions: Students have the opportunity to run their own project related to weather monitoring using the latest data logging instruments.

AFFILIATED STUDENT CLUB

- Student Association for Geography and Environment (SAGE)

WHAT HIGH SCHOOL PREPARATION DO I NEED?

- All programs require Grade 12 English (ENG4U) and five other Grade 12 U/M courses*
- If applying for Geography through the Social Sciences, no other prerequisites are required.
- If applying for Geography through the Chemical & Physical Sciences: Advanced Functions (MHF4U) and one of Chemistry (SCH4U) or Physics (SPH4U) are required.*
- For GIS: One Grade 12U Math*
- If applying for Geocomputational Science through Computer Sciences, Math & Statistics: Advanced Functions, Calculus, Vectors & Math of Data Management are recommended.

*This refers to courses from the Ontario curriculum. We will accept equivalent courses from other academic systems. For details, visit www.adm.utoronto.ca/adm.

WHAT COURSES DO I TAKE?

First-year

- GGR117Y5: Where On Earth?

Upper-year courses include:

Human Geography Core:

- GGR202H5: Where in Canada?
- GGR207H5: Cities, Urbanization and Development
- GGR208H5: Places and People
- GGR209H5: People, Money and Places
- GGR252H5: Marketing Geography

Specializations: Economic Geography, Energy and Society, Great Lakes; Cities in Transition, Geography of Health and Health Care; Environmental Issues in Undeveloping World; City Planning, Trade and Globalization; India and South Asia; Changing Geographies of Latin America.

Quantitative and Qualitative courses:

- GGR276H5: Spatial Data Analysis and Mapping
- GGR277H5: Social Research Methods
- GGR278H5: Geographical Information System

Specializations: Remote Sensing; Geographic Information Analysis and Processing; Communicating with Maps; Transportation Geography.

Physical Geography Core:

- GGR214H5: Global Weather and Climate
- GGR217H5: Global Water Cycle
- GGR227H5: Ecosystem & Environment change

Specializations: Soil Sciences, Biogeography; Wetlands, Landscape Biogeography, Hydrology, Landforms, Global Climate Change; Glaciers; Field Methods; Geographical Information Processing; Environmental Remote Sensing.

Specialized Research:

- GGR399Y5: Research Opportunity
- GGR417Y5: Honours Thesis

AFTER GRADUATION

- U of T Mississauga's Geography programs prepare students with strong research, communication and analytical skills along with the necessary knowledge to succeed in government, environment, teaching, consulting, business and planning.

- Geography graduates find work in some of the most dynamic areas of today's job market, including: GIS (Geographic Information Systems) specialist, cartographer, city planner, transportation modeler, hydrologist, spatial data analyst, climatologist, policy analyst, soils analyst,

- Many graduates specialize their skills by completing masters and doctoral programs.

FOR MORE INFORMATION

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Note: A course code containing a "Y" is a full-credit course that runs over two semesters (Sept. to April). A course code containing an "H" is a half-credit course that runs for one semester.

UNIVERSITY OF TORONTO MISSISSAUGA

HISTORY • HISTORY OF RELIGIONS
CLASSICAL CIVILIZATION • DIASPORA & TRANSNATIONAL STUDIES
STUDY OF WOMEN & GENDER

OUAC CODE: TMH

History at U of T Mississauga is designed to give students a comprehensive view of the world in which we live. Students may study the past in order to be better prepared to positively influence the world around us and the world within us.

The study of **History** allows students to understand the broad patterns of social development. Economic, environmental, cultural and gender history add an interdisciplinary element.

The study of the **History of Religions** explores religious traditions with intellectual openness and scholarly rigour, without evaluating their specific truth claims. The study of the History of Religions is therefore an excellent education for life in a world of social and cultural complexity. To reflect the diverse nature of Canadian society, students have the opportunity to explore many world religions, including: Buddhism, Judaism, Christianity, Islam, Hinduism and Zoroastrianism.

Traditionally, **Classical Civilization** has involved the study of ancient Greece and Rome. These are of interest both in their own right and because their achievements have been the foundation of so many aspects of our own civilization: its art, languages, literatures, philosophy and government. However, Classics at U of T Mississauga also looks at ancient cultures in Asia, Egypt and the Middle East, allowing students to gain a perspective on global civilization. Courses in Classics thus present background material that is indispensable for the understanding of many other studies in the Humanities.

Diaspora and Transnational Studies examines the historical and contemporary movements of peoples and the complex problems of identity and experience to which these movements give rise, as well as the creative possibilities that flow from movement.

The **Women and Gender Studies** program examines questions of gender in every field of study, and particularly the perspectives of women and feminist analyses. This focus, which crosses disciplinary lines, can be carried into many areas, such as Anthropology, Literature, Art, History, Linguistics, Philosophy, Politics, Psychology, Religion and Sociology.

PROGRAMS AND SPECIALIZATIONS

- **History:** offered as a Minor, Major and Specialist
- **History of Religions:** offered as a Minor, Major and Specialist
- **Classical Civilization:** offered as a Minor and a Major
- **Diaspora and Transnational Studies:** offered as a Minor and a Major
- **Women and Gender Studies:** offered as a Minor and a Major

WHY CHOOSE U OF T MISSISSAUGA?

- Students who join the Department of Historical Studies at U of T Mississauga are taught by some of the leading scholars in the world. Many of our renowned faculty members have won both national and international research awards. Our faculty members are committed to providing an exciting and stimulating intellectual journey for students. Graduates from Historical Studies will become the thinkers and leaders who will lead our globalized society in the years ahead.
- Most courses offered are half-year courses allowing students to access more topics so they can understand the interaction of all religions, histories and civilizations.
- Women and Gender Studies students compete for the *Student of the Year Award* for outstanding academic performance and activism.

- History of Religions targets U of T Mississauga's diverse and global student body, which represents the current Canadian demographic. Students come to understand the interplay and interactions between various religions, and to appreciate the plurality of approaches to the questions that have touched humankind's spirit from the dawn of time.

