



TORONTO INTERNATIONAL
OSLIFE SCHOOL

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Course Calendar

***Inspiring academic excellence for students & strong
confidence for parents***



Revised July 2025



TORONTO INTERNATIONAL OSLIFE SCHOOL

COURSE CALENDAR

Inspiring academic excellence for students & strong confidence for parents

SCHOOL OVERVIEW

Welcome to Toronto International Oslife School (TIOS)! With thousands of private schools throughout the country, we are very happy that you have decided to join an elite group of TIOS students who recognize the excellence of our school's support for students. In everything we do here at TIOS, we strive to live our mission statement by inspiring academic excellence in all course offerings that prepare students for university admission and by ensuring that parents have strong confidence in the support that we provide to all students.

TIOS was founded by a consortium of educators who bring 75+ years of experience in publicly funded education in the Toronto area. As former teachers, Principals and school board leaders, we fully understand the diverse learning needs of students – both those in Ontario who wish to enhance their public-school credit profiles and those living abroad who strive to attend high school or university here in Canada. At TIOS, we have something for each of you - - - and we are very proud of the achievement of our students! Ontario students are required to remain fully registered in secondary school up to the age of eighteen years, and TIOS is designed to ensure that this commitment is met in a rich learning environment designed to flexibly meet the needs of all students.

TIOS is a fully inspected private school in the Province of Ontario and is eligible to offer certified secondary school credits using the BSID #665471. Our courses were developed and are taught by Ontario teachers, many of whom are registered at the Ontario College of Teachers. Courses are offered in traditional subject areas such as Mathematics, Science, English and Social Science and stringently follow the curricular requirements of the Ontario Ministry of Education. At TIOS, we serve several students groups:

- Students wishing to earn an OSSD (Ontario Secondary School Diploma) with TIOS as their home school can accumulate their 30 credits for diploma eligibility with us, including university preparation courses that will allow them to apply and be eligible for admission to any university in the province of Ontario or across Canada.
- Students currently studying in publicly-funded secondary schools in the GTA such as the Peel District School Board, the Toronto District School Board and more. Our course offerings allow these students to engage in part-time studies and take courses at TIOS that enhance their public-school credit profile. Popular courses for you will be in the areas of Mathematics, Science, Business Studies, English and many more.
- Students currently living abroad, in China and elsewhere, who wish to earn high school credits for diploma purposes prior to arriving in Canada for a full-time course of study. Popular courses for these students will include English as a Second Language and regular English courses.

Toronto International Oslife School (BSID #665471) is a private, online and in-person secondary school that offers students worldwide the opportunity to earn an Ontario Secondary School Diploma (OSSD) regardless of where you live – Canada or abroad. TIOS is located in a suburb of Toronto, Canada's largest and most diverse city. As a full-service online and in-person school, we support students from all corners of the world ... we are Canada-based but globally oriented. We offer Grade 10 to Grade 12 Ontario high school courses. TIOS is a Ministry-inspected school that offers credits upon completion of 110-hour courses that follow the



Ontario curriculum. Upon completion, these credits can be either transferred to the student's home school or can count towards the completion of the OSSD here at TIOS. In the latter instance, the student's Ontario School Record (OSR) is safely and securely stored in our school office.

THE TIOS ADVANTAGE

- **Ministry of Education (Ontario) Approved**

Toronto International Oslife School (TIOS), BSID #665471, is a private Ontario online and in-person secondary school that offers students worldwide the opportunity to receive an Ontario Secondary School Diploma (OSSD). TIOS has passed the Ministry of Education of Ontario's inspection process and therefore can grant credits towards the OSSD.

- **Universities and Colleges recognize TIOS credits**

Both colleges and universities will accept all credits granted through TIOS. Students earn OSSD credits at TIOS, which are the same credits that a student would earn in any secondary school in Ontario. As a result, post-secondary institutions will not view these credits any differently. For online courses, the asynchronous model of delivery demands that students be motivated, goal-orientated, and independent—all of which are essential for student success in post-secondary settings.

- **Comprehensive Online Learning Experience**

In addition to in-person courses, TIOS offers fully online, highly interactive high school courses that have been developed with the educational needs of the student at the forefront. Each course's content follows its designated curriculum guideline and has been developed by teachers who are experts within their professional disciplines. Our course content covers everything that bricks-and-mortar schools courses cover, except that many of our courses are delivered virtually. All of our online courses are password-protected, ensuring a secure and safe environment for the students. Within this environment, we have created an innovative and comprehensive set of customizable online learning tools to assist students in their learning. Any online learning environment requires diverse course content. With this in mind, TIOS offers many features designed to engage students in a stimulating learning environment.

- **Flexibility**

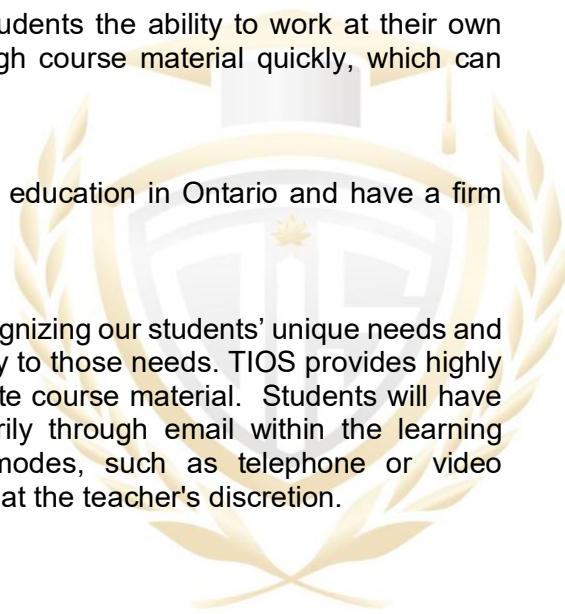
Our self-directed learning environment affords students the ability to work at their own pace. Highly motivated students can work through course material quickly, which can accelerate their educational experiences.

- **Academic Integrity**

We maintain the highest academic standards for education in Ontario and have a firm commitment to academic integrity and honesty.

- **Fully Qualified, Caring Teachers**

All students are unique. At TIOS, we prioritize recognizing our students' unique needs and delivering online programs that respond effectively to those needs. TIOS provides highly skilled teachers to mentor students and to facilitate course material. Students will have the same teacher and will communicate primarily through email within the learning environment. However, other communication modes, such as telephone or video conferencing, may be arranged upon request and at the teacher's discretion.





- **Course Materials Online**

All online course content and assessments exist within our secure learning environment. Optional textbooks for extra practice to solidify concepts are sometimes suggested but not required. English courses often recommend alternative novels and readings, which may capture the student's interest and make the material more meaningful to the student. The cost of securing these optional materials is the responsibility of the student.

- **Guidance Services**

TIOS provides guidance services and will communicate with the student's home school to ensure that they have your registration information and receive report cards so your grades can be entered on the student's transcript. If TIOS is the student's home school the staff will house the student's Ontario Student Record (OSR) and will communicate with OUAC, OCAS or any other applicable post-secondary institution.

- **Continuous Registration Intake**

TIOS has continuous intake, which means students may register on any day of the year.

SCHOOL ORGANIZATION

There are no defined semesters for our in-person or online courses at the school. The school provides flexible scheduling for students. Online courses, however, must be completed within six (6) months of registration and are all 110 hours in duration.

Students who are registered for in-person learning will complete at least 110 hours of classroom instruction to earn credits.

