

## INTERNATIONAL UNDERGRADUATE ADMISSION BULLETIN



2014/2015

# **UNIVERSITY OF TORONTO International Undergraduate Admission Information 2014/15**

Established in 1827, the University of Toronto is one of the oldest and most internationally recognized universities in North America. Canada's largest university takes pride in a tradition of excellence. No other Canadian university offers as great a diversity of programs and resources. Academic excellence is the prime goal, but the importance of the total university experience is also recognized. Student enrolment is 80,000; the faculty numbers 11,581.

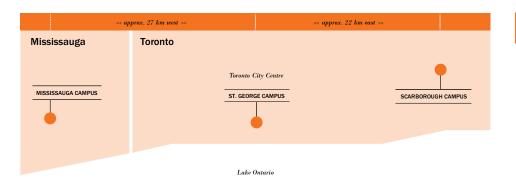
Mong the University's many outstanding resources is its library system, rated one of the top five in North America. More than 40 libraries contain the most comprehensive collection of research material in Canada. There is residence space for over 8,858 students, a health service, an advisory bureau, an international student centre, a career centre, a housing service, restaurants, bookstores, athletic and recreation facilities and facilities for music, theatre and debate.

#### LOCATION

Toronto is one of the friendliest and safest cities in the world. There are three locations at which students may study. U of T St. George is located in the heart of downtown Toronto; U of T Scarborough is 22 km (14 miles) to the east of U of T St. George; and U of T Mississauga is 27 km (17 miles) to the west of U of T St. George. All three campuses offer studies in arts, science and business; most of the professional faculties are located at U of T St. George.

#### FOR MORE INFORMATION

Enrolment Services 172 St. George Street Toronto, ON, Canada M5R OA3 Tel: 416 978 2190 Web: www.adm.utoronto.ca discover.utoronto.ca



## **VISIT US**

U OF T ST. GEORGE 416 978 5000 www.uoft.me/stgeorgetours

U OF T MISSISSAUGA 905 828 5400 www.utm.utoronto.ca/tours

**U OF T SCARBOROUGH** 416 287 7529 *www.utsc.utoronto.ca/admissions/tours* 

## **HOW TO APPLY**

All applicants apply to U of T through the Ontario Universities' Application Centre (OUAC). If you are unable to apply online, you can request a paper application by email: request@ouac.on.ca (subject of email "paper application"); by telephone: 519 823 1063; or by writing to the Ontario Universities' Application Centre: 170 Research Lane, Guelph, Ontario, Canada N1G 5E2. Please note there is an application fee for the Ontario Universities' Application Centre and an additional \$90.00 application fee for the University of Toronto.

The University of Toronto operates on an academic year rather than on a semester or quarter system. Students begin their studies in September and continue until May of the following year. The University of Toronto does not deal with agents and it does not recommend that applicants deal with agents.

For more details about application procedures and deadlines, visit our website at *www.adm.utoronto.ca* 

#### APPLICATION DEADLINES FOR INTERNATIONAL APPLICANTS

January 15 – Architecture, Landscape, and Design; Music

January 31 – Engineering; International Foundation Program; Kinesiology and Physical Education; Nursing; U of T Mississauga, U of T Scarborough,

U of T St. George (Arts, Science, Commerce) March 1 – Medical Radiation Sciences

#### STUDENT PERMIT/VISA

If you are not a citizen or permanent resident of Canada, you should apply for a study permit and entry visa (depending on citizenship) as soon as you receive your letter of admission from the University. You can obtain applications for these documents from a Canadian embassy or consulate before departing.

#### CENTRE FOR INTERNATIONAL EXPERIENCE

Adapting to a new cultural environment and a new education system may present some unexpected challenges. The Centre for International Experience is ready to help you with a wide range of services and programs. Visit *www.cie.utoronto.ca* 

#### **GUARDIANSHIP**

If you are an international student under the age of 18, you may be asked by Immigration Canada to find a Canadian citizen to act as a guardian. Your family is responsible for satisfying this requirement.

### **ADMISSION QUALIFICATIONS**

Applicants who are competitive for admission to the University of Toronto are among the top third of their class. Only those applicants who have attained a high level of academic achievement and who completely satisfy prerequisites will be admitted. Detailed course descriptions and reading lists may be necessary to ensure that subject requirements have been met. See also English Language Requirements.

For a complete list of admission qualifications including academic and nonacademic requirements visit *www.adm.utoronto.ca* 

#### TRANSFER STUDENTS

Arts, Science, Business (all campuses): A maximum of ten transfer credits (two full years) will be awarded to those candidates who have completed two years beyond the basis for admission at another recognized university. Refer to *www.adm.utoronto.ca* for detailed information about minimum admission requirements for your educational jurisdiction.

Applicants who have completed more than half of their program at another recognized institution are not eligible to transfer to the same field of study.

Students will be notified of the transfer credits to which they are entitled as soon as possible after they have been admitted and paid the Transfer Credit Assessment Fee. Details on fee payment will be provided when an offer of admission is made. Interviews may be required.

Applicants with a bachelor's degree or equivalent from another university who wish to complete a second undergraduate degree in arts, science or business may apply for admission to a second degree program. Those admitted to a second degree program will be granted a maximum of one year of transfer credit (five full credit courses).

It is not possible to complete a second undergraduate degree in the same field as a first degree (for instance students who have completed a degree in or have majored in economics, management, commerce or business cannot complete a Bachelor of Commerce degree or Bachelor of Business Administration).

An applicant who already holds an undergraduate degree is advised to apply as a Non-degree student to take courses to qualify for graduate level studies or other professional programs. Please note that it may not be possible to register in courses that are in high demand.

Applicants who hold an undergraduate degree in Engineering cannot be offered admission to our undergraduate Engineering faculty.

#### UNDERGRADUATE PROGRAMS REQUIRING UNIVERSITY PREPARATION

Dentistry; Education; Law; Medical Radiation Sciences; Medicine; Nursing; Pharmacy; Physician Assistant - for detailed information visit *www.utoronto.ca* 

### SCHOLARSHIPS AND FINANCIAL AID

The University of Toronto provides a range of admission scholarships. All applicants are considered automatically for admission scholarships based on their academic performance. Scholarship offers are sent at the same time as our offers of admission. Canadian citizens and permanent residents living outside Canada are also eligible for the University of Toronto financial aid guarantee that assures support for students with financial need.