- Diaspora and Transnational Studies gives students the opportunity to learn about diasporic communities as well as key debates in the field.

WHAT HIGH SCHOOL PREPARATION DO I NEED?

All areas require six Grade 12 U or M courses including Grade 12 English (ENG4U).*

*This refers to courses from the Ontario Curriculum. We will accept equivalent courses from other academic systems. For details, visit www.adm.utoronto.ca/adm.

WHAT COURSES DO I TAKE?

History
- HIS101H5: Introduction to Historical Studies

Students may also take 0.5 or 1.0 additional History (HIS) credits at the 200-level:

- HIS201H5: Introduction to Middle Eastern History
- HIS203H5: The Making of the Atlantic World (1000-1800)
- HIS204H5: History Of The Ottoman Empire, 1299-1923
- HIS220H5: Introduction to Medieval History
- HIS222H5: Eastern Europe Since 1815
- HIS230H5: Introduction to European History 1300-1815
- HIS236H5: Introduction to British History
- HIS241H5: Introduction to 19th-Century European History
- HIS242H5: Introduction to Contemporary European History
- HIS250H5: Introduction to Russian History
- HIS261H5: Introduction to Canadian History
- HIS263Y5: The History of Canada
- HIS271H5: Introduction to U.S. History
- HIS272Y5: The History of the United States
- HIS282H5: Introduction to South Asian History
- HIS283H5: History of Southeast Asia
- HIS284H5: Introduction to East Asian History
- HIS290H5: Introduction to Latin American History
- HIS295H5: Introduction to African History

History of Religions
- HIS101H5: Introduction to Historical Studies
- May also take 1.0 additional Religion (RLG) credits at the 100- or 200-level.

Classical Civilization
- HIS101H5: Introduction to Historical Studies

In addition, 0.5 credits from:
- CLA101H5: Introduction to Classical Civilization
- CLA230H5: Introduction to Greek History
- CLA231H5: Introduction to Roman History
- CLA233H5: Introduction to Roman Culture & Society
- CLA237H5: Introduction to Greek Culture & Society

Diaspora and Transnational Studies
- DTS201H5: Introduction to Diaspora and Transnational Studies I

Women & Gender Studies
- WGS200Y5: Introduction to Studies of Women and Gender

AFTER GRADUATION

- Graduates will be able to knowledgeably converse about the interactions of global religions, histories and civilizations. They will be global citizens, capable of highly developed critical thinking and writing skills.

- Graduates of all of our programs often choose careers in law, government, public service, international development, academia, teaching, publishing, journalism, television, business and social justice.

FOR MORE INFORMATION

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905-569-4914
sharon.marjadsingh@utoronto.ca
www.utm.utoronto.ca/historicalstudies

Note: A course code containing a "Y" is a full-credit course that runs over two semesters (Sept. to April). A course code containing an "H" is a half-credit course that runs for one semester.

LANGUAGE STUDIES

OUAC CODE: TMH

Knowledge of another language and culture is an incredible asset for any career. Students can study a variety of languages in a supportive learning environment through interactive learning laboratories and with great professors. We offer cutting-edge courses and programs that explore various world languages and enrich many interdisciplinary departments and programs at U of T Mississauga. Our programs enable students to respond positively to the rapid diversification of Canadian society.

By stressing cultural, linguistic and critical skills, we offer students opportunities that will prepare them to succeed in further study and give them an important advantage as they pursue careers in an increasingly competitive global environment.

Teaching & Learning programs (e.g. French & Italian Teaching and Learning) are geared towards students who wish to gain an understanding of teaching methodology for further studies in Education. Students examine and assess the effectiveness of resources used in teaching and learning second languages. Teaching methodology courses are taught in English.

Language and Literature programs (e.g. French Language and Literature) allow students to learn a language and examine the cultural and historical aspects of it. The department also offers minor programs for students interested in studying a language or culture along with other subject areas (e.g. Functional French, Francophone Studies, French Studies). Studies in French or Italian offer the opportunity to study abroad during third year, in France or Italy.

The main goal of **Linguistics** is not learning language, but the study of the properties that characterize human language in terms of the cognitive processes and social aspects that lead to their acquisition. Linguistics also explores the differences and similarities between individual languages or language families. It is related to many other disciplines such as Anthropology, History, Pedagogy, Philosophy, Psychology and Sociology.

U of T Mississauga's Linguistic program is offered as a Minor and a Major and is taught in English.

PROGRAMS AND SPECIALIZATIONS

- French & Italian Languages
- French & Italian Teaching and Learning
- French Language & Literature
- French Language & French Linguistics
- French Language Teaching & Learning
- Italian Teaching & Learning
- Linguistics

WHY CHOOSE U OF T MISSISSAUGA FOR LANGUAGE STUDIES?

Students interested in studying languages at U of T Mississauga benefit from a highly interconnected department with dedicated professors. Our award-winning faculty take a progressive and student-centered approach to teaching and learning by developing interactive ways to acquire a new language. For instance, the software developed by U of T Mississauga professors, which is used in our language labs, is now used all over North America in language classrooms. The department also offers scholarships for students entering language programs, as well as in-course prizes.

The department has established a special connection with the local community by offering activities and events, such as concerts, speakers, annual student recognition awards ceremony and sessions. Our annual Italian play, performed and produced by U of T Mississauga language students, always draws a full house. The department also hosts annual language contests for high school students.

HANDS-ON EXPERIENCE

- Innovative language labs where students get immediate feedback from language learning software (e.g. simple Italian grammatical exercises).
- Language programs allow students to study abroad to get a true taste of the language and culture.
- Senior students often assist professors in developing resources, research and producing newsletters.
- Small class sizes allow students to interact closely with professors and graduate students and get ample opportunity to practice speaking in the languages being studied.
- U of T Mississauga offers language courses tailored to students with different levels of language proficiency (e.g. French courses designed for students with no previous experience versus courses designed for students with increased proficiency in French).
- Language teaching courses allow students to apply teaching techniques learned in class in a supportive U of T Mississauga environment.
- Gain experience assisting a professor in original research in the Research Opportunity Program.