THE ONTARIO SECONDARY SCHOOL DIPLOMA (OSSD)

In order to earn the Ontario Secondary School Diploma (OSSD) at TIOS, a student must:

- accumulate 17 compulsory credits (*NEW!*);
- accumulate 13 additional optional credits (*NEW!*);
- complete 40 hours of community involvement activities; and
- successfully meet the Ontario provincial literacy requirement.

Note: Students and parents are encouraged to consult the following website to learn more about graduation requirements to earn an OSSD. These graduation requirements have been recently modified slightly and are differentiated for students who started Grade 9 *before* Fall 2023 or *after* Fall 2024. Please visit <https://www.ontario.ca/page/earning-your-high-school-diploma> for further information.

(a) Compulsory credits

Students who entered Grade 9 in 2023 or earlier must earn a total of 18 compulsory credits, and students entering Grade 9 in 2024-25 onwards must earn a total of 17 compulsory credits to obtain their Ontario Secondary School Diploma (OSSD).



Entry into Grade 9 in 2023-24 or earlier

For students who entered Grade 9 in September 2023 or earlier, the compulsory credits are to be distributed as follows:

- 4 credits in English (1 per grade)
 - the Ontario Secondary School Literacy Course (OSSLC) may be used as either the Grade 11 or the Grade 12 compulsory English credit
 - the Grade 11 course “Understanding Contemporary First Nations, Métis and Inuit Voices” may be used as the Grade 11 compulsory English credit
 - for English language learners, a maximum of three compulsory English credits may be earned from English as a second language (ESL) or English literacy development (ELD) courses. The fourth credit must be a Grade 12 compulsory English course
- 3 credits in Mathematics (at least 1 in Grade 11 or Grade 12)
- 2 credits in Science
- 1 credit in the Arts
 - the Grade 9 course “Expressions of First Nations, Métis and Inuit Cultures” may be used as the compulsory arts credit
- 1 credit in Canadian Geography (Grade 9)
- 1 credit in Canadian History (Grade 10)
- 1 credit in French as a Second Language
- 1 credit in Health and Physical Education
- 0.5 credits in Career Studies
- 0.5 credits in Civics and Citizenship
- 3 additional credits, consisting of 1 credit from curricula within each of the following groups:

Group 1:

- English (including the OSSLC)
- French as a Second Language
- Native Languages
- First Nations, Métis and Inuit Studies
- Classical and International Languages
- Social Sciences and the Humanities
- Canadian and World Studies
- Guidance and Career Education
- Cooperative Education
- American Sign Language as a Second Language

Group 2:

- Health and Physical Education
- The Arts
- Business Studies
- French as a Second Language
- Cooperative Education
- American Sign Language as a Second Language



Group 3:

- Science (Grade 11 or 12)
- Technological Education
- French as a Second Language
- Computer Studies
- Cooperative Education
- American Sign Language as a second language

The following conditions apply to selections from the above three groups:

- a maximum of 2 credits in French as a Second Language may be used as additional compulsory credits: 1 credit from Group 1 and 1 credit from either Group 2 or Group 3
- a maximum of 2 credits in Cooperative Education may be used as additional compulsory credits, selected from any group





Entry into Grade 9 in 2024-25 onwards

For students entering Grade 9 in 2024-25 onwards, the compulsory credits are to be distributed as follows:

- 4 credits in English (1 per grade)
 - the Ontario Secondary School Literacy Course (OSSLC) may be used as either the Grade 11 or the Grade 12 compulsory English credit
 - the Grade 11 course “Understanding Contemporary First Nations, Métis and Inuit Voices” may be used as the Grade 11 compulsory English credit
 - for English language learners, a maximum of three compulsory English credits may be earned from English as a Second Language (ESL) or English Literacy Development (ELD) courses. The fourth credit must be a Grade 12 compulsory English course
- 3 credits in Mathematics (Grade 9, Grade 10 and 1 credit in Grade 11 or 12)
- 2 credits in Science
- 1 credit in The Arts
 - the Grade 9 course “Expressions of First Nations, Métis and Inuit Cultures” may be used as the compulsory Arts credit
- 1 credit in Canadian Geography (Grade 9)
- 1 credit in Canadian History (Grade 10)
- 1 credit in French as a Second Language
- 1 credit in Health and Physical Education
- 0.5 credits in Career Studies
- 0.5 credits in Civics and Citizenship
- 1 credit in Technological Education (Grade 9 or 10)
- 1 additional credit from curricula in the following STEM-related group:
 - Business Studies
 - Computer Studies
 - Cooperative Education
 - Mathematics (in addition to the 3 compulsory credits currently required)
 - Science (in addition to the 2 compulsory credits currently required)
 - Technological Education (in addition to the 1 compulsory credit required)

Note: Starting in September 2025, students enrolled in a Grade 10 Mathematics course must successfully complete a financial literacy graduation requirement as part of the course. They will need to achieve a mark of 70% or higher to pass this new requirement and earn their high school diploma.

(b) Optional credits

In addition to compulsory credits, students must earn optional credits by successfully completing courses from the Ontario Curriculum.

Students who entered Grade 9 in 2023 or earlier are required to earn 18 compulsory credits and 12 optional credits.

Students entering Grade 9 in 2024-25 onwards are required to earn 17 compulsory credits and 13 optional credits.



DEFINITION OF CREDITS & COURSE CODES

In all Ontario high schools, public or private, a credit is granted when a student successfully completes a course that is scheduled for a minimum of 110 hours. “Scheduled time” is defined as the time during which students participate in planned learning activities designed to lead to the achievement of the curriculum expectations of the course. Planned learning activities include interaction between the teacher and student as well as assigned individual and/or group work, excluding homework.

- (a) **Grade 9 & 10:** In Ontario, new students entering Grade 9 are no longer required to choose between Academic, Applied, Essential or Open level courses. In credit-granting schools in the province of Ontario, Grade 9 courses are now delivered in a destreamed/single stream model. Provincially, Grade 10 courses are offered at the Academic, Applied and Open levels. At TIOS, we do not offer courses at the Grade 9 level. Our Grade 10 offerings include *only* Academic and Open courses.
1. **Destreamed/Single Stream (Grade 9):** These courses are defined by a “W” in the code. Grade 9 courses are designed to provide a rich learning experience for all students and emphasize connections among concepts, real-life applications and students’ lived experiences.
 2. **Academic (Grade 10):** These courses are defined by a “D” in the code. They help develop students’ knowledge and skills by emphasizing theoretical and abstract applications of the essential concepts while incorporating practical applications.
 3. **Applied (Grade 10):** These courses are defined by a “P” in the code. They help develop students’ knowledge and skills by emphasizing practical and concrete applications of the essential concepts while incorporating theoretical applications.
 4. **Open (Grade 10):** These courses are defined by an “O” in the code. They are offered for all non-core subjects and do not have a prescribed post-secondary destination.
- (b) **Grade 11 & 12:** Courses in Grades 11 and 12 are offered in levels that are related to a student’s destination after high school – university, college, apprenticeships or the workplace. Some courses are offered at the Open level. At Toronto International Oslife School, only “U”, “M” and “O” courses are available.
1. **University:** These courses are defined by a “U” in the code. They are designed to prepare students for entrance to university programs following high school.
 2. **University/College:** These courses are defined by an “M” in the code. They are designed to prepare students for entrance to both college and university programs following high school.
 3. **Open:** These courses are defined by an “O” in the code. They are not specific to any particular post-secondary destination and are appropriate for all students.
 4. **College:** These courses are defined by a “C” in the code. They are designed to prepare students for entrance to college programs following high school. “C” level courses are not offered at TIOS.
 5. **Workplace:** These courses are defined by a “W” in the code. They are designed for students planning to enter the workplace directly following high school.