U.S. citizens can apply for financial assistance from the U.S. William D. Ford Federal Direct Loan Program. The University of Toronto is a recognized postsecondary institution for Federal Direct Loans (PLUS/Subsidized/Unsubsidized). Education Savings Plans, and US Federal Education Tax credits are also applicable. Complete details can be found at *www.adm.utoronto.ca* 

To obtain a study permit, international students must demonstrate to Citizenship and Immigration Canada that they have sufficient resources to cover tuition and expenses for at least one year of university. Complete details can be found at: *www.cic.gc.ca* 

### HOUSING

Residence is guaranteed for all new full-time students entering their first year of university in an undergraduate program for the first time, provided that they have indicated their interest in residence by completing the University's common residence application by March 31, and have received and accepted an offer of admission by June 2.

#### For details contact:

U of T St. George Student Housing Service Tel: 416 978 8045 www.housing.utoronto.ca

#### U of T Mississauga

Residence Services Centre Tel: 905 828 5286 www.utm.utoronto.ca/housing

#### U of T Scarborough

Student Housing and Residence Life Office Tel: 416 287 7365 www.utsc.utoronto.ca/residences

## **RESIDENCE INFORMATION 2013-2014**

RESIDENCE	CONTACT	TYPE (M / F / CO-ED)	TOTAL PLACES	COMPULSORY MEAL PLAN	PRICE RANGE (CAD\$)
U of T Mississauga	<u> </u>			1	
Student Housing and Residence Life 3359 Mississauga Rd. N. Mississauga, ON L5L 1C6	T: 905 828 5286 F: 905 828 5473 resdesk.utm@utoronto.ca www.utm.utoronto.ca/housing	M, F	1500	declining balance meal card; three meal plan options open to first-year students	\$11,300 - \$12,100
U of T Scarborough					
Student Housing and Residence Life 1265 Military Trail Toronto, ON M1C 1A4	T: 416 287 7365 F: 416 287 7667 residences@utsc.utoronto.ca www.utsc.utoronto.ca/residences	M, F	765 townhouses & apartments	required meal plans; declining balance meal plan	\$8,394 – \$10,960
U of T St. George					
Chestnut Residence Residence Office 89 Chestnut St. Toronto, ON M5G 1R1	T: 416 978 8863 F: 416 585 3197 chestnut.residence@utoronto.ca www.chestnutresidence.utoronto.ca	M, F, Co-ed	1088	15 meals/wk; 330 meals/yr or carte blanche; meals to accommodate diverse needs	\$13,216 - \$15,308
Innis College Office of the Dean 111 St. George St. Toronto, ON M5S 2E8	T: 416 978 2512 F: 416 971 2464 residence.innis@utoronto.ca	M, F	329 82 apartments	no meal plan; fully-equipped kitchens	\$7,550 - \$7,550
New College Office of Residence and Student Life 40 Willcocks St. Toronto, ON M5S 1C6	T: 416 978 8875 F: 416 971 3072 new.residence@utoronto.ca	M, F, Co-ed	864	15 meals/wk; 330 meals/yr or carte blanche; vegetarian selections and Halal options; all you care to eat	\$10,088 - \$13,068
St. Michael's College: Loretto College Dean of Women 70 St. Mary St. Toronto, ON M5S 1J3	T: 416 925 2833 F: 416 925 2977 loretto.college@utoronto.ca	F	115	21 meals/wk; vegetarian selection; international cuisine	\$10,710 - \$11,210
St. Michael's College Student Residence Dean of Students 81 St. Mary St. Toronto, ON M5S 1J4	T: 416 926 7127 F: 416 926 2268 smc.residence@utoronto.ca stmikes.utoronto.ca/smcresidence	M, F	520	continuous dining with 3 options: 5 day meal plan from Sunday-Thursday or Monday- Friday; 7 day meal plan	\$11,262 – \$12,581
Trinity College Dean of Students 44 Devonshire Place Toronto, ON M5S 2E2	T: 416 978 3612 F: 416 978 4380 <i>deanofstudents@trinity.utoronto.ca</i>	M, F	430	400 meals/yr or 310 meals/ yr; all-you-care-to-eat meals with vegetarian, vegan options including a salad bar and international cuisine; 10 free guest passes	\$12,000 - \$12,400
University College Residence Office D105-15 King's College Circle Toronto, ON M5S 3H7	T: 416 978 2530 F: 416 971 2029 uc.residences@utoronto.ca	Co-ed	712	à-la-carte declining balance; wide variety of menu options, including vegetarian, to suit diverse student needs	\$10,851 - \$11,472
Victoria College Office of the Dean of Students 140 Charles St. West Toronto, ON M5S 1K9	T: 416 585 4494 F: 416 813 4045 <i>vic.dean@utoronto.ca</i>	M, F, Co-ed	790	combination of all-you-care- to-eat meals and a declining flex dollar system; Halal, vegetarian, vegan and late night meal options	\$10,095 - \$13,725
Woodsworth College Residence Office 321 Bloor St. West Toronto, ON M5S 1S5	T: 416 623 1685 F: 416 971 2611 residence@wdw.utoronto.ca	M, F, Co-ed	361	no meal plan; fully-equipped kitchens	\$8,486 - \$8,486

## **TUITION FEES 2013-2014**

The cost of attending university varies according to the student's program of study and place of residence during the academic year (September to April).