WHAT HIGH SCHOOL PREPARATION DO I NEED?

- Six Grade 12 U/M courses including English (ENG4U).*
- French is recommended for all French programs (FSF4U or FIF4U).*
- Italian is recommended for all Italian programs (LWI or LWJ).*

*This refers to courses from the Ontario curriculum. We will accept equivalent courses from other academic systems. For details, visit www.adm.utoronto.ca/adm.

WHAT COURSES DO I TAKE?

Note: A course code containing a "Y" is a full-credit course that runs over two semesters (Sept. to April). A course code containing an "H" is a half-credit course that runs for one semester.

Language programs may be completed in a variety of forms, depending on the student's preference. Here are some examples of first-, second- and third-year courses:

For studies in Italian:
- ITA100Y5: Italian for Beginners
- ITA200Y5: Continuing Italian
- ITA231H5: Italian Literature Through the Ages I
- ITA247Y5: Contemporary Italian Cinema
- ITA313Y5: Italian Theatre: Text and Performance

For studies in French:
- FRE180Y5: Introduction to French Studies
- FSL205H5: Functional French III
- FRE240Y5: Introduction to Literary Analysis
- FRE272Y5: The Structure of Modern French: An Introduction
- FRE280Y5: Advanced Language Practice II: Written and Oral

For studies in Linguistics:
- LIN100Y5: Introduction to General Linguistics
- LIN203H5: English Words Through Time and Space
- LIN211H5: Linguistics and Poetics
- LIN228H5: Phonetics
- LIN366H5: Contact Languages: Pidgins, Creoles and Mixed Languages

Other language courses are offered, including Latin, Persian, Spanish, Arabic, Hindi, Sanskrit and Modern Standard Chinese.

AFTER GRADUATION

Past graduates have pursued many career paths, including: business, journalism, speech language pathology, teaching, translation, foreign affairs, government, social services, trade and law.

Some students also continue studying language and culture in graduate school.

FOR MORE INFORMATION

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www.utm.utoronto.ca/languages

LIFE SCIENCES (BIOLOGY)

OUAC CODE: TML

Life Sciences is a general term for science programs that are biologically-oriented – everything from the study of plants and animals and how they have evolved and adapted over time, to the molecular basis of life. All Life Science programs lead to an Honours Bachelor of Science (Note: Anthropology can also be studied as a Social Science, which would lead to an Honours Bachelor of Arts).

PROGRAMS AND SPECIALIZATIONS

- Anthropology
- Biology
- Biology for Health Sciences
- Biomedical Communications
- Biotechnology
- Behaviour, Genetics and Neurobiology
- Comparative Physiology
- Ecology & Evolution
- Molecular Biology

U of T Mississauga also offers a number of unique and interdisciplinary programs relating to Biology:

- Bioinformatics (offered through Computer Science, Mathematics & Statistics)
- Paleontology (offered through Biology Department)

WHY CHOOSE U OF T MISSISSAUGA FOR LIFE SCIENCES?

U of T Mississauga's small campus setting allows students to learn in small class sizes (fourth-year courses typically have fewer than 35 students) and get to know their professors. Most professors have active research programs and we have recently added to our already stellar departments with new professors who conduct research and teach classes in rapidly developing areas like behavioural genetics and landscape ecology. U of T Mississauga is fortunate to have a beautiful forested area surrounding the campus where students often conduct ecological research. Student research on campus has involved studies of fish and plankton populations in our two campus ponds; bird, mammal, amphibian, insect and fungal populations in the campus forest; and important plant species and insects in old field and grassland habitats. Students also conduct research and experiments in our labs and greenhouse.

HANDS-ON EXPERIENCE

- Successful upper-year students mentor new students by helping them understand how to gain the most from their lectures and study periods.

- Students in second and third years can earn credit doing research with professors on campus through the Research Opportunity Program (BIO299Y5 and BIO399Y5). Students have an opportunity to learn research methods and share in the excitement of acquiring new knowledge.

- U of T Mississauga fourth-year thesis (BIO481Y5) students conduct a research project under the supervision of a faculty member in the Department of Biology.

- Lab courses are offered in a number of different areas to familiarize students with techniques and experimental design. For example, in the Lab for Molecular Biology and Genetics, students learn such techniques as DNA restriction analysis and DNA finger-printing. In the same lab course, students learn about genetics first-hand through research involving fruit flies (*Drosophila melanogaster*).

- Field courses allow students to apply what they learn in class to data collection and research outside the classroom. Some field courses take place locally in Ontario while others may occur in another country or province.

- Senior students may participate in internships for academic credit (BIO400Y5). Depending on the students' interests, projects and settings range from

the lab to office work in industry, government or hospitals. Students interested in health care benefit from the many affiliations U of T holds with the hospitals in the Greater Toronto Area.

AFFILIATED STUDENT CLUBS

- Erindale Biology Society (EBS)
- Erindale Environmental Association (EEA)
- Pre-Dental Society (PDS)
- Pre-Med Club
- Pre-Optometry Society at U of T Mississauga

WHAT HIGH SCHOOL PREPARATION DO I NEED?

For entry into first year studies in Life Sciences, students need six Grade 12 U/M courses including: English (ENG4U),* Advanced Functions (MHF4U),* Biology (SBI4U)* and Chemistry (SCH4U).*

*This refers to courses from the Ontario Curriculum. We will accept equivalent courses from other academic systems. For details, visit www.adm.utoronto.ca/adm.

WHAT COURSES DO I TAKE?

All first-year Life Sciences students take these core courses:

- BIO152H5: Introduction to Evolution and Evolutionary Genetics
- BIO153H5: Diversity of Organisms
- CHM1105h: Chemical Principles 1
- CHM120H5: Chemical Principles 2
- MAT134Y5: Calculus for Life Sciences

After second year, courses become more specific depending on which program students choose.