EXPLANATION OF COURSE CODES

All courses offered at Toronto International Oslife School employ a 5-character system that is standard throughout the province and defined by the Ontario Ministry of Education. For example:



ENG4U

E	This first digit indicates the major area of study. E = English, S = Science, M = Mathematics, etc.
N	This second (and third) digit enhance the course description within the subject area. NG = English, BI = Biology, DM = Data Management, etc.
G	This second (and third) digit enhance the course description within the subject area. NG = English, BI = Biology, DM = Data Management, etc.
4	This fourth digit signifies the grade level: 4 = Grade 12, 3 = Grade 11, 2 = Grade 10, etc.
U	This fifth digit indicates the post-secondary destination for the course. U = university preparation, M = college/university preparation, O = open level courses, etc.

LIST OF AVAILABLE COURSES

The following courses are currently available at Toronto International Oslife School:

THE ARTS	
AVI3M	Visual Arts - Grade 11 - University Preparation
AVI4M	Visual Arts – Grade 12 – University Preparation
BUSINESS STUDIES	
BEP2O	Launching & Learning a Business – Grade 10 – Open
BBB4M	International Business Fundamentals – Grade 12 – University Preparation
BOH4M	Business Leadership – Grade 12 – University Preparation
CIA4U	Economics - Grade 12 - University Preparation
CANADIAN & WORLD STUDIES	
CHV2O	Civics & Citizenship - Grade 10 - Open
CAREER EDUCATION	
GLC2O	Career Studies - Grade 10 - Open
COMPUTER STUDIES	
ICS3U	Computer Studies – Grade 11 – University Preparation
ICS4U	Computer Studies – Grade 12 – University Preparation
ENGLISH	
ENG2D	English – Grade 10 - Academic (used as substitute for ESL-E)
ENG3U	English – Grade 11 – University Preparation
ENG4U	English – Grade 12 – University Preparation
OLC4O	Ontario Literacy Course - Grade 12 - Open
ENGLISH AS A SECOND LANGUAGE	
ESL-B	English as a Second Language – Level B
ESL-C	English as a Second Language – Level C
ESL-D	English as a Second Language – Level D
ESL-E	English as a Second Language – Level E
INTERNATIONAL LANGUAGES	



LKBDU	Mandarin – Grade 12 – University Preparation
MATHEMATICS	
MPM2D	Mathematics – Grade 10 - Academic
MCR3U	Functions – Grade 11 – University Preparation
MHF4U	Advanced Functions – Grade 12 – University Preparation
MDM4U	Data Management – Grade 12 – University Preparation
MCV4U	Calculus & Vectors – Grade 12 – University Preparation
SCIENCE	
SNC2D	Science – Grade 10 – Academic
SBI3U	Biology – Grade 11 – University Preparation
SCH3U	Chemistry – Grade 11 – University Preparation
SPH3U	Physics – Grade 11 – University Preparation
SBI4U	Biology – Grade 12 – University Preparation
SCH4U	Chemistry – Grade 12 – University Preparation
SPH4U	Physics – Grade 12 – University Preparation
SOCIAL SCIENCES & HUMANITIES	
HSP3U	Anthropology, Psychology, Sociology - Grade 11 - University Preparation
HFA4U	Food & Nutrition – Grade 12 – University Preparation
TECHNOLOGICAL EDUCATION	
TGJ2O	Communications Technology – Grade 10 - Open

Curriculum documents for all secondary courses are available online at the following URL:
<https://www.dcp.edu.gov.on.ca/en/>

Course outlines for all TIOS courses are included as part of introductory activities in each course. Detailed course descriptions are found as part of this Course Calendar.

COMMUNITY INVOLVEMENT

As part of the Ontario Secondary School Diploma requirements, students must complete a minimum of 40 hours of community involvement activities. The purpose of this activity is to remind students of their community obligations and to encourage them to contribute to society beyond the minimum number of hours required as well as to continue to make a selfless contribution to their community in the future.

Students are responsible for completing the required number of hours on their own time – during lunch hour, after school, on weekends, or during school holidays - and for keeping track of their activities under the guidance of the school Principal. Students must choose an activity that is approved by the school such as helping classmates with schoolwork, assisting in sports activities at a community centre, helping senior citizens, involvement in community events, volunteering at a hospital or in the community.

Student activities are not to displace workers or to be during scheduled classroom time. Grade 8 students are allowed to start their volunteer hours when they complete their Grade 8 academic studies.



- a) **Approved Activities:** Students can seek opportunities in the community by offering assistance to service clubs, community groups, charities, conservation groups, health agencies and others. For example:
- fundraising (not-for-profit organizations)
 - community sports coaching
 - helping to organize community events
 - participating in environmental projects
 - assisting seniors
 - participating on committees
 - participating on community projects
- b) **Ineligible Activities:**
- any activity where you are paid
 - Co-Operative education experiences
 - any required activities of a course or program
 - playing on a school or recreational sports team
 - court-ordered community service programs
 - alternative measures program
 - any diversionary program that uses community service
 - any activity in an unsafe, unsupervised environment

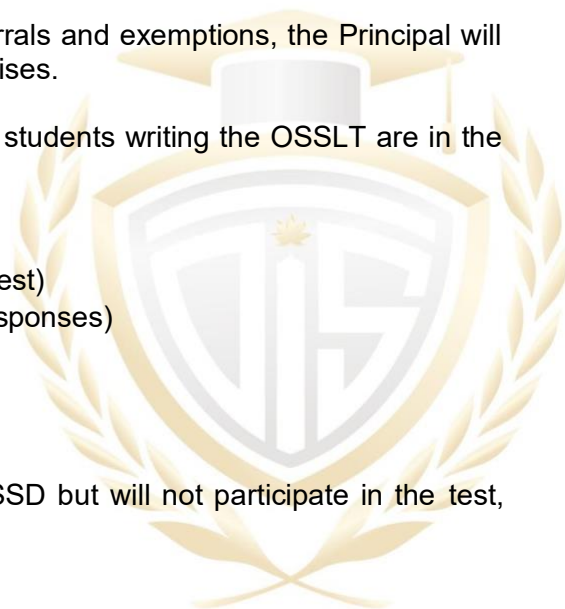
THE ONTARIO SECONDARY SCHOOL LITERACY TEST (OSSLT) & COURSE (OSSLC)

Students must pass the Ontario Secondary School Literacy Test, which is administered annually. Passing the test is a requirement of the OSSD. Students who do not pass may take the Ontario Secondary School Literacy Course (OSSLC). The school Principal has the discretion to allow a student to enrol in the OSSLC before he or she has had a second opportunity to take the OSSLT, if the Principal determines that it is in the best educational interests of the student.

Students who pass the course are considered to have met the literacy graduation requirement. The literacy requirements are in the best interest of the students. The result is recorded on the student transcript.

In the case of accommodations, special provisions, deferrals and exemptions, the Principal will contact the EQAO directly to apply for them if the need arises.

- a) **Accommodations:** The accommodations provided for students writing the OSSLT are in the categories of:
- Setting
 - Time
 - Presentation Format (formats for administration of test)
 - Response Format (permitted formats for student responses)
 - Audio Recording of Responses
 - Verbatim Scribing of responses
 - Video Recording of Responses (reading only)
- b) **Deferrals:** The student who is working toward an OSSD but will not participate in the test, because:





- The student is an English language learner and has not yet acquired a level of proficiency in English sufficient to participate;
- The student has been identified as exceptional by an Identification, Placement and Review Committee and would not be able to participate in the test even if all accommodations were provided;
- The student has not yet acquired the reading and writing skills appropriate for Grade 9 or
- The student has a temporary condition owing to illness or injury (e.g., a broken arm) or is new to the school, and appropriate accommodations cannot be provided.