	INTERNATIONAL STUDENTS		CANADIAN CITIZENS, PERMANENT RESIDENTS		
	\$CAD	\$US*	\$CAD	\$US*	
Applied Science & Engineering	\$38,140	\$36,262	\$13,837	\$13,169	
Architectural Studies	\$33,242	\$31,607	\$7,032	\$6,692	
Arts, Science, Commerce, Management	\$33,960 - \$34,516	\$32,290 - \$32,821	\$7,066 - \$7,622	\$6,725 - \$7,254	
Music	\$29,235	\$27,800	\$7,647	\$7,277	
Kinesiology & Physical Education	\$28,655	\$27,271	\$7,067	\$6,725	

Note: Tuition fees increase in the second year of some programs. A complete tuition fee schedule is available at www.fees.utoronto.ca

### **ADDITIONAL COSTS**

	\$CAD	\$US*
Residence		
With Meals	\$10,088 - \$15,308	\$9,602 - \$14,570
Without Meals	\$7,550 - \$8,486	\$7,186 - \$8,077
Other Costs		
Books	\$1,000	\$952
Health Insurance	\$684	\$651

\*Currency conversion calculated on 04/07/13. Current currency conversions are available at www.bankofcanada.ca

### **ENGLISH LANGUAGE REQUIREMENTS**

Proof of adequate English facility is required from all applicants *except* for those:

- whose first language (i.e. the language learned at home as a child) is English, or
- who have achieved satisfactory academic progress in at least four years of full-time study in an English language school system located in a country where the dominant language is English, or
- whose first language is French and who have achieved satisfactory academic progress in at least four years of full-time study in Canada.

If you are uncertain whether or not you will be required to take an English facility test, contact Enrolment Services, University of Toronto, 172 St. George Street, Toronto, ON, Canada M5R OA3. Provide full information about your language and copies of transcripts/documents supporting your claim, and we will let you know.

If you do not meet U of T's language requirements but have demonstrated superior academic performance at the high school level, you may be interested in the International Foundation Program (*www.ifp.utoronto.ca*) offered at New College in the Faculty of Arts and Science or the Faculty of Applied Science and Engineering.

#### ACCEPTABLE TESTS/QUALIFICATIONS AND REQUIRED SCORES

Register well in advance for the test as space is limited. Note that some test results will not be available to us until seven or eight weeks after the test date.

We accept only official test scores sent directly to Enrolment Services by the issuing agency. We recommend that you request that your result be sent to us as soon as it is available. You will not be penalized for a low result if we receive an acceptable result on a later test.

## 1. Test of English as a Foreign Language (TOEFL)

Minimum Requirement iBT – total score of 100 + 22 on Writing PBT – total score of 600 + 5.0 on TWE Discretionary Range\* iBT – total score 89-99 + 19-21 on Writing PBT – total score 573-597 + 4.5 on TWE

The TOEFL institution code for undergraduate studies at the University of Toronto is 0982-00. You must list this code correctly on the TOEFL forms, or we will not receive your result. We receive your result electronically from TOEFL. We do not accept paper results.

Web: *www.ets.org/toefl* Email: toefl@ets.org Tel: 609 771 7100; Fax: 610 290 8972 Mail: TOEFL Services, P.O. Box 6151, Princeton, NJ 08541-6151, USA.

## 2. Michigan English Language Assessment Battery (MELAB)

Minimum Requirement Overall score of 85, with no part score below 80 Discretionary Range\* Overall score of at least 80 with no part score below 80

We do not require the optional MELAB Oral Test.

#### Main MELAB Office

Web: *www.cambridgemichigan.org/melab* Email: info@cambridgemichigan.org Tel: 734 615 9629; Fax: 734 763 0369 Mail: MELAB, Cambridge Michigan Language Assessments, 535 West William St., Suite 310, Ann Arbor, Michigan, 48103-4978, USA.

#### Toronto MELAB Office

Website: www.myetc.ca Email: info@myeyc.ca; Tel: 416 946 3942; Fax: 416 946 0337 Mail: English Testing Canada, 45 Willcocks Street, Room 139, Toronto, ON M5S 1C7, Canada.

#### 3. English Language Diagnosis and Assessment/Certificate of Proficiency in English (ELDA/COPE)

Minimum Requirement Overall score of 86, with 32 in Writing and 22 in each of Reading and Listening. Discretionary Range\* Overall score of 80-85, with 28-31 in Writing and 18-21 in each of Reading and Listening.

ELDA/COPE is currently available in Toronto only.

Web: www.copetest.com Email: info@copetest.com Tel: 416 962 2673 Mail: COPE Testing Ltd., Box 957, 7B Pleasant Blvd., Toronto, ON, M4T 1K2.

## \* Discretionary Ranges for TOEFL, MELAB and ELDA/COPE

If an applicant scores in the discretionary ranges indicated above, and is otherwise well qualified for admission, we will automatically consider other academic evidence of English proficiency (for example, results in English courses) and we will advise the applicant whether or not our English language requirements have been satisfied. It is not necessary to request this special consideration. Letters of reference will NOT be used for this purpose.

#### 4. International English Language Testing System (IELTS) Academic Module

The minimum requirement is an overall band of 6.5, with no band below 6.0. Results are received electronically from IELTS. We do not accept paper results.

Web: www.ielts.org

Email: ielts@cambridgeesol.org Tel: +44 (0) 1223 553355; Fax: +44 (0) 1223 460278 Mail: IELTS Office, University of Cambridge ESOL Examinations, 1 Hills Road, Cambridge CB1 2EU, UK.

#### 5. Academic English Course

Completed at English Language Program, School of Continuing Studies, University of Toronto. The minimum requirement is a grade of 'B' at the 60/Advanced level.

Web: *learn.english.utoronto.ca* Email: learn.english@utoronto.ca Tel: 416 978 5104; Fax: 416 971 2839

#### 6. International Foundation Program (IFP)

Completed at the University of Toronto, Faculty of Arts and Science, St. George campus or the Faculty of Architecture, Landscape, and Design or the Faculty of Applied Science and Engineering.

The minimum requirement is the successful completion of the International Foundation Program.

Web: www.ifp.utoronto.ca Email: foundation.program@utoronto.ca Tel: 416 946 5146; Fax: 416 946 8050

#### OTHER ACCEPTABLE TESTS/ QUALIFICATIONS

**7.** Canadian Test of English for Scholars and Trainees (CanTEST). The minimum requirement is an average score of 4.5, and no part below 4.

**8.** *Canadian Academic English Language* (*CAEL*) *Assessment.* The minimum requirement is an overall score of 70 and no part below 60. **9.** One full year of degree study at a recognized English-medium university located in a country where English is the dominant language. The minimum requirement is four full transferable degree courses completed with grades of 'C' (or in progress). If courses are in progress, you must provide written details of courses (including description and credit value).

**10.** International Baccalaureate English Literature Higher Level or English Language and Literature Higher Level or English A1 Higher Level or English A2 Higher Level in progress or passed with minimum grade of 4.