Note: A course code containing a "Y" is a full-credit course that runs over two semesters (Sept. to April). A course code containing an "H" is a half-credit course that runs for one semester.

AFTER GRADUATION

Career opportunities include teaching, and governmental research in areas such as conservation and natural resources, and within industries such as pharmaceuticals and biotechnology. Many graduates pursue further education toward MSc or PhD degrees, or gain entrance into professional schools (e.g. dentistry, medicine, pharmacy, occupational therapy, medical radiation sciences).

Students interested in Biotechnology may be interested in U of T's Master of Biotechnology program, which operates from U of T Mississauga. Students gain the appropriate mix of science and business courses, coupled with real time experience and analytical skills.

FOR MORE INFORMATION

Department of Biology
Undergraduate Advisor
905-828-3999
www.utm.utoronto.ca/biology

Master of Biotechnology program:
www.utm.utoronto.ca/mbiotech

Biomedical Communication Program
www.bmc.med.utoronto.ca/bmc/

UNIVERSITY OF TORONTO MISSISSAUGA

PHILOSOPHY
PHILOSOPHY OF SCIENCE • LOGIC

OUAC CODE: TMH

WHAT IS PHILOSOPHY?

Philosophy analyzes the arguments in response to fundamental questions such as: Is it always wrong to lie? Are people inherently selfish? Is morality universal? Is anything real? Does life have a transcendent purpose?

Philosophy at U of T Mississauga allows students to pursue specialization in Philosophy, Philosophy of Science and Logic.

WHAT IS PHILOSOPHY OF SCIENCE?

Philosophy of Science studies the foundations of the sciences. This is a good program to complete with a science program.

WHAT IS LOGIC?

Logic involves people working in math and philosophy to co-ordinate resources in order to conduct research and solve problems.

PROGRAMS AND SPECIALIZATIONS

Philosophy: offered as a Minor, Major and Specialist
Philosophy of Science: offered only as a Minor
Logic: offered as a Major

WHY CHOOSE U OF T MISSISSAUGA FOR PHILOSOPHY, PHILOSOPHY OF SCIENCE AND LOGIC?

- Logic at U of T Mississauga combines courses from Philosophy, Mathematics and Computer Science. This combination of courses is unique at U of T.
- U of T Mississauga provides extra teaching assistants for intensive philosophy writing courses. This allows students to submit drafts online for feedback before due dates.
- U of T Mississauga includes students on the interviewing panel when hiring professors for philosophy.
- U of T Mississauga Philosophy Student Club: discussion, debating and film screening.

AFFILIATED STUDENT CLUBS

- Philosophy Academic Society

WHAT HIGH SCHOOL PREPARATION DO I NEED?

Philosophy and Philosophy of Science
- Grade 12 English (ENG4U) and five other Grade 12 U/M courses.*

Logic
- Grade 12 English (ENG4U).*
- Advanced Functions (MHF4U) and Calculus & Vectors (MCV4U).*

*This refers to courses from the Ontario Curriculum. We will accept equivalent courses from other academic systems. For details, visit www.adm.utoronto.ca.

WHAT COURSES DO I TAKE?

Philosophy
- PHL105Y5: Introduction to Philosophy
- PHL202H5: Ancient Philosophy
- PHL210Y5: 17th- and 18th-Century Philosophy

Philosophy of Science
- PHL105Y5: Introduction to Philosophy and three courses from:
- AST101H5: Solar System Astronomy
- AST201H5: Stars and Galaxies
- PHY205H5: Clocks, Quanta & Chaos
- PHY206H5: The Physics of Everyday Phenomena

Logic
- CSC148H5: Introduction to Computer Science
- MAT135Y5: Calculus or MAT137Y: Calculus

Upper-year Courses
Here are some upper-year courses to consider:
- PHL332H5: Issues in Metaphysics
- PHL341H5: Practical Reason and Human Action
- PHL350H5: Philosophy of Language
- PHL355H5: Issues in Philosophy of Science
- PHL375H5: Contemporary Moral Philosophy
- PHL451H5: Language & Logic

AFTER GRADUATION

- Students will be able to recognize and critically analyze how philosophical theories influence popular culture.

- Students have developed excellent communication skills.

- Philosophy students statistically score higher on the Law School Aptitude Test (LSAT) than students of other programs, so many philosophy students succeed at law.

- Philosophy graduates also pursue careers as teachers, professors, marketing researchers, journalists, economists, human resource managers, librarians and editors.

- Students interested in graduate studies in Logic should complete an undergraduate degree in Math or Philosophy.

FOR MORE INFORMATION

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www.utm.utoronto.ca/philosophy

Note: A course code containing a "Y" is a full-credit course that runs over two semesters (Sept. to April). A course code containing an "H" is a half-credit course that runs for one semester.

UNIVERSITY OF TORONTO MISSISSAUGA

POLITICAL SCIENCE
SOCIOLOGY • CRIME, LAW & DEVIANCE

OUAC CODE: TMS

Political Science is the systematic study of politics. It is more than discussing who won the last election and who will win the next one. Politics is about power and Political Science studies the power struggles that lead to policies and issues such as rising tuition and the war in Iraq. Political Science students can explain how bureaucracies work; how great powers rise and fall; the difference between an effective public policy and a misguided one; how to design an unbiased opinion poll; and what factors shape international decision-making.

Political Science students also factor into their analysis philosophical questions such as who ought to rule? What is legitimacy? Are liberty and equality compatible?

PROGRAMS AND SPECIALIZATIONS

- Offered as a Minor, Major and Specialist
- Political Science & History
- International Affairs

WHAT COURSES DO I TAKE?

First-year

- POL111H: Canada in Comparative Perspective
- POL112H: Democracy in Theory and Practice
- POL113H: Ideas and Ideologies
- POL114H: Politics in the Global World

- One course from two of the following three fields: Comparative Politics, International Relations or Public Policy & Public Administration.

- The specific content of any 100-level course and the approach taken in it will vary from year to year depending on the instructors. For example, in one year POL114H5 might focus on international relations and in the following year it might look in detail at a particular region of the world. Similarly, in one year a course might be taught through extensive use of films and novels and the next year it might rely primarily on academic texts.

