



**FOR APPROVAL**

**PUBLIC**

**OPEN SESSION**

**TO:** UTSC Academic Affairs Committee

**SPONSOR:** Prof. William Gough, Interim Vice-Principal Academic and Dean  
**CONTACT INFO:** 416-208-7027, vpdean@utsc.utoronto.ca

**PRESENTER:** Prof. Mark Schmuckler, Vice-Dean, Undergraduate  
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**DATE:** Thursday, February 25, 2016

**AGENDA ITEM:** 4d

**ITEM IDENTIFICATION:**

Major modification C to introduce new Combined Degree Programs, UTSC HBSc/HBA programs with the Master of Teaching (MT) offered by OISE

**JURISDICTIONAL INFORMATION:**

University of Toronto Scarborough Academic Affairs Committee (AAC) “is concerned with matters affecting the teaching, learning and research functions of the Campus” (*AAC Terms of Reference, Section 4*). Under section 5.6 of its terms of reference, the Committee is responsible for approval of “Major and minor modifications to existing degree programs.” The AAC has responsibility for the approval of Major and Minor modifications to existing programs as defined by the University of Toronto Quality Assurance Process (*UTQAP, Section 3.1*).

**GOVERNANCE PATH:**

- 1. UTSC Academic Affairs Committee [For Approval] (February 25, 2016)**

**PREVIOUS ACTION TAKEN:**

No previous action in governance has been taken on this item.

## **HIGHLIGHTS:**

The University of Toronto Scarborough (UTSC) is proposing to introduce Combined Degree Programs in Honours Bachelor of Science (HBSc)/Honours Bachelor of Arts (HBA) and the Master of Teaching (MT) offered by the Ontario Institute for Studies in Education (OISE). Every combination of degree programs is understood as a unique offering, therefore this is an omnibus proposal for 22 distinct CDPs. The full list of proposed CDPs representing the undergraduate program options at UTSC that may be combined with the MT is identified in the proposal dated January 22, 2016.

Currently, students who are interested at the outset of their undergraduate studies in pursuing a degree in teacher education have applied to and registered in one of the existing Concurrent Teacher Education programs (CTEP). With the restructuring of teacher education in the Province of Ontario, and the move from a one-year to two-year program, CTEP programs have been closed to new admissions. In their place, UTSC and OISE are bringing forward the proposed Combined Degree Programs that build on UTSC's and OISE's long-standing partnership in teacher education.

A Combined Degree Program (CDP) is a program category that allows a student to be registered in two approved degree programs at the same time and complete the requirements of both in a manner that provides a benefit to the student beyond what would result from completing the two degree programs separately. The proposed Combined Degree Programs, UTSC HBSc/HBA with the OISE MT are intended to allow students interested in the teaching profession to apply early to the Master's program.

The proposed Combined Degree Programs will provide students with the opportunity to gain early (conditional) graduate admission (in Year 3 of undergraduate study), a clear pathway towards the teaching profession, and access to an enriched combination of academic programs. The undergraduate programs included in the proposal provide students interested in applying to the Combined Degree Program with an exceptional content background required for teaching preparation.

Students who successfully complete one of the Combined Degree Programs identified in this proposal, will have earned two University of Toronto degrees (i.e. H.B.Sc./H.B.A. and MT), and be recommended to the Ontario College of Teachers for a Certificate of Qualification, which certifies them to teach in Ontario schools.

As a graduate teacher education program, the MT provides students with a broader range of career options in Canada and internationally (not only in the school system but also in public or private sectors including health care, governmental and non-governmental organizations, business and community). For example, MT graduates are eligible to apply for admission to doctoral programs in education at OISE, other Ontario universities, as well as at leading universities in Canada and around the world.

This proposal has been approved by the Departmental Curriculum Committees of each of the participating academic units – the Department of Computer and Mathematical

Sciences, the Centre for French and Linguistics, and the Department of Physical and Environmental Sciences. There has been extensive consultation with the Ontario Institute for Studies in Education (OISE), who will concurrently bring this proposal through their governance. The proposal has been reviewed by the Dean's Office, the Decanal Undergraduate Curriculum Committee and the Provost's Office.

**FINANCIAL IMPLICATIONS:**

There are no net implications to the campus operating budget.

**RECOMMENDATION:**

Be It Resolved,

THAT the major modification to introduce new Combined Degree Programs, as described in the proposal dated January 22, 2016 and recommended by the Interim Vice-Principal Academic and Dean, Professor William Gough, be approved effective April 1, 2016 for the academic year 2016-17.

**DOCUMENTATION PROVIDED:**

1. Major Modification C to Introduce New Combined Degree Programs, UTSC HBSc/HBA and OISE MT.

# University of Toronto Major Modification Proposal: Combined Degree Programs

Combined Degree Programs Proposed:						
	Campus	Undergraduate Program Option	Undergrad Degree	Second Entry Undergraduate Degree Program	Graduate Degree and Program (#1)	Graduate Degree and Program (#2)
1.	UTSC/ OISE	Specialist in Biological Chemistry	Honours Bachelor of Science (H.B.Sc.)		Master of Teaching (MT), Teaching	
2.	UTSC/ OISE	Specialist Co-op in Biological Chemistry	(H.B.Sc.)		(MT)	
3.	UTSC/ OISE	Major in Biochemistry	(H.B.Sc.)		(MT)	
4.	OISE	Major Co-op in Biochemistry	(H.B.Sc.)		(MT)	
5.	UTSC/ OISE	Specialist in Chemistry	(H.B.Sc.)		(MT)	
6.	UTSC/ OISE	Specialist Co-op in Chemistry	(H.B.Sc.)		(MT)	
7.	UTSC/ OISE	Major in Chemistry	(H.B.Sc.)		(MT)	
8.	OISE	Major Co-op in Chemistry	(H.B.Sc.)		(MT)	
9.	UTSC/ OISE	Specialist in Environmental Chemistry	(H.B.Sc.)		(MT)	
10.	UTSC/ OISE	Specialist Co-op in Environmental Chemistry	(H.B.Sc.)		(MT)	
11.	UTSC/ OISE	Specialist in Environmental Physics	(H.B.Sc.)		(MT)	
12.	UTSC/ OISE	Specialist Co-op in Environmental Physics	(H.B.Sc.)		(MT)	
13.	UTSC/ OISE	Specialist in Physics and Astrophysics	(H.B.Sc.)		(MT)	
14.	UTSC/ OISE	Specialist in Physical and Mathematical Sciences	(H.B.Sc.)		(MT)	
15.	UTSC/ OISE	Specialist in Mathematics	(H.B.Sc.)		(MT)	
16.	UTSC/ OISE	Specialist Co-op in Mathematics	(H.B.Sc.)		(MT)	
17.	UTSC/ OISE	Major in Mathematics	(H.B.Sc.)		(MT)	
18.	UTSC/ OISE	Major Co-op in Mathematics	(H.B.Sc.)		(MT)	
19.	UTSC/ OISE	Specialist in French	Honours Bachelor of Arts (H.B.A)		(MT)	
20.	UTSC/ OISE	Specialist Co-op in French	(H.B.A.)		(MT)	
21.	UTSC/ OISE	Major in French	(H.B.A.)		(MT)	
22.	UTSC/ OISE	Major Co-op in French	(H.B.A.)		(MT)	