**11.** GCSE/IGCSE/GCE O' Level English/ English Language/English as a Second Language with minimum grade of 'B'.

**12.** GCE A/AS/AICE Level English or English Language with minimum grade of 'C' (or in progress).

**13.** Cambridge English: Proficiency/Certificate of Proficiency in English (CPE) by Cambridge English Language Assessment (formerly Cambridge ESOL). The minimum requirement is a grade of 'C'.

**14.** Cambridge English: Advanced/Certificate in Advanced English (CAE) by Cambridge English Language Assessment (formerly Cambridge ESOL). The minimum requirement is a grade of 'B'.

#### DEADLINE DATES

If you are required to present proof of English facility, it is your responsibility to arrange to take one of the acceptable tests/qualifications in time for the official results to be received by Enrolment Services before the document deadline for the program to which you have applied. Please refer to *www.adm.utoronto.ca* for the appropriate document deadline.

#### ENGLISH COURSE REQUIREMENTS

Normally, a senior level English course (equivalent to Ontario ENG4U/EAE4U) is required for admission to all undergraduate programs. If you are a student in a Canadian high school and are required to present an acceptable English language test result you are exempted from this requirement and may present another academic Grade 12 course in place of English. It would still be necessary for you to present the total number of credits as required and satisfy the graduation requirements for your province. We do, however, strongly encourage you to include English in your preparation for university. If you complete Grade 12 English as an extra credit and you are required to present an acceptable English language test result, we would include your English mark in the admission average only if this improves your average.

### ACADEMICS

# **Programs of Study – Arts, Science and Business Programs**

## **U OF T MISSISSAUGA**

# ADMISSION REQUIREMENTS

All program areas require English. Mathematics (including Calculus) is required for programs with Mathematics prerequisites.

Admission will be based on the academic record, with close attention paid to the prerequisite subjects, plus requested supplementary or profile information (if required).

Details about admission requirements pertaining to your educational jurisdiction are available at www.adm.utoronto.ca.