To make a deferral decision it must be done:

- prior to the test;
- for each student individually; and
- in consultation with the student and parents or guardians or the adult student, and with the appropriate teaching staff.

SUBSTITUTIONS FOR COMPULSORY CREDITS

In order to allow flexibility in designing a student's program and to ensure that all students can qualify for the secondary school diploma, substitutions may be made for a limited number of compulsory courses. These substitution courses must be selected from the course offerings of TIOS that meet the requirements for compulsory credits. To meet individual students' needs, the Principal may replace up to three (3) of these courses (or the equivalent of half courses) with the courses that meet the compulsory credit requirements. Each substitution will be noted on the student's Ontario Student Transcript.

PREREQUISITE COURSES

A prerequisite course is identified by the Ministry of Education guidelines as being essential preparation for a particular course that follows. At TIOS, students must complete the prerequisite identified for the course they wish to register for. A proof of prerequisite completion is mandatory prior to course registration.

WAIVING PREREQUISITES

If a student requests that a prerequisite be waived, the Principal will determine whether or not the prerequisite should be waived. The Principal may also initiate consideration of whether a prerequisite should be waived. The Principal will make their decision in consultation with the parent and appropriate school staff. The Principal's decision is final and there is no further avenue of appeal. As part of the consideration of whether or not the prerequisite may be waived, the student may be asked to take a special test or examination.

TUTORING & REMEDIAL PROGRAMS

When necessary, the school will provide its students with tutoring services (online or on-site).

For the purpose of remediation, the Principal may decide to add instructional hours to a course, in addition to the mandated 110 hours of instruction.

TIOS operates a summer school during the months of July and August. Students who would like to repeat courses or upgrade marks may attend the school during this time.



ASSESSMENT & EVALUATION

The primary purpose of **assessment** is to improve student learning. Assessment relates directly to the expectations for the course. A variety of assessments *for* and *as* learning are conducted on a regular basis to allow ample opportunities for students to improve and ultimately demonstrate their full range of learning and in order for the teacher to gather information to provide feedback. Assessment tasks relate to the success criteria set out in lesson plans. Success criteria allow students to see what quality looks like.

Evaluation is the process of judging the quality of student work in relation to the achievement chart categories and criteria, and assigning a percentage grade to represent that quality. Evaluation is based on gathering evidence of student achievement through:

- Products
- Observations
- Conversations

Grading Policy

The final grade is based on performance in 3 areas: products, observations, conversations. 70% of the grade is based on evaluations conducted throughout the course. 30% is based on a final evaluation.

Weighting of Categories

Knowledge & Understanding	Thinking	Communication	Application
30%	20%	20%	30%

When completing assignments and activities, all TIOS courses clearly indicate to students which type of assessment & evaluation the teacher is applying to each activity.

- **Assessment *for* Learning:** Assessment *FOR* Learning is the process of seeking and interpreting evidence for the use of learners and their teachers to decide where the learners are in their learning, where they need to go, and how best to go there.
- **Assessment *as* Learning** - Assessment *AS* Learning is the process of the explicit fostering of students' capacity over time to be their own best assessors, but teachers need to start by presenting and modelling external, structured opportunities for students to assess themselves.
- **Assessment *of* Learning** – Assessment *OF* Learning is the assessment that becomes public and results in statements of symbols (marks/grades/levels of achievement) about how well students are learning. It often contributes to pivotal decisions that will affect students' future.

REPORT CARDS



At the end of each TIOS course, an official Ontario Report Card will be given to the student with the percentage final grade achieved, credit earned, attendance details and a record of the learning skills demonstrated by the student.

Report cards will include evaluation of students' Learning Skills and Work habits as follows:

- Responsibility
- Organization
- Independent Work
- Collaboration
- Initiative
- Self-Regulation

Rubrics for the above levels of achievement and learning skills are clearly explained in the Ontario Ministry of Education guide on assessment & evaluation, *Growing Success*, at the following URL:

www.edu.gov.on.ca/eng/policyfunding/growsuccess.pdf

THE ONTARIO STUDENT RECORD (OSR)

The Ontario Student Record (OSR) is the record of a student's educational progress through schools in Ontario. The Education Act requires that the Principal of a school collect information "for inclusion in a record in respect of each pupil enrolled in the school and to establish, maintain, retain, transfer and dispose of the record". The act also regulates access to an OSR and states that the OSR is "privileged for the information and use of Supervisory Officers and the Principal and Teachers of the school for the improvement of instruction" of the student. For students wishing to enrol full-time at TIOS, the school will establish and securely store the student's OSR.

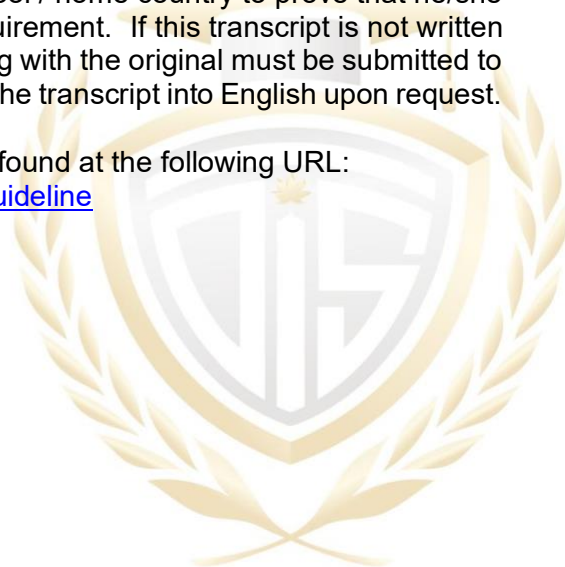
In order to create this file, TIOS requires that the student provide the following documentation:

- **Official documentation:** This must be photo identification (passport, driver's license, etc.) or a birth certificate; and
- **Official transcripts:** When taking a course that requires a prerequisite, TIOS requires a copy of the student's official transcript from their home school / home country to prove that he/she has met the equivalent of the prerequisite course requirement. If this transcript is not written in English, an English translation of the transcript along with the original must be submitted to TIOS. Many issuing schools may be able to translate the transcript into English upon request.

More information on the Ontario School Record (OSR) is found at the following URL:

<https://www.ontario.ca/page/ontario-student-record-osr-guideline>

THE ONTARIO STUDENT TRANSCRIPT (OST)





The Ontario Student Transcript (OST) is an official document issued by public schools throughout Ontario as well as by Ministry-inspected private schools in Ontario such as Toronto International Oslife School (TIOS). The OST is a record of all secondary school courses and other OSSD requirements completed by a single student. This document is stored in the student's Ontario Student Record (OSR) and is retained for 55 years following the end of a student's high school education.

The OST will track and record:

- OSSD credits successfully earned;
- Unsuccessful course attempts in Grades 11 and 12;
- Withdrawals from Grade 11 and Grade 12 courses if the student progresses past the mid-term point;
- Repeated courses in Grades 11 and 12;
- Equivalent credits granted for schoolwork completed at institutions outside of Ontario (such as equivalent credits granted from schools abroad);
- Completion of the required 40 hours of Community Involvement;
- The successful completion of the Ontario Secondary School Literacy (OSSLT or OSSLIC) requirement; and
- Any Ontario Secondary School Diploma or Certificate earned.