<b>Faculty(s):</b>	University of Toronto Scarborough (UTSC) Ontario Institute for Studies in Education (OISE)
<b>Dean's Office Contact in both Faculties:</b>	<u>UTSC:</u> <ul style="list-style-type: none"> <li>• Mark Schmuckler, Professor and Vice-Dean, Undergraduate, UTSC</li> <li>• Annette Knott <a href="mailto:aknott@utsc.utoronto.ca">aknott@utsc.utoronto.ca</a></li> </ul> <u>OISE:</u> <ul style="list-style-type: none"> <li>• Douglas McDougall, Professor &amp; Associate Dean, Programs, OISE</li> <li>• Biljana Cuckovic, <a href="mailto:biljana.cuckovic@utoronto.ca">biljana.cuckovic@utoronto.ca</a></li> </ul>
<b>Department(s) / Unit(s) (if applicable):</b>	<ul style="list-style-type: none"> <li>• Department of Computer and Mathematical Sciences, UTSC</li> <li>• Department of Physical and Environmental Sciences, UTSC</li> <li>• Centre for French and Linguistics, UTSC</li> <li>• Department of Curriculum Teaching and Learning, OISE</li> </ul>
<b>Proponent in each Department / Unit:</b>	<ul style="list-style-type: none"> <li>• David Fleet, Professor &amp; Chair, Department of Computer and Mathematical Sciences, UTSC</li> <li>• George Arhonditsis, Professor &amp; Acting Chair, Department of Physical and Environmental Sciences, UTSC</li> <li>• Karen McCrindle, Director, Centre for French and Linguistics, UTSC</li> <li>• Jim Hewitt, Professor and Acting Chair, Department of Curriculum Teaching and Learning, OISE</li> </ul>
<b>Version Date of Proposal:</b>	January 22, 2016

# 1 Summary

This is a proposal to introduce 22 Combined Degree Programs (CDPs) in Honours Bachelor of Science (H.B.Sc.)/Honours Bachelor of Arts (H.B.A.) at the University of Toronto Scarborough (UTSC) and the Master of Teaching (MT) at the Ontario Institute for Studies in Education (OISE). Every combination of degree programs is understood as a unique Combined Degree Program, thus this is an omnibus proposal for 22 distinct CDPs. The following list of proposed CDPs presents the undergraduate program options at UTSC that may be combined with the MT:

- Combined Degree Program: UTSC, Honours Bachelor of Science, Specialist in Biological Chemistry/ Master of Teaching
- Combined Degree Program: UTSC, Honours Bachelor of Science, Specialist Co-op in Biological Chemistry/ Master of Teaching
- Combined Degree Program: UTSC, Honours Bachelor of Science, Major in Biochemistry/ Master of Teaching
- Combined Degree Program: UTSC, Honours Bachelor of Science, Major Co-op in Biochemistry/ Master of Teaching
- Combined Degree Program: UTSC, Honours Bachelor of Science, Specialist in Chemistry/ Master of Teaching
- Combined Degree Program: UTSC, Honours Bachelor of Science, Specialist Co-op in Chemistry/ Master of Teaching
- Combined Degree Program: UTSC, Honours Bachelor of Science, Major in Chemistry/ Master of Teaching
- Combined Degree Program: UTSC, Honours Bachelor of Science, Major Co-op in Chemistry/ Master of Teaching
- Combined Degree Program: UTSC, Honours Bachelor of Science, Specialist in Environmental Chemistry/ Master of Teaching
- Combined Degree Program: UTSC, Honours Bachelor of Science, Specialist Co-op in Environmental Chemistry/ Master of Teaching
- Combined Degree Program: UTSC, Honours Bachelor of Science, Specialist in Environmental Physics/ Master of Teaching
- Combined Degree Program: UTSC, Honours Bachelor of Science, Specialist Co-op in Environmental Physics/ Master of Teaching
- Combined Degree Program: UTSC, Honours Bachelor of Science, Specialist in Physics and Astrophysics/ Master of Teaching
- Combined Degree Program: UTSC, Honours Bachelor of Science, Specialist in Physical and Mathematical Sciences/ Master of Teaching
- Combined Degree Program: UTSC, Honours Bachelor of Science, Specialist in Mathematics/ Master of Teaching
- Combined Degree Program: UTSC, Honours Bachelor of Science, Specialist Co-op in Mathematics/ Master of Teaching
- Combined Degree Program: UTSC, Honours Bachelor of Science, Major in Mathematics/ Master of Teaching
- Combined Degree Program: UTSC, Honours Bachelor of Science, Major Co-op in Mathematics/ Master of Teaching
- Combined Degree Program: UTSC, Honours Bachelor of Arts, Specialist in French/ Master of

## Teaching

- Combined Degree Program: UTSC, Honours Bachelor of Arts, Specialist Co-op in French/ Master of Teaching
- Combined Degree Program: UTSC, Honours Bachelor of Arts, Major in French/ Master of Teaching
- Combined Degree Program: UTSC, Honours Bachelor of Arts, Major Co-op in French/ Master of Teaching

All of the above listed undergraduate programs, and the MT, are existent University of Toronto programs.