CHEMICAL AND PHYSICAL SCIENT Astronomical Sciences Astronomy Biological Chemistry	SUBJECT(S) REQUIRED IN ADDITION TO ENGLISH	S	GRAM 1 Ma	Mi
Astronomy Biological Chemistry				
	M, Ph; (rec. Ch) M, Ph; (rec. Ch)	Х	х	
Biomedical Physics	M, Bio, Ch, Ph M, Ch, Ph; (rec. Bio)	x x		
Chemistry	M, Ch, Ph M, Ch, Ph	x	х	х
Earth Science Environmental Science	M, Ch/Ph M, Bio, Ch/Ph	x x	x x	x x
Geocomputational Sciences	M M	x	^	^
Geographic Information Systems	(rec. M)		х	х
Geography	(rec. M, one Science)	х	Х	Х
Geology Paleontology	M, Ch, Ph M, Bio, Ch	Х	х	
Physics	M, Ph, Ch		х	Х
COMMERCE Accounting (BCom)	Μ	х		
Commerce (BA)	М		Х	
Commerce (BCom) Economics (BCom)	M	X X		
Finance (BCom)	M	x		
Human Resources Management (BCom)	M	х		
Marketing (BCom)	Μ	х		
COMMUNICATION AND CULTURE ( Communication, Culture,	(BA)			
Information and Technology			Х	
Digital Enterprise Management Interactive Digital Media	(rec. M)	X X		
Professional Writing &		X	х	х
Communication COMPUTER SCIENCE, MATHEMAT	ICS & STATISTICS (BSc)			
Applied Statistics	М	Х	Х	Х
Bioinformatics Computer Science	M, Bio, Ch M	x x	x	х
Information Security	М	X	~	X
Mathematical Sciences	Μ	Х	Х	Х
FORENSIC SCIENCE (BSC) Forensic Science	M, Bio, Ch, Ph		х	
Forensic Anthropology	Bio	х		
Forensic Biology Forensic Chemistry	M, Bio, Ch, Ph M, Bio, Ch, Ph	x x		
Forensic Psychology	M, Bio	X		
HUMANITIES (BA) Canadian Studies			х	х
Classical Civilization			x	x
Diaspora & Transnational Studies			х	х
English		х	х	х
Francophone Studies French Language & Literature	(rec. Fr)	v	Y	х
French Language & French	(rec. Fr)	Х	x	
Linguistics French Language Teaching &			~	
Learning	(rec. Fr)		х	
French Studies French & Italian	(rec. Fr, Ita)	X X	Х	Х
French & Italian Teaching &	(rec. Fr, Ita)	x		
Learning Functional French	(100.11, 110)	^		х
History		х	х	x
History & Political Science History of Religions		X X	х	х
Italian	(rec. Ita)	x	x	x
Italian Teaching & Learning	(rec. Ita)		х	
Linguistics Logic	М		x x	Х
Performance & Theatre			х	х
Philosophy Philosophy of Science		Х	Х	X X
South Asian Studies				х
Women & Gender Studies LIFE SCIENCES (BSc)			Х	Х
Anthropology	(rec. Bio)	х	х	
Biology	M, Bio, Ch M, Bio, Ch	Х	x	х
Biology for Health Sciences Biomedical Communications	M, Bio, Ch		х	
(Science)	M, Bio; (rec. Ch)	v		Х
Biotechnology Comparative Physiology	M, Bio, Ch; (rec. Ph) M, Bio, Ch	x x		
Ecology & Evolution	M, Bio, Ch	x		
Molecular Biology MANAGEMENT	M, Bio, Ch	Х		
Management (BA)	M		Х	
Management (BBA)	Μ	Х		
PSYCHOLOGY (BSo)	M Bio Ch	v		_
PSYCHOLOGY (BSc) Behaviour, Genetics &	M, Bio, Ch	Х		
Behaviour, Genetics & Neurobiology				
Behaviour, Genetics & Neurobiology Exceptionality in Human Learning	M, Bio	х	х	
Behaviour, Genetics & Neurobiology Exceptionality in Human Learning Psychology	M, Bio M, Bio	x x	x x	х
Behaviour, Genetics & Neurobiology Exceptionality in Human				X X
Behaviour, Genetics & Neurobiology Exceptionality in Human Learning Psychology SOCIAL SCIENCES Anthropology (BA) Criminology + Socio-Legal		Х	X	
Behaviour, Genetics & Neurobiology Exceptionality in Human Learning Psychology SOCIAL SCIENCES Anthropology (BA) Criminology + Socio-Legal Studies (BA)	M, Bio	x x	X X	
Behaviour, Genetics & Neurobiology Exceptionality in Human Learning Psychology SOCIAL SCIENCES Anthropology (BA) Criminology + Socio-Legal Studies (BA) Economics (BA) Economics & Political Science	M, Bio (rec. M)	x x x	x x x	x
Behaviour, Genetics & Neurobiology Exceptionality in Human Learning Psychology SOCIAL SCIENCES Anthropology (BA) Criminology + Socio-Legal Studies (BA) Economics (BA) Economics & Political Science (BA) Environmental Management	M, Bio (rec. M) M	X X X X X	x x x x	x
Behaviour, Genetics & Neurobiology Exceptionality in Human Learning Psychology <b>SOCIAL SCIENCES</b> Anthropology (BA) Criminology + Socio-Legal Studies (BA) Economics (BA) Economics & Political Science (BA) Environmental Management (BA)	M, Bio (rec. M) M M M, Bio	x x x x x x x	x x x	x
Behaviour, Genetics & Neurobiology Exceptionality in Human Learning Psychology SOCIAL SCIENCES Anthropology (BA) Criminology + Socio-Legal Studies (BA) Economics (BA) Economics & Political Science (BA) Environmental Management	M, Bio (rec. M) M	X X X X X	x x x x	x
Behaviour, Genetics & Neurobiology Exceptionality in Human Learning Psychology <b>SOCIAL SCIENCES</b> Anthropology (BA) Criminology + Socio-Legal Studies (BA) Economics (BA) Economics (BA) Economics & Political Science (BA) Financial Economics (BSc) Geography (BA) History & Political Science (BA)	M, Bio (rec. M) M M M, Bio M	x x x x x x x x x x x x x	x x x x	x x x
Behaviour, Genetics & Neurobiology Exceptionality in Human Learning Psychology <b>SOCIAL SCIENCES</b> Anthropology (BA) Criminology + Socio-Legal Studies (BA) Economics (BA) Economics (BA) Economics & Political Science (BA) Environmental Management (BA) Financial Economics (BSc) Geography (BA)	M, Bio (rec. M) M M M, Bio M	x x x x x x x x x x x x	x x x x	x x x
Behaviour, Genetics & Neurobiology Exceptionality in Human Learning Psychology <b>SOCIAL SCIENCES</b> Anthropology (BA) Criminology + Socio-Legal Studies (BA) Economics (BA) Economics (BA) Economics & Political Science (BA) Environmental Management (BA) Financial Economics (BSc) Geography (BA) History & Political Science (BA) International Affairs (BA) Political Science (BA) Sociology (BA)	M, Bio (rec. M) M M M, Bio M	x x x x x x x x x x x x x x x	x x x x x	x x x x
Behaviour, Genetics & Neurobiology Exceptionality in Human Learning Psychology <b>SOCIAL SCIENCES</b> Anthropology (BA) Criminology + Socio-Legal Studies (BA) Economics (BA) Economics (BA) Economics & Political Science (BA) Environmental Management (BA) Financial Economics (BSc) Geography (BA) History & Political Science (BA) International Affairs (BA) Political Science (BA) Sociology (BA) THEATRE & DRAMA (BA)	M, Bio (rec. M) M M M, Bio M	X X X X X X X X X X X X X X X X	x x x x x x	x x x x x
Behaviour, Genetics & Neurobiology Exceptionality in Human Learning Psychology <b>SOCIAL SCIENCES</b> Anthropology (BA) Criminology + Socio-Legal Studies (BA) Economics (BA) Economics & Political Science (BA) Environmental Management (BA) Financial Economics (BSc) Geography (BA) History & Political Science (BA) International Affairs (BA) Political Science (BA) Sociology (BA) <b>THEATRE &amp; DRAMA (BA)</b> Theatre and Drama Studies (Diploma + Degree)	M, Bio (rec. M) M M M, Bio M	x x x x x x x x x x x x x x x x	x x x x x x	x x x x x
Behaviour, Genetics & Neurobiology Exceptionality in Human Learning Psychology <b>SOGIAL SCIENCES</b> Anthropology (BA) Criminology + Socio-Legal Studies (BA) Economics (BA) Economics & Political Science (BA) Environmental Management (BA) Financial Economics (BSc) Geography (BA) History & Political Science (BA) International Affairs (BA) Political Science (BA) Sociology (BA) <b>THEATRE &amp; DRAMA (BA)</b> Theatre and Drama Studies (Diploma + Degree) <b>VISUAL STUDIES (BA)</b>	M, Bio (rec. M) M M M, Bio M	X X X X X X X X X X X X X X X X	x x x x x x	x x x x x
Behaviour, Genetics & Neurobiology Exceptionality in Human Learning Psychology <b>SOCIAL SCIENCES</b> Anthropology (BA) Criminology + Socio-Legal Studies (BA) Economics (BA) Economics (BA) Economics (BA) Economics & Political Science (BA) Financial Economics (BSc) Geography (BA) History & Political Science (BA) International Affairs (BA) Political Science (BA) Sociology (BA) <b>THEATRE &amp; DRAMA (BA)</b> Theatre and Drama Studies (Diploma + Degree) <b>VISUAL STUDIES (BA)</b> Art and Art History (Diploma + Degree)	M, Bio (rec. M) M M M, Bio M	X X X X X X X X X X X X X X X X	x x x x x x	x x x x x
Behaviour, Genetics & Neurobiology Exceptionality in Human Learning Psychology SOCIAL SCIENCES Anthropology (BA) Criminology + Socio-Legal Studies (BA) Economics (BA) Economics (BA) Economics & Political Science (BA) Economics & Political Science (BA) Financial Economics (BSc) Geography (BA) History & Political Science (BA) History & Political Science (BA) Political Science (BA) Sociology (BA) THEATRE & DRAMA (BA) Theatre and Drama Studies (Diploma + Degree) VISUAL STUDIES (BA) Art and Art History	M, Bio (rec. M) M M M, Bio M	X X X X X X X X X X X X	x x x x x x x x	x x x x x