TIOS will be responsible for keeping the OST updated for any student whose OSR resides at TIOS (full-time students). This official transcript can be released to a student and/or parent/guardian upon request as long as TIOS holds that student's OSR. Students requiring a copy of the OST from TIOS should contact admissions@tiosschool.com.

For students taking only one or two courses with TIOS but whose home school is elsewhere, a record of completed TIOS courses will have to be added to your official transcript. TIOS will forward a copy of an official final report card showing completion of a credit to your home school directly. It is the student's responsibility to ensure that home school personnel complete the task of adding these credits to your official transcript.

Further information about the Ontario Student Transcript can be found at the following URL:
<http://www.edu.gov.on.ca/eng/general/elemsec/ost/ost.html>

ADDITIONAL SUPPORTS PROVIDED BY TIOS:



- **Use of Technology:** All TIOS students must have access to reliable computers with high-speed internet. Course content runs better on a PC or a Mac, rather than a cellphone or tablet. Your internet speed needs to be at least 15 Mbps. You must have access to word processing software to complete assignments.
- **Guidance:** Assistance is given to students by helping them to understand their academic strengths and weaknesses, choosing appropriate courses and in making application to post-secondary institutions. The TIOS Academic Consultants provide this support on an ongoing basis.
- **Career Planning Supports:** When students begin their studies at TIOS, they review with the Academic Consultants their educational goals and are provided with a Study Plan in order to achieve their chosen pathway at a post-secondary institution.
- **Student Accommodation & Modifications:** At TIOS, no modifications are made to any of the courses. Instructional, test and environmental accommodations may be given to students as appropriate to meet ELL needs.
- **English Language Learners:** At TIOS, teachers provide learning opportunities to enable English language learners to develop a proficiency in English. These opportunities are integrated into the curriculum in all subject areas. Teachers provide instructional programs, which address students' different levels of proficiency in English and help these students adjust to a new linguistic, cultural, and educational environment.
- **Library & Community Resources:** TIOS students are encouraged to use their local public libraries and their home-school library for their research projects.

ATTENDANCE POLICY

In person students are expected to attend class daily, except when they have a legitimate reason for absence approved by their legal guardian. Teachers will keep daily attendance and will ask students to explain any unexpected absences. If a student regularly misses class without a valid reason, the teacher will contact the parent or guardian and notify the office.

In the online format, our school conducts asynchronous, online courses and therefore, students are free to log in and work on their course material at their own pace. Courses are designed to take 110 hours to complete and all course assignments, including the final exam, must be completed within **6 months** from the start of enrolment.

Regular attendance at school is critical for the student's learning and achievement of course expectations. Where, in the Principal's judgment, a student's frequent absences from school are jeopardizing his or her successful completion of a course, school staff will arrange to meet with the student and the parents to explain the potential consequences of the absences, including failure to gain credits, and discuss steps that could be taken to improve attendance. A meeting or online conference, with all stakeholders, will be scheduled as soon as possible to ascertain the cause of the absence from the course.

Students are required to log into the course a minimum of three times weekly for the entire duration of their course. Failure to log in regularly will result in the student falling behind on course assignments. Students are frequently required to work together in groups in order to complete



assignments, and thus regular attendance is very important. Failure to log in a minimum of three times weekly will result in an absence being recorded on midterm and/or final report cards.

It is important to note the withdrawal policy for all students in Grades 11 & 12 as it relates to full disclosure:

Students enrolled in Grade 11 & 12 courses are permitted to withdraw from the course at any time up to and including 5 days after the midterm report card is issued. Doing so does not result in any notations on the Ontario Student Transcript showing that the student has withdrawn. However, once the midterm report card has been issued, on the 6th day after, a notation is made on the Ontario Student Transcript showing that the student was enrolled in the course but withdrew. This is in compliance with the full disclosure rules.

TRUANCY POLICY

Truancy is defined as an absence from school without an approved excuse, and can be either part of the day or the entire day. Parents are required by the Education Act to report the appropriate cause of school absences to the TIOS administration.

Students are required to attend school until they reach the age of eighteen (18) or graduate. Reaching the age of majority does not imply any specific rights. If a student is eighteen (18) or older and chooses not to follow the rules, regulations, and/or policies of the school, that student can be asked to cease attendance in school. Regular attendance at school is critical for the student's learning. To encourage regular attendance by students, TIOS staff will ensure that students and their parents are informed about the school's policy on attendance. Where, in the Principal's judgement, a student's frequent absences from school are jeopardizing his or her success, TIOS staff will meet with the student and the parents to explain the potential consequences of the absences and discuss steps to be taken to improve attendance.

In the case of online learning, students are expected to log in a minimum of three (3) times each week for the entire duration of their course. If a student fails to do so, an absence will be recorded on their midterm and/or final report card. If this happens two (2) weeks in a row, a message will be sent to both the student and the parents requiring an explanation and the immediate resumption of online attendance. If the student continues to be truant from their course then the student and parent will be contacted directly. If the student fails to attend classes for 59 days running, their online account will be suspended and they will be withdrawn from the course without tuition refund. All student work will remain intact and resumption of the online course will be determined by the Principal in consultation with the student, teacher and parents (if applicable).

ACADEMIC HONESTY

Plagiarism occurs when someone presents the work of others as their own. This would include copying large amounts of text from the Internet or other written texts without crediting the original author. Plagiarism also occurs when someone copies the work of other students, pretending it to be their own. Surprisingly, the third instance of plagiarism occurs when a student copies an



assignment from one course for use in a different course, pretending it to be original work. Plagiarism also occurs when a student employs AI technology to complete all or part of an assignment in a TIOS course. All four of these instances constitute plagiarism and are very serious breaches of academic honesty.

In many post-secondary institutions, students who are found to be guilty of academic dishonesty (plagiarism) are forced to withdraw from the course and/or the university.

At TIOS, we consider the issue of academic honesty to be very important. Since our goal is to inspire academic excellence for students, we believe that academic honesty is an important lesson to learn during high school. For this reason, teachers in each course will review the correct methods of footnoting sources so that students can avoid any suspicion of copying from outside sources. Using someone else's ideas to support your own is not the crime – but when you pretend that someone else's ideas are yours, that becomes the problem! Teachers throughout Ontario have access to online software that easily detects plagiarism and the use of AI, so it is important for students to pay careful attention to this issue.

All TIOS students are required to read and sign off on the school policy related to the use of AI.

As outlined in *Growing Success*, students must understand that the tests/exams they complete and the assignments they submit for evaluation must be their own work and that cheating and plagiarism will not be condoned.

Responsibilities of TIOS Students: When the teacher asks you to use your own words and ideas, it means that you should use your own words and your own ideas. You must demonstrate to the teacher that you are capable of submitting work that is your own. When a teacher asks to put your ideas into your own words, it does not mean that there is a correct answer for the assignment. It means that you have to come up with your own ideas to give to the teacher.

Responsibilities of TIOS Teachers: Teachers will help students avoid plagiarizing by using some of the following strategies:

- defining the term “plagiarism” and reminding students of the policy when setting out an assignment;
- giving students examples of what plagiarism looks like;
- emphasizing the importance of using process skills to arrive at a product;
- teaching students research skills so they can avoid plagiarising: note taking, paraphrasing, summarizing;
- teaching students organizational skills: finding and organizing information to build understanding of a topic;
- teaching students how to make an outline for a report or research essay;
- having students keep a learning log to reflect on what they learned through the process: how research and organizational skills helped with the project, how could the product be improved, how can the research and organizational skills be improved;
- assessing the process steps: notes, outline, summary, bibliography, drafts, etc.; and/or
- informing students of the consequences of plagiarism.