These Combined Degree Programs require that students applying to the MT have two teaching subjects regardless of the concentration they are applying to (i.e. Intermediate/Senior, Junior/Intermediate or Primary/Junior). This means that they are required to have successfully completed six full credits in university courses (6.0 FCEs) in the first teaching subject (i.e. Biology, Chemistry, Science – General, Physics, Mathematics, or French) and a minimum of three full credits in university courses (3.0 FCEs) in the second teaching subject. Note: French as a Second Language, International Languages and Science subjects require a minimum of 6.0 credits in university courses.

**Table 1: UTSC Programs Fit With OISE Teaching Subjects**

<i>UTSC Program</i>	<i>Teaching Subjects completed with required courses</i>	<i>Notes</i>
Specialist in Biological Chemistry	Science – Chemistry Science – Biology Science – General	Any 2 of these 3
Specialist Co-op in Biological Chemistry	Science – Chemistry Science – Biology Science – General	Any 2 of these 3
Major in Biochemistry	Science - Biology	
Major Co-op in Biochemistry	Science – Biology	
Specialist in Chemistry	Science – Chemistry	
Specialist Co-op in Chemistry	Science – Chemistry	
Major program in Chemistry	Science – Chemistry	
Major Co-op in Chemistry	Science – Chemistry	
Specialist in Environmental Chemistry	Science - Chemistry	
Specialist Co-op in Environmental Chemistry	Science – Chemistry	
Specialist in Environmental Physics	Science - Physics	
Specialist Co-op in Environmental Physics	Science – Physics	
Specialist in Physics and Astrophysics	Science – Physics	
Specialist in Physical and Mathematical Sciences	Science – Physics	
Specialist in Mathematics	Mathematics	
Specialist Co-op in Mathematics	Mathematics	
Major in Mathematics	Mathematics	
Major Co-op in Mathematics	Mathematics	
Specialist in French	French (Second Language)	
Specialist Co-op in French	French (Second Language)	
Major in French	French (Second Language)	
Major Co-op in French	French (Second Language)	

For an Honours B.A. or an Honours B.Sc., students complete: one Specialist program, or two Major programs, or one Major program and two Minor programs.

Note: students enrolled in single-subject Specialist programs can complete an additional Minor for their second teaching subject. Students will be carefully advised to ensure they fulfil these requirements when selecting their additional Major and/or Minor program(s). In addition to the Teaching Subjects Prerequisites for Intermediate/Senior Candidates in the MT (see Appendix A), OISE will develop comprehensive guidelines that will assist the Combined Degree Program students in making decisions regarding selecting additional Major or Minor programs that will help them meet the prerequisites for their second teaching subjects.

The Master of Teaching (MT) program is a full-time professional program of education that leads to a Master degree and eligibility to become a certified teacher in Ontario.

The proposed Combined Degree Programs will provide students with the opportunity to gain early (conditional) graduate admission (in Year 3 of undergraduate study), a clear pathway towards the teaching profession, and access to an enriched combination of academic programs. For example, the above-mentioned undergraduate programs provide students interested in applying to the Combined Degree Program with an exceptional content background required for teaching preparation. Note: Students interested in applying to the MT Program via the Combined Degree Programs should have experience working with groups of children or learners, preferably age-appropriate to the concentration to which they are applying.

Students who successfully complete one of the Combined Degree Programs identified in this proposal, will have earned two University of Toronto degrees (i.e. H.B.Sc./H.B.A. and MT), and be recommended to the Ontario College of Teachers for a Certificate of Qualification, which certifies them to teach in Ontario schools.

Currently, students who are interested at the outset of their undergraduate studies in pursuing a degree in teacher education have applied to and registered in one of the existing Concurrent Teacher Education programs (CTEP). With the restructuring of teacher education in the Province of Ontario, and the move from a one-year to two-year program, CTEP programs have been closed to new admissions. In their place, UTSC and OISE are bringing forward the proposed Combined Degree Programs that build on UTSC's and OISE's long-standing partnership in teacher education.

## 2 Effective Date: September 2017

- First date students will apply to the Combined Degree Programs: **Fall 2016**
- The date the first cohort will be registered in the Combined Degree Programs: **September 2017**
- First year CDP students will be unconditionally in the Graduate Degree Program (where applicable): **September 2018**

## 3 Academic Rationale

UTSC has had a long commitment to teacher education, starting with the Early Teacher Program (ETP) in 1992, and continuing with the Concurrent Teacher Education Program (CTEP). Through these initiatives UTSC has produced superlative Science, Mathematics and French teachers. This tradition



will continue as a suite of Combined Degree Programs. In this proposal, the above listed undergraduate programs at UTSC will be linked to OISE's Master of Teaching, a 2-year graduate level teaching education program.

The Ontario Government has confirmed that, as of September 2015, a two-year B.Ed. program will replace the current one-year B.Ed. programs in Ontario. As the B.Ed. within CTEP is the equivalent of a one-year program, the University of Toronto has ceased admission into CTEP. All Students currently registered in CTEP programs are expected to graduate by June 2018.

OISE has explored possibilities to continue, and build on, the fruitful collaboration in teacher education that it has maintained with its undergraduate CTEP partners. The proposed Combined Degree Programs, Honours Bachelor of Science/Honours Bachelor of Arts with the Master of Teaching build on that collaboration, and are intended to allow students interested in the teaching profession to apply to the Master's program in Year 3 of undergraduate study. A Combined Degree Program (CDP) is a program category that allows a student to be registered in two approved degree programs at the same time and complete the requirements of both in a manner that provides a benefit to the student beyond what would result from completing the two degree programs separately. Students accepted to the MT via the Combined Degree Programs will get an excellent foundation in a range of educational issues and teaching strategies combined with a deep knowledge of the curriculum; and with several research opportunities available, they will develop as teacher-researchers ready to both engage in classrooms, and/or continue their academic career through doctoral study.