## **U OF T SCARBOROUGH**

### ww.utsc.utoronto.c

Computer Science

Stream

Stream

Stream Mathematics

Mathematics

Statistics

Statistics

HUMANITIES (BA)

African Studies Art & Culture - Studio Stream

Art History

Arts Management

Classical Studies

English Literature

French for Francophones

Linguistics Literature and Film Studie

New Media Studies \*\* §

Global Asia Studies

French

Creative Writing

English

History

Journalism \*

Media Studies

Music & Culture

Philosophy

Psycholinguistics

Studio (Fine Art)

Studies

Evolution

Health Studies Population Health

Human Biology

Integrative Biology

Neuroscience

Paramedicine \*

Psychology MANAGEMENT (BBA)

Management General Management

Resources

Studies

Technology

Business (co-op only)

Strategic Management

Biochemistry

Biological Chemistry

Chemistry

Environmental Biology

Environmental Science

Physical & Mathematical Sciences

Physics and Astrophysics M, Ph

Physical Sciences

SOCIAL SCIENCES (BA)

Anthropology (BA/BSc)

Diaspora & Transnational

Geography • Human Geography

Physical & Human

International Development Studies (BA/BSc)

Political Science

Public Policy

Sociology

Geography

Health Studies Health Policy (BA)

City Studies

Studies Environmental Studies

Mental Health Studies

Health Management
 M

Management & Finance M

Management & Human M

Management & Information M

Management & International M

Management & Marketing M

Economics for Management M

Economics for Management M Studies (BA)

Astronomy & Astrophysics M, Ph

PHYSICAL & ENVIRONMENTAL SCIENCES (BSc

Environmental Chemistry M, Ch, Ph

Environmental Geoscience M, Bio, Ch; (rec. Ph)

Management & Accounting M

Biology

Theatre & Performance

LIFE SCIENCES (BSc) Biodiversity, Ecology &

Cell & Molecular Biology

Women's & Gender Studies

Statistics Stream

Teaching Stream

Comprehensive Stream

Health Informatics

Information Systems

Software Engineering

 Comprehensive Stream M Design Your Own Stream
 M

Machine Learning & Data
 Mining

Quantitative Finance
 M

ADMISSION REQUIREMENTS All program areas require English. Mathematics (including Calculus) is required for programs with Mathematics prerequisites.

Admission will be based on the academic record, with close attention paid to the prerequisite subjects, plus requested supplementary or profile information (if required).

Details about admission requirements pertaining to your educational jurisdiction are available at www.adm.utoronto.ca.

COMPUTER SCIENCE, MATHEMATICS AND STATISTICS (BSc)

Μ

Μ

М

М

Μ

Μ

Μ

Fr or equivalent

Fr or equivalent

M, Bio, Ch

M, Bio, Ch

M, Bio, Ch

M. Bio. Ch

M, Bio, Ch

M, Bio, Ch

M, Bio, Ch

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M. Bio. Ch. Ph

M. Bio. Ch. Ph

M, Ch, Ph

Environmental Physics M, Ch, Ph; (rec. Bio) x

M, Ch, Ph

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M, Bio, Ch; (rec. Ph)

SUBJECT(S) REQUIRED IN PROGRAM TYPI

ADDITION TO ENGLISH S Ma Mi

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## **U OF T ST. GEORGE** FACULTY OF ARTS & SCIENCE

www.artsci.utoronto.ca

ADMISSION REQUIREMENTS All program areas require English. Mathematics (including Calculus) is required for programs with Mathematics prerequisites.

Admission will be based on the academic record, with close attention paid to the prerequisite subjects, plus requested supplementary or profile information (if required).

Details about admission requirements pertaining to your educational jurisdiction are available at www.adm.utoronto.ca.

 $\mathsf{J}=\mathsf{Jointly}$  listed under both Humanities and Social Sciences.

S

COMPUTER SCIENCE (BSc)	ADDITION TO ENGLISH	S	Ma
Computer Science	Μ	Х	Х
HUMANITIES (BA) Aboriginal Studies (J)		х	х
African Studies (J)		х	х
American Studies (J) Art History		х	x x
Asian Canadian Studies Asian Literatures and			
Cultures (offered jointly with the National University of Singapore)			
Bioethics Book and Media Studies	(rec. Bio)	х	x x
Buddhism, Psychology and Mental Health			
Buddhist Studies Business German		X	X
Canadian Studies (J) Caribbean Studies (J)		x x	x x
Celtic Studies Christianity and Culture		x x	x x
Christianity and Education		^	^
Cinema Studies Classical Civilization		Х	X X
Classics (Greek and Latin)	( <b>I</b> N		Х
Cognitive Science Contemporary Asian Studies (J)	(rec. M)		x x
Czech and Slovak Studies Diaspora and Transnational			х
Studies	D		х
Drama	Personal Interview and Audition Required	х	х
East Asian Studies (J)		х	х
Education and Society English		х	х
Environmental Ethics (J) Equity Studies (J)			x x
Estonian Studies			X
Ethics, Society and Law (J) European Studies (J)			x x
European Union Studies (J)			
Finnish Studies French as a Second Language			х
French Language and French Linguistics		x	x
French Language and Literature		х	х
French Language Learning French Studies			х
German Studies		х	х
German Studies in English Greek			x
Health Studies (J)		x	Х
History History and Philosophy of		х	x
Science and Technology Hungarian Studies			x x
International Relations (J)	(rec. M)	х	Х
Islamic Studies Italian		х	x x
Italian Culture and Communication Studies			
Italian Second Language			x
Learning Jewish Studies		х	x
Latin			Х
Latin American Studies (J) Linguistics		х	x x
Literary Studies Literary Studies			
(Comparative Literature		х	х
Stream) Literary Studies			
(Cultural Theory Stream) Material Culture (J)		х	x
Mediaeval Studies		х	х
Music Music History and Culture	Audition Required	х	х
Music with Ensemble Option	Audition Required	х	х
Near and Middle Eastern Civilizations		х	х
Philosophy Polish Language and Literature		х	x x
Polish Studies			Х
Portuguese Religion		x x	x x
Religion: Christian Origins		х	
Renaissance Studies Russian Language		х	Х
Russian Language and Literature		x	х
Russian Literature in			
Translation Semiotics and Communication			
Theory Sexual Diversity Studies (J)		x	x
South Asian Studies (J)		*	×
South Slavic Studies Spanish		х	x x
Ukrainian Language and		x	x
Literature Women and Gender Studies (J)		x	x
Writing and Rhetoric Yiddish, Al and Malke Green			
Program			
LIFE SCIENCES (BSc) Animal Physiology	M, Bio, Ch; (rec. Ph)		х
Anthropology, Biological	M, Bio, Ch; (rec. Ph)		х
Biochemistry Biodiversity and Conservation	M, Bio, Ch; (rec. Ph)	х	x
Biology Bioinformatics and	M, Bio		х
Computational Biology	M, Bio, Ch	x	
Biological Chemistry Biological Physics	M, Bio, Ch; (rec. Ph) M, Bio, Ch, Ph	x x	
Biology	M, Bio, Ch; (Ch not	x	х
Biomedical Toxicology	req'd for Minor) M, Bio, Ch; (rec. Ph)	x	x
Cell and Molecular Biology	M, Bio, Ch, Ph; (Ph not req'd for Major)	х	х
Developmental Biology	M, Bio, Ch	х	
Ecology and Evolutionary Biology	M, Bio, Ch	х	х
Environment and Behaviour	M; (rec. Bio)		
Environment and Energy Environment and Health	M, Ch; (rec. Ph) M, Bio, Ch; (rec. Ph)	х	х
Environment and Science	M, Bio, Ch; (rec. Ph)		
	M, Bio, Ch; (rec. Ph)	х	
Environment and Toxicology		х	x
Environment and Toxicology Environmental Biology Environmental Biology (offered	M, Bio, Ch; (rec. Ph) M, Bio, Ch; (Ch not req'd for Minor)	Х	x
Environment and Science Environment and Toxicology Environmental Biology Environmental Biology (offered jointly with the National University of Singapore)	M, Bio, Ch; (rec. Ph) M, Bio, Ch; (Ch not	x	x