Consequences for Academic Dishonesty at TIOS



Students found to have plagiarized assignments at TIOS will be subject to a series of escalating consequences:

- Instance #1: When plagiarism has been detected, the teacher will discuss the matter with the student. Both parents and the Principal will be informed of the details and the student will have the opportunity of redoing the assignment in a way that avoids plagiarism.
- Instance #2: When plagiarism is detected a second time, the student will receive a mark of zero for the assignment. Parents and the Principal will once again be informed and the Principal will note this in their school records.
- Instance #3: Repeat instances of plagiarism may result in withdrawal from the course and/or the school without refund of tuition. Similarly, students who are guilty of cheating on tests or examinations will receive a mark of zero on the test or examination and these details will also be noted in their school records.

Appeal

- A student may appeal the teacher's decision to the Principal after discussion with the teacher.

CODE OF CONDUCT

A school is a place that promotes responsibility, respect, civility and academic excellence in a safe learning and teaching environment. All students, parents, teachers and staff have the right to be safe, and feel safe in the school community. With this right comes the responsibility to be law-abiding citizens and to be accountable for actions, which put the safety of others or oneself at risk. Toronto International Online School adheres to the principles of the provincial code of behaviour specified in PPM No. 128.

All students are guided by the TIOS *Code of Conduct* which is clearly outlined at the following URL: <https://www.tioschool.com/tios/index.php/index/codeofconduct.html>

In addition, given that many courses at TIOS are online courses, the Digital Citizenship Policy is an important part of helping students develop into responsible citizens in our Canadian and world society. All students are required to read and follow the *Digital Citizenship Policy* which is clearly outlined at the following URL: <https://www.tioschool.com/tios/index.php/index/digitalcitizenship.html>.

In fact, students are unable to do any online work unless they actively indicate that they have read and will adhere to this policy.

COURSE OUTLINES

Detailed course outlines have been prepared for all courses offered at Toronto International Oslife School. These outlines provide details regarding each individual course including, curriculum expectations, course content, teaching and learning strategies, along with assessment and evaluation strategies. A copy of each course outline is included at the



beginning of each online course and is available on request to parents through school administration. The Course Descriptions are included as part of this Course Calendar.

SCHOOL TIMETABLE

For online learning courses, our school provides students with flexible scheduling. All courses must be completed within six (6) months of registration.

Students who are registered for in-person learning will complete at least 110 hours of classroom instruction each term to earn credits.

TORONTO INTERNATIONAL OSLIFE SCHOOL

Course Descriptions





Inspiring academic excellence for students & strong confidence for parents

Revised July 2025

AVI3M: Visual Arts, Grade 11, University/College Preparation

This course enables students to further develop their knowledge and skills in visual arts. Students will use the creative process to explore a wide range of themes through studio work that may include drawing, painting, sculpting, and printmaking, as well as the creation of collage, multimedia works, and works using emerging technologies. Students will use the critical analysis process when evaluating their own work and the work of others. The course may be delivered as a comprehensive program or through a program focused on a particular art form (e.g., photography, video, computer graphics, information design). **Prerequisite: AVI10 or AVI 20**

Ministry of Education reference: The Ontario Curriculum, Grades 11 & 12, The Arts, 2010

AVI4M: Visual Arts, Grade 12, University/College Preparation (AVI4M)

This course focuses on enabling students to refine their use of the creative process when creating and presenting two- and three-dimensional art works using a variety of traditional and emerging media and technologies. Students will use the critical analysis process to deconstruct art works and explore connections between art and society. The studio program enables students to explore a range of materials, processes, and techniques that can be applied in their own art production. Students will also make connections between various works of art in personal, contemporary, historical, and cultural contexts. **Prerequisite: AVI30**

Ministry of Education reference: The Ontario Curriculum, Grades 11 & 12, The Arts, 2010



BBB4M: International Business Fundamentals: Grade 12 College/University

This course provides an overview of the importance of international business and trade in the global economy and explores the factors that influence success in international markets. Students will learn about the techniques and strategies associated with marketing, distribution and managing international business effectively. This course prepares students for postsecondary programs in business, including international business, marketing and management. ***Prerequisite: none***

Ministry of Education reference: The Ontario Curriculum, Grades 11 & 12, Business Studies, 2006 (Revised)

BEP2O: Launching & Leading a Business: Grade 10, Open

This course introduces students to the world of business and what is required to be successful, ethical, and responsible in today's economy. Students will develop the knowledge and skills needed to be an entrepreneur who knows how to respond to local and global market opportunities. Throughout the course, students will explore and understand the responsibility of managing different functions of a business. This includes accounting, marketing, information and communication technology, financial management, human resources, and production. ***Prerequisite: none***

Ministry of Education reference: The Ontario Curriculum, Grades 9 & 10, Business Studies, 2006 (Revised)

BOH4M: Business Leadership, Grade 12, College/University

This course focuses on the development of leadership skills used in managing a successful business. Students will analyse the role of a leader in business, with a focus on decision-making, management of group dynamics, workplace stress and conflict, motivation of employees, and planning. Effective business communication skills, ethics, and social responsibility are also emphasized. ***Prerequisite: none***

Ministry of Education reference: The Ontario Curriculum, Grades 11 & 12, Business Studies, 2006 (Revised)

CIA4U: Economics, Grade 12, University Preparation

This course examines current Canadian and international economic issues, developments, policies, and practices from diverse perspectives. Students will explore the decisions that individuals and institutions, including governments, make in response to economic issues such as globalization, trade agreements, economic inequalities, regulation, and public spending. Students will apply the concepts of economic thinking and the economic inquiry process, as well as economic models and theories, to investigate, and develop informed opinions about, economic trade-offs, growth, and sustainability and related economic issues. ***Prerequisite:*** Any Grade 11 or 12 university or university/college preparation course in Social Sciences and Humanities, English, or Canadian and World Studies.

Ministry of Education reference: The Ontario Curriculum, Grades 11 & 12, Canadian & World Studies, 2015



CHV2O: Civics & Citizenship, Grade 10, Open

This course explores rights and responsibilities associated with being an active citizen in a democratic society. Students will explore issues of civic importance such as healthy schools, community planning, environmental responsibility, and the influence of social media, while developing their understanding of the role of civic engagement and of political processes in the local, national, and/or global community. Students will apply the concepts of political thinking and the political inquiry process to investigate, and express informed opinions about, a range of political issues and developments that are both of significance in today's world and of personal interest to them. ***Prerequisite: none***

Ministry of Education reference: The Ontario Curriculum, Canadian & World Studies, 2013

GLC2O: Career Education, Grade 10, Open

This course teaches students how to develop and achieve personal goals for future learning, work, and community involvement. Students will assess their interests, skills, and characteristics and investigate current economic and workplace trends work opportunities, and ways to search for work. The course explores postsecondary learning and career options, prepares students for managing work and life transitions, and helps students focus on their goals through the development of a career plan.