As a graduate teacher education program, the MT provides students with a broader range of career options in Canada and internationally (not only in the school system but also in public or private sectors including health care, governmental and non-governmental organizations, business and community). For example, MT graduates are eligible to apply for admission to doctoral programs in education at OISE, other Ontario universities, as well as at leading universities in Canada and around the world.

Owing to their intensive exposure to courses and practical experiences that explore general issues in education, and also to the development of strong subject matter knowledge in their areas of study, students enrolled in the one of the above listed undergraduate programs at UTSC are ideally suited to Combined Degree Programs with the Master of Teaching (MT) program.

## **4 Need and Demand**

The existing CTEP programs have admitted up to 160 students per year distributed across six partner divisions. At the same time, demand for OISE's Master's level teacher education programs has been increasing. For example, in 2014-2015, OISE had 862 applications for 262 places in the Master of Teaching program.

It is expected that the proposed Combined Degree Programs will be popular with students as they will provide them with the opportunity to gain early (conditional) graduate admission, a clear academic pathway, and an enriched combination of academic programs that will support career success. In addition to having a strong content knowledge in two subject areas, all students applying to MT via the Combined Degree Programs will have experience working with children, which is one of the admission requirements to the MT.

Research shows that the quality of teaching is the most significant factor affecting student

achievement, and its impact can directly be influenced by initial and continuing teacher education. Like other professions at the “human interface”, such as psychology and speech pathology—through teacher education at a graduate level—we can educate teacher leaders and teacher researchers who are well prepared to use data to construct tailored interventions for individual students in diverse learning environments. The Master of Teaching program involves rigorous academic standards, high expectations for students, and integrated, comprehensive and sophisticated learning outcomes. The Combined Bachelors and Master’s program leading towards teaching certification will be unique in Ontario, and it is expected to be highly competitive and in high demand.

Students will be admitted to the MT on a competitive basis as part of the overarching MT target. There will be no minimum or maximum number of students in the total MT enrolment target that may come from the Combined Degree Programs.

## 5 Program Requirements

At UTSC, all students enrolled in any of the above listed undergraduate programs and interested in applying to the Combined Degree Programs must complete the full academic program and degree requirements of their chosen undergraduate program including the requirements for their first teaching subject, and the requirements for the second teaching subject, as well as the MT program requirements. In addition, students must normally be full-time and complete a minimum of 5.0 credits over the three sessions (Fall, Winter and Summer) during each year of study (where necessary, exceptions will be made for students in Co-op programs).

In Year 3, students interested in one of the Combined Degree Programs will apply to the Master of Teaching and the Combined Degree Program through the SGS Graduate Online Admission Application system. Successful students will be conditionally admitted into the Master of Teaching program and the Combined Degree Program. Graduate admission at this point, when the student has not yet completed the undergraduate degree program, is conditional. Once students have accepted a conditional offer of admission to the MT program, they are in the Combined Degree Program. During Year 4 of undergraduate study, they will be eligible to take 1.0 graduate FCE at OISE – CTL7001H (Educational Professionalism, Ethics and the Law) and CTL7009H (Anti-Discriminatory Education), in addition to completing the requirements of their undergraduate degree. The 1.0 graduate FCE will be graded as graduate courses, as per the UAGPP. The graduate courses double count both towards the undergraduate degree (satisfying degree requirements) and the Master of Teaching degree. Students who successfully complete the undergraduate degree program with appropriate grade standing (B+; CGPA of 3.3) and meet the other admission criteria of the MT will at this stage be admitted unconditionally to the MT. In Year 5, these students will continue in their graduate level studies following the normal path to completion with the exception of the two half courses they completed in Year 4. Students will complete the MT in the usual program length of 5 continuous sessions.

## 5.1 Comparison of Curricular Path\*

\*Where necessary, exceptions will be made for students in Co-op programs.

The Programs Taken Separately					Combined Degree Program					
		Term	FCE Requirements	Registration in ROSI FT or PT		Term	FCE Requirements		Registration in ROSI FT and / or PT	
							Degree 1	Degree 2		
UTSC B.A. Or B.Sc.	1st year	f	5.0	FT		1st year	f	5.0		FT
		w								
		s								
	2nd year	f	5.0	FT		2nd year	f	5.0		FT
		w								
		s								
	3rd year	f	5.0	FT		3rd year	f	5.0		FT
		w								
		s								
	4th year	f	5.0	FT		4th year	f	4.0	1.0	
		w								
		s								
M.T.	1st year	f	5.0	FT		5th year	f		3.5 or 4.0	FT
		w		FT			1.5 or 2.0			FT
		s		FT						
	2nd year	f	5.0	FT		6th year	f		3.5 or 4.0	FT
		w		FT			FT			
		s								

## 6 Admission Process

Students in Year 3 of the H.B.Sc. or H.B.A. will be eligible to apply through the School of Graduate Studies Online Application System to the proposed Combined Degree Programs.

Students interested in the Combined Degree Programs will apply during the Fall term of their Year 3, and if eligible, will receive a conditional offer of admission to the MT program by the end of the Winter term of their Year 3 in the undergraduate program.

For students to be given full, unconditional admission to the MT program, they must maintain at least a B+ (3.3) average in their final year or over upper level (C- and D-level) courses; achieve a grade of at least B+ average in the 1.0 FCE graduate courses taken in Year 4; successfully complete the requirements of their chosen H.B.Sc. or H.B.A. program, and have the degree conferred. If at the end of Year 4 the student has not met the requirement of completing a minimum of 6.0 FCEs in the first teaching subject and a minimum of 3.0 (or 6.0 where applicable) FCEs in the second teaching subject, the offer of conditional admission to the Combined Degree Program will be rescinded.

Students in this position could apply separately to the Master of Teacher outside of the Combined Degree Program.

## 7 Admission Requirements

The proposal for the Combined Degree Program does not affect the established admission requirements for the H.B.Sc and H.B.A. degrees.