Some interesting upper-year courses

- POL208Y: Introduction to International Relations
- POL214Y: Canadian Government and Politics
- POL218Y: Introduction to Comparative Politics
- POL320Y: Modern Political Thought

WHY CHOOSE U OF T MISSISSAUGA FOR POLITICAL SCIENCE?

- Students benefit by customizing their degrees to their personal interests and learning the latest topics in politics with the latest teaching methods.

- Students can complete a project through the Research Opportunity Program with a professor for academic credit.

- Annual student evaluations of professors, even in large courses.

- Senior U of T Mississauga Political Science professors are known internationally. For example: **Professor Ronald Beiner** is a leading political philosopher on liberalism. He has written several well-known books on political philosophy and often lectures at leading universities in the United States and Europe.

WHAT HIGH SCHOOL PREPARATION DO I NEED?

Six Grade 12 U or M courses including English (ENG4U). This refers to courses from the Ontario Curriculum. We will accept equivalent courses from other academic systems. For details, visit www.adm.utoronto.ca/adm.

AFTER GRADUATION

Political Science graduates do not typically go on to become professional politicians. They often proceed to further studies in law, journalism or careers in the civil service and government-business relations. Political Science graduates find careers that require analytical, research, communication, time management and writing skills.

SOCIOLOGY • CRIME, LAW AND DEVIANCE

Sociologists study how families work; how individuals change throughout life; how norms and laws are made, broken, enforced and changed; how inequalities of gender, class and race emerge, continue and change; how cities, regions, nations and international institutions work as organized sets of relationships; how power is exercised and resisted; how individuals, groups and organizations communicate; and more. **Sociology** is excellent preparation for a range of careers as well as for becoming a professional sociologist. Other professions such as teaching, law, medicine, architecture and management seek out students with degrees in sociology.

WHAT IS CRIME, LAW & DEVIANCE?

This program provides a broad foundation for students, with an academic, professional or civic interest in issues of crime and its control. The program is excellent preparation for careers in law, criminal justice and particularly with research in the area of criminal justice. This includes research for police, for the Ministry of the Attorney General and other public and private organizations that engage in research concerning law, criminality and its adjudication and administration.

PROGRAMS AND SPECIALIZATIONS

- **Sociology:** Offered as a Minor, Major and Specialist
- **Crime, Law and Deviance:** Offered as a Major and Specialist

WHY CHOOSE SOCIOLOGY/CRIME, LAW & DEVIANCE?

- Most sociology courses are half-year, so students have more choice, variety, and gain broader knowledge.
- Introductory Sociology provides, in addition to the course instructor, teaching assistants, mentors and facilitated study groups.
- Extensive website supplements lectures and provides other various resources: www.utm.utoronto.ca/sociology
- Independent Research courses available.
- Seminar courses in the fourth year.

Among the many areas in which faculty have expertise are: globalization; race and ethnicity; criminal justice; sociology of law; public policy; socio-biology; culture, mass communication and mass media; gender and sexuality; and industrial sociology.

HANDS-ON EXPERIENCE

A wide range of Research Opportunity Programs are available where students learn research methods and share in the excitement and discovery of acquiring new knowledge while obtaining academic credit.

AFFILIATED STUDENT CLUB

- Sociology and Criminology Student Union

WHAT HIGH SCHOOL PREPARATION DO I NEED?

All areas: Six Grade 12 U/M Courses including Grade 12 English (ENG4U). (This refers to courses from the Ontario Curriculum. We will accept equivalent courses from other academic systems. For details, visit www.adm.utoronto.ca/adm.)

WHAT COURSES DO I TAKE?

Sociology

- First year: SOC100H5: Introduction to Sociology
- First or second year: SOC221H5: The Logic of Social Inquiry; SOC222H5: Measuring Society

Crime, Law and Deviance

- First year: SOC100H5: Introduction to Sociology
- First or second year: SOC211H5: Deviance and Social Control; SOC221H5: The Logic of Social Inquiry; SOC222H5: Measuring Society

AFTER GRADUATION

Teaching, law, public policy, parole, corrections, law enforcement, health, public opinion research, social services, labour relations, child welfare/youth justice, social work.

FOR MORE INFO ON POLITICAL SCIENCE

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FOR MORE INFO ON SOCIOLOGY/CRIME, LAW & DEVIANCE

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UNIVERSITY OF TORONTO MISSISSAUGA

PROFESSIONAL WRITING & COMMUNICATION

OUAC CODE: TMC

Professional Writing and Communication (PWC), an interdisciplinary program, articulates principles of human communication and considers the way these principles apply in professional, personal, artistic, academic and public settings. PWC specializes in nonfiction prose, including creative nonfiction. Students learn fundamentals of excellent prose by writing and editing autobiographical narratives in Expressive Writing, the entry course, and go on in upper level courses to extend their learning through diverse, self-designed writing projects. Students develop style and voice and learn to base their writing in original research. PWC offers opportunities to explore communications in a range of disciplines.

HOW DO PWC CLASSES WORK?

PWC features small (maximum 35), interactive workshop-style classes. Students work with hands-on, real-world writing, project design, research, editing, document design and publishing. Many students publish work while they are in the program. Courses encourage students to recognize the subject matter in their own lives and communities. Students learn to combine original primary research (research that may come out of situations students know and observe directly) with secondary research (research published by others). Most courses operate with a portfolio system – that is, students continually edit and revise work as they build the quality of their writing portfolios.

PROGRAMS AND SPECIALIZATIONS

- Offered as a Major (to be combined with one other Major) or as a Minor

WHY CHOOSE U OF T MISSISSAUGA FOR PROFESSIONAL WRITING & COMMUNICATION?

- PWC is a distinctive U of T Mississauga program, found only on this U of T campus.

- The program features outstanding faculty, innovative teaching, internship opportunities, publication opportunities, hands-on editing and an excellent record of graduate placements in graduate and professional schools, and writing careers.