Prerequisite: none

Ministry of Education reference: The Ontario Curriculum, Guidance & Career Education, 2006 (Revised)

ENG2D: English, Grade 10, Academic

This course is designed to extend the range of oral communication, reading, writing, and media literacy skills that students need for success in their secondary school academic programs and in their daily lives. Students will analyze literary texts from contemporary and historical periods, interpret and evaluate informational and graphic texts, and create oral, written, and media texts in a variety of forms. An important focus will be on the selective use of strategies that contribute to effective communication. This course is intended to prepare students for the compulsory Grade 11 university or college preparation course. ***Prerequisite: Grade 9 Academic or Applied English***

Ministry of Education reference: The Ontario Curriculum, Grades 9 & 10, English, 2007 – Revised

ENG3U: English, Grade 11, University Preparation

This course emphasizes the development of literacy, critical thinking, and communication skills. Students will analyse challenging texts from various periods; conduct research and analyse the information gathered; write persuasive and literary essays; and analyse the relationship among media forms, audiences, and media industry practices. An important focus will be on understanding the development of the English language. ***Prerequisite: ENG2D***



Ministry of Education reference: The Ontario Curriculum, Grades 11 & 12, English, 2007 – Revised

ENG4U: English, Grade 12, University Preparation

This course emphasizes the consolidation of the literacy, communication, and critical and creative thinking skills necessary for success in academic and daily life. Students will analyze a range of challenging literary texts from various periods, countries, and cultures; interpret and evaluate informational and graphic texts; and create oral, written, and media texts in a variety of forms. An important focus will be on using academic language coherently and confidently, selecting the reading strategies best suited to particular texts and particular purposes for reading, and developing greater control in writing. The course is intended to prepare students for university, college, or the workplace. ***Prerequisite: ENG3U***

Ministry of Education reference: The Ontario Curriculum, Grades 11 & 12, English, 2007 – Revised

OLC40: Ontario Secondary School Literacy Course, Grade 12

This course is designed to help students acquire and demonstrate the cross-curricular literacy skills that are evaluated by the Ontario Secondary School Literacy Test (OSSLT). Students who complete the course successfully will meet the provincial literacy requirement for graduation. Students will read a variety of informational, narrative, and graphic texts and will produce a variety of forms of writing, including summaries, information paragraphs, opinion pieces, and news reports. Students will also maintain and manage a portfolio containing a record of their reading experiences and samples of their writing. ***Prerequisite:*** Students must have written the Ontario Secondary School Literacy Test (OSSLT) and been unsuccessful at least once.

Ministry of Education reference: The Ontario Curriculum, English: The Ontario Secondary School Literacy Course (OSSLC), 2003

ESLBO: English as a Second Language, Level B, Open

This course extends students' listening, speaking, reading, and writing skills in English for everyday and academic purposes. Students will participate in conversations in structured situations on a variety of familiar and new topics; read a variety of texts designed or adapted for English language learners; expand their knowledge of English grammatical structures and sentence patterns; and link English sentences to compose paragraphs. The course also supports students' continuing adaptation to the Ontario school system by expanding their knowledge of diversity in their new province and country. ***Prerequisite: ESLAO or equivalent assessment***

Ministry of Education reference: The Ontario Curriculum, Grades 9-12, English as a Second Language, 2007 – Revised



ESLCO: English as a Second Language, Level C, Open

This course extends students' listening, speaking, reading, and writing skills in English for everyday and academic purposes. Students will participate in conversations in structured situations on a variety of familiar and new topics; read a variety of texts designed or adapted for English language learners; expand their knowledge of English grammatical structures and sentence patterns; and link English sentences to compose paragraphs. The course also supports students' continuing adaptation to the Ontario school system by expanding their knowledge of diversity in their new province and country. ***Prerequisite: ESLBO or equivalent assessment***

Ministry of Education reference: The Ontario Curriculum, Grades 9-12, English as a Second Language, 2007 – Revised

ESLDO: English as a Second Language, Level D, Open

This course prepares students to use English with increasing fluency and accuracy in classroom and social situations and to participate in Canadian society as informed citizens. Students will develop the oral- presentation, reading, and writing skills required for success in all school subjects. They will extend listening and speaking skills through participation in discussions and seminars; study and interpret a variety of grade- level texts; write narratives, articles, and summaries in English; and respond critically to a variety of print and media texts. ***Prerequisite: ESLCO or equivalent assessment***

Ministry of Education reference: The Ontario Curriculum, Grades 9-12, English as a Second Language, 2007 – Revised

ESLEO: English as a Second Language, Level E, Open

This course provides students with the skills and strategies they need to make the transition to college and university preparation courses in English and other secondary school disciplines. Students will be encouraged to develop independence in a range of academic tasks. They will participate in debates and lead classroom workshops; read and interpret literary works and academic texts; write essays, narratives, and reports; and apply a range of learning strategies and research skills effectively. Students will further develop their ability to respond critically to print and media texts. ***Prerequisite: ESLDO or equivalent assessment***

Ministry of Education reference: The Ontario Curriculum, Grades 9-12, English as a Second Language, 2007 – Revised

HSP3U: Introduction to Anthropology, Psychology & Sociology, Grade 11, University Preparation

This course provides students with opportunities to think critically about theories, questions, and issues related to anthropology, psychology, and sociology. Students will develop an understanding of the approaches and research methods used by social scientists. They will be given opportunities to explore theories from a variety of perspectives, to conduct social science research, and to become familiar with current



thinking on a range of issues within the three disciplines. ***Prerequisite: Grade 10 academic English or Grade 10 academic History***

Ministry of Education reference: The Ontario Curriculum, Grades 9 to 12, Social Sciences & Humanities, 2013

HFA4U: Nutrition and Health, Grade 12, University Preparation

This course provides students with opportunities to think critically about theories, questions, and issues related to anthropology, psychology, and sociology. Students will develop an understanding of the approaches and research methods used by social scientists. They will be given opportunities to explore theories from a variety of perspectives, to conduct social science research, and to become familiar with current thinking on a range of issues within the three disciplines. ***Prerequisite: Any Grade 11 or 12 university or university/college preparation course in Social Sciences and Humanities, English, or Canadian and World Studies.***

Ministry of Education reference: The Ontario Curriculum, Grades 9 to 12, Social Sciences & Humanities, 2013

ICS3U: Computer Studies – Grade 12 University

This course introduces students to computer science. Students will design software independently and as part of a team, using industry-standard programming tools and applying the software development life-cycle model. They will also write and use subprograms within computer programs. Students will develop creative solutions for various types of problems as their understanding of the computing environment grows. They will also explore environmental and ergonomic issues, emerging research in computer science, and global career trends in computer-related fields. ***Prerequisite: none***

Ministry of Education reference: The Ontario Curriculum, Grades 10 to 12, Computer Studies, 2008 - Revised

ICS4U: Computer Studies – Grade 12 University

This course enables students to further develop knowledge and skills in computer science. Students will use modular design principles to create complex and fully documented programs, according to industry standards. Student teams will manage a large software development project, from planning through to project review. Students will also analyze algorithms for effectiveness. They will investigate ethical issues in computing and further explore environmental issues, emerging technologies, areas of research in computer science, and careers in the field. ***Prerequisite: ICS3U***

Ministry of Education reference: The Ontario Curriculum, Grades 10 to 12, Computer Studies, 2008 - Revised

LKBDU: Simplified Mandarin – Grade 12 University



This course provides extended opportunities for students to communicate and interact in Simplified Mandarin in a variety of social and academic contexts. Students will refine and enhance their listening, speaking, reading and writing skills, as well as their creative and critical thinking skills as they explore and respond to a variety of oral and written texts, including complex authentic and adapted texts. They will also broaden their understanding and appreciation of diverse communities where the language is spoken and develop skills necessary for lifelong language learning. **Prerequisite: LKBCU or equivalent assessment**

Ministry of Education reference: The Ontario Curriculum, Grades 9-12, Classical Studies & International Languages, 2016

MPM2D: Principles of Mathematics, Grade 10, Academic

This course enables students to broaden their understanding of relationships and extend their problem-solving and algebraic skills through investigation, the effective use of technology, and abstract reasoning. Students will explore quadratic relations and their applications; solve and apply linear systems; verify properties of geometric figures using analytic geometry; and investigate the trigonometry of right and acute triangles. Students will reason mathematically and communicate their thinking as they solve multi-step problems. **Prerequisite: MTH1W or MPM1D**