To be considered for conditional admission to the Master of Teaching and the Combined Degree Program, students must meet the following admission requirements:

1. Be registered in Year 3 of the chosen H.B.Sc. or H.B.A. Degree Program, in one of the above listed undergraduate programs.
2. Have an average grade equivalent of at least B+ (3.3) or better, normally demonstrated by an average grade in the 2nd year.
3. Provide at least two letters of reference ([http://www.oise.utoronto.ca/mt/How\\_To\\_Apply.html](http://www.oise.utoronto.ca/mt/How_To_Apply.html)).
4. Be on course to complete the prerequisites for two teaching subjects (a minimum of 6.0 credits for the primary teaching subject, and a minimum of 3.0 credits for the secondary teaching subject) irrespective of whether they ultimately intend registering in the Intermediate/Senior, Junior/Intermediate or Primary/Junior concentration (Note: candidates must have completed at least half of the teaching subjects prerequisite courses [i.e. 3.0 FCEs in 1st teaching subject, and 1.5 (or 3.0 where applicable) FCEs in 2nd teaching subject] by the time they are conditionally admitted to the MT program, that is, by the 2nd term of 3rd year in the undergraduate program).
5. Meet other qualifications as specified by the MT program:
  - Applicants are admitted under the General Regulations of the School of Graduate Studies.
  - Applicants must also satisfy the Department of Curriculum, Teaching and Learning's additional admission requirements stated below.
  - Applicants must have an appropriate bachelor's degree with the equivalent of a University of Toronto B+ or better in the final year. Note: all students admitted to the MT via the Combined Degree Program must have a higher average grade requirement than that required for admission to the MT alone.
  - In their Statement of Intent, applicants should indicate their preferred concentration (i.e., Primary/ Junior, Junior/Intermediate, or Intermediate/Senior) and describe three significant teaching and/or teaching-related experiences that they have had, especially with groups of children. With reference to these experiences, applicants should identify insights gained about teaching and learning, and explain how, based on these insights, they might contribute to the education of students in today's schools. Included in their resumé, applicants are requested to list, in chart form, the extent of their teaching experiences. The chart should include dates, location of experience, role, and number of hours working with students.
  - A police record check is required in a practicum setting in both Year 1 and 2 of the program.

Note: all students must meet the requirements for two teaching subjects. In order to meet the admissions requirements for their two teaching subjects, applicants must be on course to completing the required number of prerequisite courses in each of their subject areas as part of their

undergraduate studies. Specifically, applicants must have a minimum of 6.0 FCEs in university courses (or equivalent) in their first teaching subject, and a minimum of 3.0 (or 6.0 where applicable) FCEs in university courses (or equivalent) in their second teaching subject. Note: French as a Second Language, International Languages and Science subjects require a minimum of 6.0 credits in university courses (6.0 FCEs). For details, visit the MT website i.e. Intermediate/Senior Teaching Subject prerequisites (see Appendix A):

Note: If at the end of Year 4 the student has not met the requirement of completing 6.0 FCEs in the first teaching subject and a minimum of 3.0 (or 6.0 where applicable) FCEs in the second teaching subject, the offer of conditional admission to the Combined Degree Program will be rescinded. Students in this position could apply separately to the Master of Teacher outside of the Combined Degree Program.

## 8 Calendar Copy

*Please complete highlighted yellow section in the Graduate Calendar template below*

### **UTSC Calendar Copy:**

#### **Combined Degree Programs, UTSC, Honours Bachelor of Science/Honours Bachelor of Arts (Programs Identified Below)/ OISE, Master of Teaching**

The Combined Degree programs for Honours Bachelor of Science and Honours Bachelor of Arts programs at UTSC and the OISE Master of Teaching are designed for students interested in studying the intersections of the Physical sciences, Mathematical sciences, or French and Education, coupled with professional teacher preparation.

It permits the completion of both degrees in six years with 1.0 credit (FCE) that may be counted towards both the undergraduate and graduate degrees. Students admitted to one of the following CDPs follow the academic path to completion outlined below.

#### **The Combined Degree Programs between UTSC and OISE are:**

- Combined Degree Program: UTSC, Honours Bachelor of Science, Specialist in Chemistry/ Master of Teaching
- Combined Degree Program: UTSC, Honours Bachelor of Science, Specialist Co-op in Chemistry/ Master of Teaching
- Combined Degree Program: UTSC, Honours Bachelor of Science, Major in Chemistry/ Master of Teaching
- Combined Degree Program, UTSC, Honours Bachelor of Science, Major Co-op in Chemistry/ Master of Teaching
- Combined Degree Program, UTSC, Honours Bachelor of Science, Specialist in Biological Chemistry/ Master of Teaching
- Combined Degree Program, UTSC, Honours Bachelor of Science, Specialist Co-op in Biological Chemistry/ Master of Teaching
- Combined Degree Program, UTSC, Honours Bachelor of Science, Major in Biochemistry/ Master of Teaching
- Combined Degree Program, UTSC, Honours Bachelor of Science, Major Co-op in Biochemistry/ Master of Teaching
- Combined Degree Program, UTSC, Honours Bachelor of Science, Specialist in Mathematics/

### Master of Teaching

- Combined Degree Program, UTSC, Honours Bachelor of Science, Specialist Co-op in Mathematics/ Master of Teaching
- Combined Degree Program, UTSC, Honours Bachelor of Science, Major in Mathematics/ Master of Teaching
- Combined Degree Program, UTSC, Honours Bachelor of Science, Major Co-op in Mathematics/ Master of Teaching
- Combined Degree Program, UTSC, Honours Bachelor of Science, Specialist in Physics and Astrophysics/ Master of Teaching
- Combined Degree Program, UTSC, Honours Bachelor of Science, Specialist in Physical and Mathematical Sciences/ Master of Teaching
- Combined Degree Program, UTSC, Honours Bachelor of Science, Specialist in Environmental Chemistry/ Master of Teaching
- Combined Degree Program, UTSC, Honours Bachelor of Science, Specialist Co-op in Environmental Chemistry/ Master of Teaching
- Combined Degree Program, UTSC, Honours Bachelor of Science, Specialist in Environmental Physics/ Master of Teaching
- Combined Degree Program, UTSC, Honours Bachelor of Science, Specialist Co-op in Environmental Physics/ Master of Teaching
- Combined Degree Program, UTSC, Honours Bachelor of Arts, Specialist in French/ Master of Teaching
- Combined Degree Program, UTSC, Honours Bachelor of Arts, Specialist Co-op in French/ Master of Teaching
- Combined Degree Program, UTSC, Honours Bachelor of Arts, Major in French/ Master of Teaching
- Combined Degree Program, UTSC, Honours Bachelor of Arts, Major Co-op in French/ Master of Teaching