AFFILIATED STUDENT CLUBS

- Club PWC: www.clubpwc.com
- *Mindwaves*, a magazine of new writing distributed across three University of Toronto campuses and in bookstores.

WHAT HIGH SCHOOL PREPARATION DO I NEED?

Six Grade 12 U or M courses including English (ENG4U). This refers to courses from the Ontario Curriculum. We will accept equivalent courses from other academic systems. For details, visit www.adm.utoronto.ca/adm.

WHAT COURSES DO I TAKE?

The first PWC course students take is: WRI203H5: Expressive Writing. This course is a prerequisite for all other PWC courses.

Other writing courses students may take include:

- WRI303H5: Specialized Prose
- WRI307H5: Science and Writing
- WRI310H5: Social and Professional Languages
  WRI320H5: History and Writing
- WRI325H5: Community and Writing
- WRI327H5: Writing in Social Media: The Impact of Web 2.0

- WRI330H5: Oral Rhetoric
- WRI340H5: Critical Reading and Listening
- WRI360H5: Finance and Writing
- WRI370H5: Writing about Place
- WRI375H5: Writing about Environment & Ecology
- WRI380H5: Documentary Scripting and Production for Electronic Media
- WRI390H5: Independent Studies
- WRI392H5: Research and Writing
- WRI395H5: Re-languaging: Writing Across Cultures and Languages
- WRI410H5: Professional Writing and Communication Internship I
- WRI411H5: Professional Writing and Communication Internship II
- WRI420H5: Making a Book
- WRI430H5: Journalistic Investigation
- WRI450H5: Collaborative Writing

Electives from other disciplines that students may take include:

- ANT204Y5: Sociocultural Anthropology
- ANT206H5: Culture and Communication: Introduction to Linguistic Anthropology
- CCT260H5: Web Culture and Design
- CCT354H5: Theory and Practice for Documentary Film Making
- HSC300H5: Health Sciences Communication
- HSC302H5: Biocommunication Visualization
- LIN200H5: Introduction to Language
- PHL247H5: Critical Reasoning
- PHL350H5: Philosophy of Language
- PSY315H5: Language Acquisition
- PSY374H5: Psychology of Language
- SOC309H5: Sociology of Mass Communication

AFTER GRADUATION

Graduating students leave the program with substantial portfolios that demonstrate their abilities and accomplishments. Employers, graduate schools and professional schools embrace the writing credential PWC offers. A PWC degree adds value to other professional and academic credentials.

PWC graduates take their specialized education and experience into many areas:

- freelance writing and editing
- book publishing
- magazine writing and editing
- journalism, including print, television and radio
- web communications
- graduate studies in Professional Writing, journalism, history of media, communications, creative writing
- professional schools in law, medicine, journalism, education, biotechnology, business
- technical and scientific writing
- business, public sector work, environmental organizations

FOR MORE INFORMATION

Lisa Peden
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www.utm.utoronto.ca/pwc

Note: A course code containing a "Y" is a full-credit course that runs over two semesters (Sept. to April). A course code containing an "H" is a half-credit course that runs for one semester.

PSYCHOLOGY

OUAC CODE: TMP

Psychology is the science that examines all aspects of behaviour in humans and animals – from acquisition of memory and development of behaviour to the mechanisms that underlie behaviour. Emphasis is on cognitive, social, physiological and genetic aspects of behaviour. As a science program, students study behaviour objectively through empirical research methods. Psychology programs typically lead to an Honours Bachelor of Science degree.

PROGRAMS AND SPECIALIZATIONS

Currently, students interested in studying psychology at the specialist level have three options:

- **Psychology:** Students take courses in all major areas of psychology with a special emphasis on research methods. This program provides excellent preparation for graduate studies in psychology.
- **Behaviour, Genetics and Neurobiology** (joint with Biology): Considers the physiological and genetic contributions to behaviour. An excellent theoretical and empirical background for graduate studies in behavioural neuroscience, behaviour genetics and related fields.
- **Exceptionality in Human Learning:** Focuses on typical and atypical development from an interdisciplinary perspective. Includes courses in child development, abnormal psychology and disability. Includes a senior-year internship. This program provides excellent preparation for careers in areas such as education, social work and occupational therapy.

WHY CHOOSE U OF T MISSISSAUGA FOR PSYCHOLOGY?

U of T Mississauga offers a wide array of psychology courses taught by an established department of high caliber professors who conduct cutting-edge research on campus. Students stay current on relevant subject areas through new courses that reflect shifts and changes in the field.

HANDS-ON EXPERIENCE

- The *Introduction to Psychology* course has a laboratory component that allows students to learn fundamental psychological principles through computer-based experiments and simulations. For example, students train a virtual rat named "Sniffy" through a computer program developed by U of T Mississauga professors. "Sniffy" is now used in psychology classes across North America.
- Upper-year lab courses teach students research methodology and data analysis via class projects.
- A limited number of second-year students work closely with professors through the Research Opportunity Program.
- Independent research and thesis courses allow students to work independently under a faculty supervisor to conduct a major research project and present their findings. Many student projects are published in academic journals.
- A limited number of paid work opportunities are available through the Work Study Program.
- The Exceptionality in Human Learning practicum course allows students to work with children and adults with disabilities in local schools and social services settings.

- Small fourth-year seminars allow students to interact closely with professors and graduate students.

AFFILIATED STUDENT CLUBS

- Psychology Association of Undergraduate Students of Erindale (PAUSE)

WHAT HIGH SCHOOL PREPARATION DO I NEED?

Six Grade 12 U/M courses including 12U English (ENG4U), plus one 12U Math is required (Data Management recommended). Biology (SBI4U) is recommended.*

Plus:

- for **Behaviour, Genetics and Neurobiology**: Advanced Functions (MHF4U), Biology (SBI4U) and Chemistry (SCH4U) are required; Physics (SPH4U) is recommended.*

*This refers to courses from the Ontario Curriculum. We will accept equivalent courses from other academic systems. For details, visit www.adm.utoronto.ca/adm.