LEGEND	
Bio = Biology	Ph = Ph
Ch = Chemistry	/ = or
E = English	, = and
Fr = French	<b>rec.</b> = r
Geo = Geography	<b>S</b> = Spe
Ger = German	Ma = M
Ita = Italian	Mi = M
L = Language other than English	Co = Pa
<b>M</b> = Mathematics including Calculus	

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SUBJECT(S) REQUIRED IN PROGRAM TYPE

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Programs are structured to be completed in four years, except for the Co-op International Development Studies which is structured to take five years to complete.

\* = U of T degree plus Centennial College diploma earned. \*\* = U of T degree plus Centennial College certificate earned. § = Not direct entry from high school. A minimum of one year postsecondary studies required.

# **Programs of Study – Programs offered by Professional Faculties**

## DIRECT ENTRY PROFESSIONAL FACULTY PROGRAMS

PROGRAM	ADMISSION Prerequisites	NOTES	
Architecture, Landscape & Design; www.daniels.utc	pronto.ca		
Architectural Studies (BA) <ul> <li>Architectural Design</li> <li>History, Theory, and Criticism</li> </ul>	E	The Daniels Faculty's undergraduate program offers an Honours BA in Architectural Studies. The program encompasses three major disciplines that shape the built environm architecture and urban design. Both professions of Architecture and Landscape Architecture require a graduate degree at the master's level. All students are required to con supplementary application to be considered for admission. Details and deadlines can be found on our website at <i>www.daniels.utoronto.ca</i>	· · · ·
Visual Studies (BA)	E	The Daniels Faculty offers an Honours BA in Visual Studies. The program offers courses in most areas of contemporary art practice, including discipline specific and interdis Studies emphasizes a strong commitment to the social, cultural and theoretical issues embodied in the current art community. All students are required to complete a supp considered for admission. Details can be found on our website at: <i>www.daniels.utoronto.ca</i>	
Engineering (BASc); www.discover.engineering.uto	ronto.ca		
Chemical Engineering		Optional specializations after Year 2: Biomolecular & Biomedical Engineering, Bioprocess Engineering, Chemical & Materials Process Engineering, Environmental Science & Engineering, Informatics, Paper & Pulp, Surface & Interface Engineering, and Sustainable Energy	
Civil Engineering		Optional specializations after Year 2: Urban Engineering, Intelligent Infrastructure & Sustainability, Environmental Engineering	
Computer Engineering		Optional specializations after Year 2: Photonics, Electromagnetics, Control Systems, Signal Processing, Bioengineering, Computer Software, Digital Electronics,	
Electrical Engineering		Semiconductor Physics, Energy Systems, Communications Systems, Computer Networks, Computer Hardware, Analog Electronics	
Engineering Science (BASc in Eng Sci)	E, M, Ch, Ph	Majors for Years 3 and 4: Aerospace Engineering, Biomedical Systems Engineering, Electrical and Computer Engineering, Energy Systems Engineering, Infrastructure Engineering, Nanoengineering, Engineering Physics, Engineering Mathematics, Statistics & Finance	All applicants are required to submit an online Student Profile Form,
Industrial Engineering		Optional specializations after Year 2: Human Factors, Operations Research, Information Engineering	for which a fee will be charged.
Materials Engineering		Optional specializations after Year 2: Nanomaterials and Nanotechnology, Materials Processing & Sustainable Development, Biomaterials & Bioengineering, Materials in Manufacturing	
Mechanical Engineering		Optional specializations after Year 2: Mechatronics, Manufacturing, Solid Mechanics & Design, Energy & Environment, Bioengineering	
Mineral Engineering		Optional specializations after Year 2: Mining Geomechanics, Geological Engineering, Urban Infrastructure, Geotechnical, Applied Geology	
General First Year (TrackOne)		Engineering Program Options after Year 1: Chemical, Civil, Computer, Electrical, Industrial, Materials, Mechanical, Mineral	
Music (MusBac); www.music.utoronto.ca			
Artist Diploma (ArtDipMus)		Jazz Performance applicants are required to submit an audition DVD for pre-screening by January 15, 2014. Successful applicants will be invited to audition in person. See	www.music.utoronto.ca
Composition		under the prospective student section for further details.	
Comprehensive	F	All applicants are required to submit a Music Questionnaire by January 15, 2014. The Music Questionnaire will be available online in early December at www.music.utoronal encouraged to complete their application online and submit the hard copy to the Faculty of Music as early as possible to increase their chance of securing their preferred au be assigned an audition time once the Music Questionnaire has been received.	
History & Theory	-		
Music Education		A maximum of two Grade 12 Music credits may be counted in the admission average. All applicants must provide proof of completion of RCM Grade 2 Rudiments and Grade 3 Harmony, or their equivalent, by June 13, 2014. All applicants within a 400 km radius of Toronto must audition in person. Others are able to send in a recording, although a live audition is highly recommended. Auditions	are scheduled in February
Performance		and March.	
Kinesiology & Physical Education (BPHE; BKIN; BP	HE/BEd); www.kinesid	ology.utoronto.ca	
Kinesiology (BKIN)	E, Bio, M;	The undergraduate program is accredited in Kinesiology and Physical Education Teacher Preparation. If Exercise Science is not available, a substitute Grade 12 U or M courses of the second	
Physical & Health Education (BPHE)	(rec. Ch, Ph)	planning to take higher year biology courses should take Grade 12 Chemistry. All applicants must complete an online Statement of Interest Form available in January at www	w.physical.utoronto.ca.