### Minimum Admission Requirements:

- Applicants must apply to, and be accepted by, at least one of the above listed undergraduate programs at UTSC and also the OISE Master of Teaching program. Applicants must satisfy the admission requirements of each program.
- Students must be enrolled full-time and be in Good Standing in their chosen undergraduate program with a B+ average (3.3) in Year 2 of their program to be eligible for admission into the MT and the Combined Degree Program; students must normally complete a minimum of 5.0 credits over the three terms (Fall, Winter and Summer) during each year of study (where necessary, exceptions will be made for students in Co-op programs).
- Qualified undergraduate students in Year 3 of their chosen undergraduate program(s) may apply to the Combined Degree Program; those accepted to the CDP will receive a conditional offer to of admission to the graduate program.
- Admission into the MT program will have the following conditions:
  - Students must maintain a B+ average (3.3) or higher in their final year of study, or over upper level (C- and D-level) courses;
  - Students must complete the requirements of their chosen undergraduate program;
  - Students must demonstrate conferral of the BSc/BA degree
  - Students must provide at least two letters of reference (see: <http://www.oise.utoronto.ca/mt/Home.html>);

- Students must complete the prerequisites for two teaching subjects irrespective of the grade level they ultimately intend to teach.
  - Students are required to complete a minimum of 6.0 credits in their primary teaching subject, and a minimum of 3.0 credits in their secondary teaching subject (some secondary teaching subjects require more than 3.0 credits; students should consult the OISE website for more information);
  - Students must have completed 3.0 credits in their primary teaching subject, and 1.5 credits (or more where applicable) for their secondary teaching subject by the time they are conditionally admitted to the MT program (i.e., by the second term of Year 3 of the undergraduate program);
  - The table below identifies the **primary** teaching subject each UTSC program fits into; students may need to complete additional courses to fulfill the minimum 3.0 credits required for the secondary teaching subject. Students are advised to consult often with the academic supervisor of their chosen undergraduate program to ensure they fulfill all the necessary requirements of the Combined Degree Program;
- Meet other qualifications as specified by the MT program:
  - Applicants are admitted under the General Regulations of the School of Graduate Studies.
  - Applicants must also satisfy the Department of Curriculum, Teaching and Learning's additional admission requirements stated below.
  - Applicants must have an appropriate bachelor's degree with the equivalent of a University of Toronto B+ or better in the final year. Note: all students admitted to the MT via the Combined Degree Program must have a higher average grade requirement than that required for admission to the MT alone.
  - In their Statement of Intent, applicants should indicate their preferred concentration (i.e., Primary/ Junior, Junior/Intermediate, or Intermediate/Senior) and describe three significant teaching and/or teaching-related experiences that they have had, especially with groups of children. With reference to these experiences, applicants should identify insights gained about teaching and learning, and explain how, based on these insights, they might contribute to the education of students in today's schools. Included in their resumé, applicants are requested to list, in chart form, the extent of their teaching experiences. The chart should include dates, location of experience, role, and number of hours working with students.
  - A police record check is required in a practicum setting in both Year 1 and 2 of the program.

**Table 1: UTSC Programs Fit With OISE MT Teaching Subjects**

<i>UTSC Program</i>	<i>MT Teaching Subjects completed with required courses</i>
Specialist/Specialist Co-op in Biological Chemistry	Science – Chemistry Science – Biology Science – General
Major/Major Co-op in Biochemistry	Science - Biology
Specialist/Specialist Co-op in Chemistry	Science – Chemistry
Major/Major Co-op program in Chemistry	Science – Chemistry
Specialist/Specialist Co-op in Environmental	Science - Chemistry

Chemistry	
Specialist/Specialist Co-op in Environmental Physics	Science - Physics
Specialist in Physics and Astrophysics	Science – Physics
Specialist in Physical and Mathematical Sciences	Science – Physics
Specialist/Specialist Co-op in Mathematics	Mathematics
Major/Major Co-op in Mathematics	Mathematics
Specialist/Specialist Co-op in French	French (Second Language)
Major/Major Co-op in French	French (Second Language)

### Program Requirements:

- Students must complete the full academic program requirements of their undergraduate program(s) and degree, as well as those of the Master of Teaching;
- Students must be registered full-time, and carry a full course load in each year of study, throughout their chosen undergraduate program;
- Students who are admitted to the CDP receive conditional offers of admission to the MT during Year 3 of their chosen undergraduate program, and will commence the MT during Year 4 when they are enrolled in the 1.0 FCE graduate courses;
- In Year 4 of undergraduate studies, combined degree program students must take 1.0 credit (FCEs) in graduate courses as designated by the OISE MT program. The 1.0 graduate FCE will count both towards the undergraduate degree and the MT. A Combined Degree Program student is graded as a graduate student and required to meet graduate expectations in the graduate courses.

### The path to completion is:

- Year 1: BSc requirements
- Year 2: BSc requirements
- Year 3: BSc requirements
- Year 4: BSc requirements PLUS 1.0 credit (FCE) in graduate courses
- Year 5: MT first year requirements
- Year 6: MT second year requirements

Program Length: 6 years full-time

Time Limit: BSc/BA + 3 years MT

### Contact Information:

Honours Bachelor of Science (H.B.Sc.)/Honours Bachelor of Arts (H.B.A.)

University of Toronto Scarborough <http://www.utsc.utoronto.ca/>

- For programs in Biological Chemistry, Biochemistry, Chemistry, Environmental Chemistry, Environmental Physics, Physics and Astrophysics, and Physical and Mathematical Sciences, contact the Department of Physical and Environmental Sciences  
<http://www.utsc.utoronto.ca/physsci/>
- For programs in Mathematics contact the Department of Computer and Mathematical Sciences  
<http://www.utsc.utoronto.ca/cms/>
- For programs in French, contact the Centre for French and Linguistics:  
<http://www.utsc.utoronto.ca/cfl/>



Master of Teaching (MT)

Ontario Institute for Studies in Education <http://www.oise.utoronto.ca/oise/>

Department of Curriculum Teaching and Learning <http://www.oise.utoronto.ca/ctl/>

## **SGS Calendar Copy:**

Every combination of degree programs is understood as a unique Combined Degree Program, thus this proposal an omnibus proposal for 22 distinct CDPs. Each combination will have a discreet SGS Calendar entry. The entry below is for the Combined Degree Program: UTSC, Honours Bachelor of Arts, Major in French / Master of Teaching. As each combination has the same admission and graduate program requirements, the entry below is representative of all 22 versions.