WHAT COURSES DO I TAKE?

In First Year:

- All students take Introduction to Psychology (PSY100Y5).

- Students in Behaviour, Genetics and Neurobiology – take Biology, Calculus, Chemistry (BIO152H, BIO153H5, MAT134Y5, CHM140Y5).

- Students in Exceptionality in Human Learning take additional science and/or social science courses, in either Anthropology, Biology or Sociology.

AFTER GRADUATION

Students interested in advanced study (e.g. medicine, clinical psychology, law, speech language pathology, occupational therapy, social work) typically pursue Specialist undergraduate programs. U of T Mississauga programs provide excellent preparation for graduate studies.

Students who pursue careers after graduation find themselves in a variety of areas including marketing, human resources, education, social services, government, and academic and industry research & development laboratories.

FOR MORE INFORMATION

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Undergraduate Director and Faculty Advisor
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Note: A course code containing a “Y” is a full-credit course that runs over two semesters (Sept. to April). A course code containing an “H” is a half-credit course that runs for one semester.

THEATRE & DRAMA STUDIES
THEATRE, DRAMA & PERFORMANCE STUDIES

OUAC CODE: THEATRE & DRAMA STUDIES (TMT) • THEATRE, DRAMA & PERFORMANCE STUDIES (TMH)

Theatre, Drama & Performance is the study of the relationship between the artists who create written texts intended for production, the artists who turn scripts into performances, and the audiences who experience the resulting theatrical event. Theatre is both the event itself, and the acts of creation involved in producing that event.

PROGRAMS AND SPECIALIZATIONS

U of T Mississauga offers two programs that focus on the dramatic arts:

- **Theatre & Drama Studies** and
- **Theatre, Drama & Performance Studies**.

Theatre & Drama Studies, offered jointly with Sheridan Institute of Technology and Advanced Learning, involves the study of plays, actors, theatres, designers and audiences from the classical Greek stage to the most modern experimental performance. We give students the opportunity to earn a two-year (equivalent) conservatory diploma in professional actor-training from Sheridan within a specialist degree in theatre history, theory and literature from U of T. This high-powered combination program prepares students for a career on the stage or behind the scenes in the professional theatre world, or for drama teaching at the high school or university level.

Theatre, Drama & Performance Studies is for students who are interested in a broadly-based interdisciplinary study of performance as a medium for creative communication, that does not include professional actor-training. This intensive academic program combines courses in performance history, theory and dramaturgy, as well as a range of courses in film studies and dramatic literature drawn from across the humanities disciplines. All courses are taken at U of T Mississauga.

WHY CHOOSE U OF T MISSISSAUGA FOR THEATRE & DRAMA STUDIES?

Professional training

- An intensive program in which students get both on-stage and behind-the-scenes training
- Combines courses in history and theory with courses in theatre practice
- Studio courses are taught at Sheridan by instructors in its well-established and highly-professional complex of Theatre programs

Extensive, hands-on experience

- Theatre & Drama Studies students participate in a season of five productions each year at our state-of-the-art Erindale Studio Theatre.
- First- and second-year students are involved backstage or front of house – working with props, lighting, sound, or as ushers.
- Third- and fourth-year students act and can be dance, fight, or music captains.
- Each senior student is cast in at least two roles per year.
- Third-year students perform in The Junior Project, which is performed individually and is based on the actor's greatest acting challenges. It is performed in front of the entire program, critiqued by a panel of judges and makes up a major component of their final grade.
- Senior students receive one-on-one tutorial time with faculty to polish performance pieces.
- Students learn set production through carpentry workshops and participate in prop, costume, lighting and sound labs.

Extensive collection of costumes, props and equipment

- Approximately 300 costumes used per season
- One of the largest sound effects collections in Canada

On-Campus Theatres

- Erindale Studio Theatre: Can be converted into all theatre types (black box, in the round) — and is used

by local and touring professional theatre, dance and music groups.

- Multimedia Studio Theatre at U of T Mississauga is used as classroom and auxiliary production space.

AFFILIATED STUDENT CLUBS

All students in both Theatre & Drama and Performance, Theatre & Drama Studies have the opportunity to participate in the Drama Club as well as the *On the Fringe* festival in which they can produce, direct and/or act.

WHAT HIGH SCHOOL PREPARATION DO I NEED?

- Six Grade 12 U or M courses, including English (ENG4U).*
- Audition required for Theatre & Drama Studies.
- No audition required for Theatre, Drama & Performance Studies.

*This refers to courses from the Ontario Curriculum. We will accept equivalent courses from other academic systems. For details, visit www.adm.utoronto.ca/adm.

AUDITION REQUIREMENTS

The audition assesses current acting skills by having applicants perform:

- two contrasting, prepared monologues: one from a classical play (Shakespeare preferred); and one from a full-length, 20th-century play by an established playwright (Canadian preferred).
- one verse of any song (unaccompanied)
- one on-the-spot improvisation

Specific instructions regarding the development and presentation of these items will be forwarded to eligible applicants when they make their audition appointment.

WHAT COURSES DO I TAKE?

U of T Mississauga courses

- DRE/ENG121H5: Traditions of Theatre & Drama
- DRE/ENG122H5: Modern and Contemporary Theatre and Drama
- Performance and Theatre students only take U of T Mississauga courses

Sheridan courses

- DRS121H5: Acting 1
- DRS121H5: Acting 2

Other upper-year courses include:

- DRE200H5: Canadian Theatre History
- DRE352H5: Stage to Screen
- DRE362H5: Playwriting

AFTER GRADUATION

With follow-up study, graduates have the following career options: professional acting, directing, writing, set design; postgraduate research, criticism and scholarship; community recreation; theatre criticism, arts journalism; and secondary school or university drama teaching.

FOR MORE INFORMATION

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VISUAL STUDIES

OUAC CODE: TEV

The new Visual Studies department offers four programs that will challenge those with a creative spirit to reach their highest potential.