Ministry of Education reference: The Ontario Curriculum, Grades 9 & 10, Mathematics, 2005 – Revised

MCR3U: Functions, Grade 11, University Preparation

This course introduces the mathematical concept of the function by extending students' experiences with linear and quadratic relations. Students will investigate properties of discrete and continuous functions, including trigonometric and exponential functions; represent functions numerically, algebraically, and graphically; solve problems involving applications of functions; investigate inverse functions; and develop facility in determining equivalent algebraic expressions. Students will reason mathematically and communicate their thinking as they solve multi-step problems. **Prerequisite: MPM2D**

Ministry of Education reference: The Ontario Curriculum, Grades 11 & 12, Mathematics, 2007 – Revised

MHF4U: Advanced Functions, Grade 12, University Preparation

This course extends students' experience with functions. Students will investigate the properties of polynomial, rational, logarithmic, and trigonometric functions; develop techniques for combining functions; broaden their understanding of rates of change; and develop facility in applying these concepts and skills. Students will also refine their use of the mathematical processes necessary for success in senior mathematics. This course is intended both for students taking the Calculus and Vectors course as a prerequisite for a university program and for those wishing to consolidate their understanding of mathematics before proceeding to any one of a variety of university programs. **Prerequisite: MCR3U**



Ministry of Education reference: The Ontario Curriculum, Grades 11 & 12, Mathematics, 2007 – Revised

MDM4U: Data Management, Grade 12, University Preparation

This course broadens students' understanding of mathematics as it relates to managing data. Students will apply methods for organizing and analysing large amounts of information; solve problems involving probability and statistics; and carry out a culminating investigation that integrates statistical concepts and skills. Students will also refine their use of the mathematical processes necessary for success in senior mathematics. Students planning to enter university programs in business, the social sciences, and the humanities will find this course of particular interest. ***Prerequisite: MCR3U***

Ministry of Education reference: The Ontario Curriculum, Grades 11 & 12, Mathematics, 2007 – Revised

MCV4U: Calculus & Vectors, Grade 12, University Preparation

This course builds on students' previous experience with functions and their developing understanding of rates of change. Students will solve problems involving geometric and algebraic representations of vectors and representations of lines and planes in three-dimensional space; broaden their understanding of rates of change to include the derivatives of polynomial, sinusoidal, exponential, rational, and radical functions; and apply these concepts and skills to the modelling of real-world relationships. Students will also refine their use of the mathematical processes necessary for success in senior mathematics. This course is intended for students who choose to pursue careers in fields such as science, engineering, economics, and some areas of business, including those students who will be required to take a university-level calculus, linear algebra, or physics course. ***Prerequisite: MHF4U***

Ministry of Education reference: The Ontario Curriculum, Grades 11 & 12, Mathematics, 2007 – Revised

SNC2D: Science – Grade 10 - Academic

This course enables students to enhance their understanding of concepts in biology, chemistry, earth and space science, and physics, and of the interrelationships between science, technology, society, and the environment. Students are also given opportunities to further develop their scientific investigation skills. Students will plan and conduct investigations and develop their understanding of scientific theories related to the connections between cells and systems in animals and plants; chemical reactions, with a particular focus on acid–base reactions; forces that affect climate and climate change; and the interaction of light and matter. ***Prerequisite: none***

Ministry of Education reference: The Ontario Curriculum, Grades 9 & 10, Science, 2008 – Revised

SBI3U: Biology, Grade 11, University Preparation



This course furthers students' understanding of the processes that occur in biological systems. Students will study theory and conduct investigations in the areas of biodiversity; evolution; genetic processes; the structure and function of animals; and the anatomy, growth, and function of plants. The course focuses on the theoretical aspects of the topics under study, and helps students refine skills related to scientific investigation.

Prerequisite: SNC2D

Ministry of Education reference: The Ontario Curriculum, Grades 11 & 12, Science, 2008 – Revised

SCH3U: Chemistry, Grade 11, University Preparation

This course enables students to deepen their understanding of chemistry through the study of the properties of chemicals and chemical bonds; chemical reactions and quantitative relationships in those reactions; solutions and solubility; and atmospheric chemistry and the behaviour of gases. Students will further develop their analytical skills and investigate the qualitative and quantitative properties of matter, as well as the impact of some common chemical reactions on society and the environment.

Prerequisite: SNC2D

Ministry of Education reference: The Ontario Curriculum, Grades 11 & 12, Science, 2008 – Revised

SPH3U: Physics, Grade 11, University Preparation

This course develops students' understanding of the basic concepts of physics. Students will explore kinematics, with an emphasis on linear motion; different kinds of forces; energy transformations; the properties of mechanical waves and sound; and electricity and magnetism. They will enhance their scientific investigation skills as they test laws of physics. In addition, they will analyze the interrelationships between physics and technology and consider the impact of technological applications of physics on society and the environment. ***Prerequisite: SNC2D***

Ministry of Education reference: The Ontario Curriculum, Grades 11 & 12, Science, 2008 – Revised

SBI4U: Biology, Grade 12, University Preparation

This course provides students with the opportunity for in-depth study of the concepts and processes that occur in biological systems. Students will study theory and conduct investigations in the areas of biochemistry, metabolic processes, molecular genetics, homeostasis, and population dynamics. Emphasis will be placed on the achievement of detailed knowledge and the refinement of skills needed for further study in various branches of the life sciences and related fields. ***Prerequisite: SBI3U***

Ministry of Education reference: The Ontario Curriculum, Grades 11 & 12, Science, 2008 – Revised

SCH4U: Chemistry, Grade 12, University Preparation



This course enables students to deepen their understanding of chemistry through the study of organic chemistry, the structure and properties of matter, energy changes and rates of reaction, equilibrium in chemical systems, and electrochemistry. Students will further develop their problem-solving and investigation skills as they investigate chemical processes, and will refine their ability to communicate scientific information. Emphasis will be placed on the importance of chemistry in everyday life and on evaluating the impact of chemical technology on the environment. **Prerequisite: SCH3U**

Ministry of Education reference: The Ontario Curriculum, Grades 11 & 12, Science, 2008 – Revised

SPH4U: Physics, Grade 12, University Preparation

This course enables student to deepen their understanding of physics concepts and theories. Students will continue their exploration of energy transformations and the forces that affect motion, and will investigate electrical, gravitational and magnetic fields and electromagnetic radiation. Students will also explore the wave nature of light, quantum mechanics and special relativity. They will further develop their scientific investigation skills, learning, for example, how to analyze, qualitatively and quantitatively, data related to a variety of physics concepts and principles. Students will also consider the impact of technological applications of physics on society and the environment. **Prerequisite: SPH3U**

Ministry of Education reference: The Ontario Curriculum, Grades 11 & 12, Science, 2008 – Revised

TGJ20: Communications Technology, Grade 10, Open

This course introduces students to communications technology from a media perspective. Students will work in the areas of TV/video and movie production, radio and audio production, print and graphic communications, photography, and interactive new media and animation. Student projects may include computer-based activities such as creating videos, editing photos, working with audio, cartooning, developing animations, and designing web pages. Students will also develop an awareness of environmental and societal issues related to communications technology, and will explore secondary and postsecondary education and training pathways and career opportunities in the various communications technology fields. **Prerequisite: none**

Ministry of Education reference: The Ontario Curriculum, Grades 9 & 10, Technological Education, 2009 - Revised