# 2016-17 SGS Calendar French (Major), Honours Bachelor of Arts / Master of Teaching

## Overview

The **Combined Degree Program (CDP): UTSC, Honours Bachelor of Arts, Major in French / Master of Teaching** is designed for students interested in studying the intersections of French and Education, coupled with professional teacher preparation.

Students earn a bachelor's degree from UTSC and an accredited professional Master of Teaching (MT) degree at the Ontario Institute for Studies in Education (OISE). They will be recommended to the Ontario College of Teachers for an Ontario Teacher's Certificate of Qualifications as elementary or secondary school teachers. Distinct advantages include:

- early application to the MT program (in Year 3) and conditional admission to the MT program;
- eligibility for certification as a teacher in Ontario; and
- eligibility to apply for doctoral study.

This CDP permits the completion of both degrees in six years with 1.0 credit (full-course equivalent [FCE]) that may be counted towards both the undergraduate and graduate degrees.

For a general description of CDPs, see General Regulations section 1.5.3.

## Degree Programs in This Combination

**French**, HBA

**Teaching**, MT

## Application Process

- Applicants apply to the HBA program, the MT program, and the CDP.

## Requirements

### Minimum Admission Requirements

- Applicants must have been admitted to the HBA degree program and the French major program.
- Applicants must meet the admission requirements of the School of Graduate Studies and the MT program.
- In addition, applicants to the MT program must have an average grade of at least B+ (3.3).
- Please see the contact information below to find details on each program's admission requirements.
- In their Statement of Intent, applicants should indicate their preferred concentration (i.e., Primary/Junior, Junior/Intermediate, or Intermediate/Senior) and describe three significant teaching and/or teaching-related experiences that they have had, especially with groups of children. With reference to these experiences, applicants should identify

insights gained about teaching and learning, and explain how, based on these insights, they might contribute to the education of students in today's schools. Included in their resumé, applicants are requested to list, in chart form, the extent of their teaching experiences. The chart should include dates, location of experience, role, and number of hours working with students.

- Applicants to each concentration will have completed a minimum of 6.0 full-course equivalents (FCEs) as part of the French major requirements in the first teaching subject, and a minimum of 3.0 FCEs in the second teaching subject, from a recognized university. The 22 eligible teaching subjects are:
  - Business studies: accounting, general
  - Dramatic arts
  - English
  - French as a second language
  - Geography
  - Health and physical education
  - History
  - International languages: German, Italian, Spanish, other
  - Mathematics
  - Music: instrumental, vocal
  - Religious education
  - Science: biology, chemistry, physics, general
  - Social science: general
  - Visual arts.

## Academic Path to Completion

Every CDP involves a specific combination of approved degree programs. The CDP requirements build on those of the two separate degree programs. Each CDP has a unique pattern of academic activity year by year.

Year	Curricular Path	Specific Requirements*
1 to 4	<ul style="list-style-type: none"> <li>• HBA program requirements</li> <li>• In Year 4, complete 1.0 full-course equivalent (FCE) in graduate courses</li> <li>• By the end of Year 4, fulfil both the undergraduate program requirements and the undergraduate degree requirements</li> </ul>	<ul style="list-style-type: none"> <li>• 19.0 FCEs in undergraduate courses               <ul style="list-style-type: none"> <li>◦ this includes a minimum of 6.0 FCEs as part of the French major requirements in the first teaching subject, and a minimum of 3.0 FCEs in the second teaching subject</li> </ul> </li> <li>• CTL 7001H and CTL 7009H, to be taken in Year 4, and which is double counted towards the program requirements for the HBA and MT degree programs</li> </ul>
5	<ul style="list-style-type: none"> <li>• Remaining courses from Year 1 of the MT program</li> </ul>	<ul style="list-style-type: none"> <li>• 4.5 FCEs of Year 1 MT program requirements</li> </ul>
6	<ul style="list-style-type: none"> <li>• Remaining courses from Year 2 of the MT program</li> </ul>	<ul style="list-style-type: none"> <li>• 4.5 FCEs of Year 2 MT program requirements</li> </ul>

\*The MT has three concentrations: Primary/Junior, Junior/Intermediate, and Intermediate/Senior. The specific requirements vary based on which concentration is selected. For details, see the MT calendar entry [link].

## Time Limit

The calculation of the time limit for the graduate degree in the CDP begins with full, unconditional admission to the graduate program.

## Contact

Honours Bachelor of Arts Program,  
 Centre for French & Linguistics, University of Toronto Scarborough (UTSC)  
 Web: [www.utsc.utoronto.ca/cfl/](http://www.utsc.utoronto.ca/cfl/)  
 Email: TBA

Master of Teaching Program, Ontario Institute for Studies in Education (OISE)  
 Web: [www.oise.utoronto.ca/mt](http://www.oise.utoronto.ca/mt)  
 Email: [mtinfo@utoronto.ca](mailto:mtinfo@utoronto.ca)

## 9 Consultation

This proposal is the product of extensive consultation between the Dean's Offices of the University of Toronto Scarborough and the Ontario Institute for Studies in Education, the academic units offering the undergraduate programs and the Master of Teaching program.

This proposal document captures the curricular arrangements of the Combined Degree Programs. The specific arrangements between OISE and UTSC are outline in the appended MOU.