As a joint program with Sheridan Institute of Technology and Advanced Learning, **Art & Art History** emphasizes the hands-on creativity of studio art and the research perspective of art history. Students explore contemporary ideas, practices, and materials in art studios at Sheridan, while history and theory courses taken at U of T Mississauga examine the art and architecture of a range of past and current cultures and traditions. Art & Art History provides a unique opportunity for students to create, analyze and interpret visual imagery. At the same time, the program's rigorous university standards ensure that students gain traditional skills in reading, writing and verbal expression.

The **Art History** programs balance traditional methods of analysis and interpretation with newer approaches rooted in critical theory. Since works of architecture, sculpture, painting and other arts eloquently testify to the values and priorities of the societies that created them, art history provides a key to understanding human cultures. Students understand how historical processes created and demanded works of art, and in turn, how those works of art define a period of time and culture.

PROGRAMS AND SPECIALIZATIONS

- **Art & Art History:** Offered as a Major and as a Specialist
- **Art History:** Offered as Major, Minor & Specialist
- **Cinema Studies**, offered as a Minor, allows students to understand film, its properties, aesthetics, and impact on culture and society.
- **Visual Culture & Communication (VCC):** Students interested in visual arts and design may also wish to consider this specialization.

WHY CHOOSE U OF T MISSISSAUGA FOR ART & ART HISTORY?

Students take advantage of the latest technology at our state-of-the-art CCT building.

Art & Art History graduates receive two prestigious and practical credentials that reflect the program's dual focus:

- Honours Bachelor of Arts from U of T
- Diploma in Art & Art History from Sheridan

Students benefit from studying with high calibre, creative and active U of T Mississauga professors who have received training from some of the most prestigious universities in the world.

The **Blackwood Gallery,** our on-campus art gallery, is an award-winning, internationally-recognized gallery that showcases some of the most advanced and interesting contemporary artists from around the world. Each year, the gallery features the work of graduating students from the Art & Art History program.

Students in Art & Art History take advantage of the drawing and painting studios at Sheridan's **Annie Smith Arts Centre,** where they have their own studio cubicles, gain hands-on experience, and develop close friendships with their peers.

Our programs emphasize the importance of both traditional and digital photography in the study of art. This commitment is supported by full-time faculty dedicated to photography.

Students can take full advantage of public art galleries (e.g. Art Gallery of Ontario), museums (e.g. Royal Ontario Museum), artist-run centres (e.g. Toronto Photographers Workshop), small press and artist production facilities (e.g. Open Studio), as well as the many private galleries in Toronto.

Students use the Fine Art Digital Imaging Systems, a growing online database of images used in class. The

system allows students to study and complete independent quizzes, both on and off campus.

HANDS-ON EXPERIENCE

Intensive studio art courses and regular access to modern studio facilities allow students to develop and refine practical skills while additional work experiences and opportunities are also available. These include:

- The Blackwood Gallery work-study opportunities
- U of T Visual Resource Library work study
- Professors hire students to conduct research

AFFILIATED STUDENT CLUB

- FASA — Fine Art Student Association

WHAT HIGH SCHOOL PREPARATION DO I NEED?

For both Art & Art History and Humanities: Grade 12 English (ENG4U) plus five other Grade 12 credits (Ontario U or M courses).*

No portfolio is required for Art & Art History. Students with strong academic records and little studio background have flourished in the program, as have students with studio experience, so a portfolio and high school art experience are not required.

*This refers to courses from the Ontario Curriculum. We will accept equivalent courses from other academic systems. For details, visit www.adm.utoronto.ca/adm.

WHAT COURSES DO I TAKE?

Here is a sample of courses a student enrolled in Art & Art History can take:

First Year

- VST100H5: Introduction to Visual Studies 1
- VST101H5: Introduction to Visual Studies 2
- FAH202H5: Introduction to Art History
- FAS143H5: Drawing 1*
- FAS147H5: Photography 1*
- FAS145H5: Painting 1*
- FAS146H5: Design 1*

Second Year

- FAH204H5: Roman Art and Architecture (HUM)
- FAH279H5: Baroque Art and Architecture
- FAH288H5: Art of the Earlier 20th Century
- FAS232H5: Print Media 1*
- FAS248H5: Sculpture 1*

Upper Years

- FAS234H5: Print Media 2*
- FAH353H5: Rome in the Age of Bernini
- FAS330Y5: Experimentation in Past and Present Techniques*
- FAS334Y5: Print Media 3*

* = Courses taken at Sheridan

AFTER GRADUATION

Art & Art History students choose many paths, including:

- Teaching at the primary, secondary and post-secondary level.
- Graduate studies in studio art, art history, conservation, or related fields in the humanities, leading to an MFA, MA or PhD. Others combine their love of art with science, and enter programs such as our Masters of Biomedical Communications.
- Graduates have flourished in commercial art, including graphic design, advertising, illustration, web design and art direction.

FOR MORE INFORMATION

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MORE INFORMATION: WEB LINKS

PROSPECTIVE STUDENTS

www.utm.utoronto.ca/prospective

RESIDENCE

www.utm.utoronto.ca/housing

MEAL PLANS

www.utm.utoronto.ca/food

TOURS

www.utm.utoronto.ca/tours

INTERNATIONAL STUDENTS

www.utm.utoronto.ca/international

ATHLETICS AND RECREATION

www.utm.utoronto.ca/athletics

OFFICE OF THE REGISTRAR

www.utm.utoronto.ca/reg

ACADEMIC COURSE CALENDAR

www.utm.utoronto.ca/regcal

FINANCIAL AID, AWARDS AND SCHOLARSHIPS

www.utm.utoronto.ca/awards

CAREERS BY MAJOR

www.utm.utoronto.ca/careers/careers_by_major.html

UNIVERSITY OF TORONTO MISSISSAUGA

FOR MORE INFORMATION ON BECOMING A STUDENT AT U OF T MISSISSAUGA, PLEASE VISIT WWW.UTM.UTORONTO.CA/PROSPECTIVE

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