## ACADEMICS

# **Requirements for Common International Educational Systems**

	MATHEMATICS PREREQUISITE Other prerequisites may be required. Refer to the appropriate program chart.	MINIMUM ADMISSION REQUIREMENTS Possession of the minimum requirements does not guarantee admission.
British-Patterned Education		
Arts, Science, Commerce/Management, Kinesiology & Physical Education and Music At least five different academic GCSE/IGCSE/Ordinary Level subjects and four different academic subjects at Advanced Subsidiary Level OR three different academic subjects at the Advanced Level (excluding General Paper). All examinations must be conducted by an examination authority located in the UK or an equivalent authority elsewhere (e.g. CSEC, WAEC, etc.). Prerequisites should be presented at Advanced or Advanced Subsidiary Level. Some programs may consider excellent Ordinary Level results for fulfilling a prerequisite. English GCSE/IGCSE/O Level/AS Level/A Level is required for all programs. Applied Advanced Level subjects are not recommended.	Math AS Level/A Level	Excellent GCSE/IGCSE/O Level and AS Level (predicted or final)/A Level (predicted or final) grades
<b>Engineering</b> Three advanced level subjects including Mathematics, Physics and Chemistry. Chemistry can be completed at the AS level, but an additional A level course must be presented. English O Level/AS Level/A Level is required for all programs. Refer to as <i>www.discover.engineering.utoronto.ca</i> for complete information.	Math A Level	Excellent (normally A) GCSE/IGCSE/O Level and A Level (predicted or final) grades
Cambridge Pre-University		
The Cambridge International Pre-U Diploma or Certificate, including 3 Principal Subjects (or a combination of Advanced Level Subjects and Principal Subjects covering different subjects). English GCSE/IGCSE/O Level/A Level/Principal Subject is required for all programs. Refer to <i>www.discover.engineering.utoronto.ca</i> for complete information about admission requirements for Engineering.	Math A Level/Principal Subjects	Excellent GCSE/IGCSE/O Level and Principal Subjects (predicted or final) grades
Caribbean Advanced Proficiency Examination (CAPE)		
The complete diploma (six units). English CSEC/IGCSE/O Level/CAPE is required. Refer to <i>www.discover.engineering.utoronto.ca</i> for complete information about admission requirements for Engineering.	Mathematics/Pure Mathematics (CAPE Unit I or II).	Excellent CSEC/GCSE/O Levels and predicted or final CAPE Unit I and II grades
	For Engineering: Mathematics and Pure Mathematics (CAPE Unit I and II).	For Engineering: Excellent CSEC/GCSE/O Levels and predicted or final CAPE Unit I and II grades
French-Patterned Education		
The Baccalauréat/Baccalauréat Général/Diplôme de Bachelier de l'Enseignement du Second Degré/Option Internationale du Baccalauréat. Anglais is required for all programs. Baccalauréat Technologique from France will also be considered if required subjects are included. Refer to <i>www.discover.engineering.utoronto.ca</i> for complete information about admission requirements for Engineering.	Mathématiques/Mathematics Appliquées Econ. et Soc	Average of 12 or higher in second trimester and no grades below 10
International Baccalaureate (IB)		
The diploma including English HL or SL. Refer to <i>www.discover.engineering.utoronto.ca</i> for complete information about admission requirements for Engineering.	Mathematics HL or SL (Math Studies is not acceptable.)	Predicted/final score of 28 or higher
United States		
Arts, Science, Commerce/Management, Kinesiology & Physical Education and Music U.S. Grade 12 in an accredited high school with a high grade point average and high scores on SAT Reasoning/ACT exams and a minimum of two appropriate SAT Subject Tests/APs/IBs (or a combination of SAT Subject Tests/APs/IBs covering different subjects). English Grade 12/AP is required for all programs. Those seeking admission to science or commerce programs are strongly advised to complete AP Calculus.	AP Calculus/Math Grade 12	Excellent CGPA and Grade 12 GPA; successful applicants have presented scores of at least 600 in each SAT component and at least 26 in the ACT with a score of at least 8 in Writing. Some programs require higher scores.
<b>Engineering</b> Applicants must present AP/IB Calculus, as well as AP/IB or SAT Subject Tests in both Chemistry and Physics. English Grade 12 /AP is required for all programs. Applicants seeking admission to Engineering after one year of university in the U.S. are required to present a GPA of at least 3.5 with two semesters of Math, Physics and Chemistry. Refer to <i>www.discover.engineering.utoronto.ca</i> for complete information.	AP Calculus	Excellent CGPA, Grade 12 GPA, SAT Reasoning/ ACT and SAT Subject Tests scores
Detailed information about all educational systems is available at www.adm.utoronto.ca Transfer credit information is available at www.adm.utoronto.ca/TransferCredits		