## 10 Governance Process

Steps	Approval
<b>Development of proposal in close consultation between Dean's Offices</b>	<ul style="list-style-type: none"> <li>• Associate Dean, Programs, OISE</li> <li>• Vice Dean Undergraduate, UTSC</li> </ul>
<b>Consultation with Provost's Office</b>	<ul style="list-style-type: none"> <li>• Office of the Vice Provost, Academic Programs</li> <li>• Provost's Advisory Group</li> </ul>
	<p>Approval by units – OISE:</p> <ul style="list-style-type: none"> <li>• CTL Council: January 13, 2016</li> <li>• OISE Academic Programs Committee: January 29, 2016</li> <li>• OISE Council: February 17, 2016</li> </ul> <p>Approval by units – UTSC</p> <ul style="list-style-type: none"> <li>• CMS DCC: December 21, 2015</li> <li>• DPES DCC: December 16, 2015</li> <li>• CFL DCC: December 17, 2015</li> <li>• UTSC Decanal Undergraduate Curriculum Committee: January 22, 2016</li> <li>• UTSC Academic Affairs Committee: February 25, 2016</li> </ul>
<b>Submission to Provost's Office</b>	
<b>Report to AP&amp;P (by P.O.)</b>	
<b>Report to Ontario Quality Council (by P.O.)</b>	

# Appendix A Intermediate/Senior Teaching Subject Prerequisites – Master of Teaching, 2016-17

Applicants who apply to the Master of Teaching Program must specify which concentration and corresponding teaching subject(s) they would like to apply for.

A course will be counted as a prerequisite toward your teaching subject(s) chosen if you have completed and received credit for the course or if you can prove you are currently enrolled in the prerequisite course on your transcript. Note that the course you are enrolled in must be completed before the start of the Master of Teaching Program.

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## Intermediate/ Senior Concentration (I/S)

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Applicants who apply to this concentration will be eligible to teach children from grades seven to twelve. Please note that you must select **two** teaching subjects from the list below. Please ensure that you have the required number of courses in the subjects listed below prior to applying to this concentration.

### **Important Notes:**

- Applicants may choose only one of Music-Instrumental **or** Music-Vocal, not both
- If candidates select two science teaching subjects, they must have a minimum of 10 full-year university courses in the sciences and these must include the prerequisite courses for each of the two science teaching subjects

<b>Intermediate/Senior Teaching Subjects &amp; Prerequisites</b>	
<b>Teaching Subject</b>	<b>Prerequisite</b>
English (First Language)	Six full-year university courses in English if selected as your first choice teaching subject, or three full-year university courses if selected as your second choice teaching subject
History	<p>Six full-year university courses in History if selected as your first choice teaching subject, or three full-year university courses if selected as your second choice teaching subject.</p> <ul style="list-style-type: none"> <li>• Up to 1 full-year course in Political Science, Philosophy, or subject-specific history such as Art History or Music History, may be counted towards this prerequisite</li> </ul>

Religious Education	Six full-year university courses in Theology or Religious Studies if selected as your first choice teaching subject, or three full-year university courses if selected as your second choice teaching subject. <i>(This course is primarily intended to prepare teachers of Religious Education in Roman Catholic Secondary Schools)</i>
Mathematics	Six full-year university courses in Mathematics if selected as your first choice teaching subject, or three full-year university courses if selected as your second choice teaching subject <ul style="list-style-type: none"> <li>• Up to 1 full-year course in Statistics may be counted towards this prerequisite</li> </ul>
Science - Biology	Six full-year university courses in Science, with a minimum of four full-year courses in Biology <i>(regardless of whether it is the first or second choice teaching subject)</i> <ul style="list-style-type: none"> <li>• Biochemistry is accepted as Chemistry or Biology</li> <li>• Courses in Botany, Zoology, and life sciences such as Anatomy, Physiology, Immunology, and Genetics are accepted as Biology</li> <li>• Psychology courses are <b>not</b> accepted towards this prerequisite</li> </ul>
Science - Chemistry	Six full-year university courses in Science, with a minimum of four full-year courses in Chemistry <i>(regardless of whether it is the first or second choice teaching subject)</i> <ul style="list-style-type: none"> <li>• Biochemistry is accepted as Chemistry or Biology</li> </ul>
Science - Physics	Six full-year university courses in Science, with a minimum of four full-year courses in Physics <i>(regardless of whether it is the first or second choice teaching subject)</i> <ul style="list-style-type: none"> <li>• Astrophysics and Geophysics are acceptable</li> </ul>
Science - General	<ul style="list-style-type: none"> <li>• Psychology courses are <b>not</b> accepted towards this prerequisite</li> </ul> <p>Six full-year university courses in Science, with a minimum of one full-year course in each area of Biology, Chemistry, and Physics <i>(regardless of whether it is the first or second choice teaching subject)</i></p>

Social Science - General	Six full-year university courses in any of Psychology, Sociology or Anthropology if selected as your first choice teaching subject, or three full-year university courses if selected as your second choice
Music-Instrumental	<p>Six full-year university courses in Instrumental Music if selected as your first choice teaching subject, or three full-year university courses if selected as your second choice teaching subject.</p> <ul style="list-style-type: none"> <li>Applicants may choose only <b>one</b> of: Music-Instrumental or Music-Vocal</li> </ul>
Music-Vocal	<p>Six full-year university courses in Vocal Music if selected as your first choice teaching subject, or three full-year university courses if selected as your second choice teaching subject.</p> <ul style="list-style-type: none"> <li>Applicants may choose only <b>one</b> of: Music-Instrumental or Music-Vocal</li> </ul>
Health and Physical Education	Six full-year university courses in Health and Physical Education if selected as your first choice teaching subject, or three full-year university courses if selected as your second choice teaching subject.
French (Second Language)	<p>Six full-year university courses in French and demonstrated written and oral proficiency (<i>regardless of whether it is the first or second choice teaching subject</i>)</p> <ul style="list-style-type: none"> <li>If admissible to the program, applicants who select French as a Second Language as a teaching subject must demonstrate oral and written proficiency in French prior to registering in the program through testing administered at the time of admission. Applicants who fail to demonstrate proficiency will be deemed to have NOT satisfied the prerequisite for the French teaching subject even if they have the required number of academic courses. Refer to the OISE Proficiency Test in French &amp; International Languages (OPTFIL) for detailed information about the test</li> </ul>

*\*Not all teaching subjects may be offered in a given year. OISE reserves the right to cancel courses for which enrolment or resources are insufficient.*