



Westlane Course Selections

2023-2024

Next Steps:

- Xello opens for you to BEGIN course selections today!
- Over the next two weeks you will choose courses during P1 (9), P2 (10), P4 (11) following the schedule sent to teachers.
- ALL students need to complete their course selections by February 16; the system will lock you out automatically at midnight.
- DO NOT PANIC! You will have time to review your courses and change them. Guidance Teachers will be with you as you choose your courses over the next 10 days.

[Xello: Introduction to Course Planner](#)

Course Selection Dates

Grade 9s: Period 1 Feb 7-16 (Library)

Grade 10s: Period 4 Feb 7-16 (Library)

Grade 11s: Period 2 Feb 7-16 (Library)

What do you need to graduate from high school?

18 compulsory credits

Students must earn the following compulsory credits to obtain the Ontario Secondary School Diploma:

4	credits in English (1 credit per grade)*
3	credits in mathematics (1 credit in Grade 11 or 12)
2	credits in science
1	credit in Canadian history
1	credit in Canadian geography
1	credit in the arts
1	credit in health and physical education
1	credit in French as a second language
0.5	credit in career studies
0.5	credit in civics

In addition, students must complete:

✓	12 optional credits†
✓	40 hours of community involvement activities
✓	the provincial literacy requirement

Plus one credit from each of the following groups:

	Group 1:
	<ul style="list-style-type: none">• English or French as a second language**• a Native language
1	<ul style="list-style-type: none">• a classical or international language• social sciences and the humanities• Canadian and world studies• guidance and career education• cooperative education***
	Group 2:
1	<ul style="list-style-type: none">• health and physical education• the arts• business studies• French as a second language**• cooperative education***
	Group 3:
1	<ul style="list-style-type: none">• science (Grade 11 or 12)• technological education• French as a second language**• computer studies• cooperative education***

If you are missing a Group, Arts, or other compulsory credit, Xello will clearly show this on your course plan page.

Please DO NOT LOCK your courses until your class meets with Guidance and we can review your choices.

NEW Ministry of Education Online Learning Graduation Requirement

Current Grade 11 students will be the first cohort that must earn a minimum of two online learning credits in order to graduate. Due to COVID, ONE credit has already been granted to all Grade 11s.

There is an opt out option available to students on the Student Services website. With parental consent, a form can be completed to OPT OUT of the requirement to earn two online credits.

Online options will be available in Xello when choosing your in person courses this year and are indicated with a 6th character of “C” (eg. HHS4UC)

How to Read Course Codes

Every course in an Ontario Secondary School has a six-character course code. A code can be broken down as follows:

CGC

3 letters identify subject

The first letter represents the course's department area: A=Arts, B=Business, C=Canadian and World Studies, E=English, F=French, G=Guidance and Career Education, H=Humanities and Social Sciences, L=International Languages M=Mathematics, P=Physical Education, S=Sciences, T=Technology

1

reflects grade

1 = Grade 9
2 = Grade 10
3 = Grade 11
4 = Grade 12

P

letter shows course type

Grade 9/10	Grade 11/12
D = Academic	C = College
P = Applied	E = Workplace
L = Locally Developed	M = University/College
O = Open	O = Open
	U = University

1

A number for school boards to distinguish a course program

Course Requests must be completed by the end of the day on **February 16th, 2023**. When clicking submit, you are confirming that you have your parents approval for your course choices. You will be locked out by the system at midnight.

Do not panic if you are not 100% certain of your course selections, you will have an opportunity to review your choices at midterm and ask Guidance to make changes.

Please make sure you are a member of the Guidance Google Classroom for your grade.

Student Services

[Guidance Contact Information](#)

[Google Classroom Codes for all Grades](#)

[Future Spartans \(including out of board req](#)

[Grad Info & Applying to College/University](#)

[Post-Sec Planning, Scholarships & OSAP](#)

[Summer School - New Credit and Upgrade](#)

[Course Selections](#)

[Diploma Requirements](#)

[Community Involvement](#)

[Accessing Student Records](#)

[SHSM](#)

[Social Worker & Youth Counsellor](#)

[Course Selection Option Sheet 2022-2023](#)

[Courses and Pre-Requisites Chart.PDF](#)

Updated December 2022

Course Selections for 2023-2024 School Year

- The course selection process for the 2023-2024 school year will begin; for next year will begin on February 6th.
- Grade assemblies will be held so Guidance can explain all the course offerings.
- Students will complete course selections with classes following the schedule provided by Guidance. Mrs. Bilon and Mrs. Miller will assist each student with course selections.
- Course were locked in by the system on February 16th.
- The narrated version of the grade assemblies that was created during COVID remains on this page for reference. It is lengthy but much of the information continues to be useful.
- Students are encouraged to take time to carefully consider their options and future plans. They should talk to their parent / guardian as well as their Guidance Teacher should they have questions.
- DO NOT PANIC if you are not 100% certain of your course selections, you will have an opportunity around mid-term to review your choices and ask Guidance to make any changes. Guidance will provide each student with a print out of their selections and a form to request changes. These will be handed out to each student around mid-terms in April.
- If you have questions drop into Guidance!
- Please make sure you are a member of the Guidance Google Classroom for your grade.
- The Course Descriptions, as found in Xello, are linked below and have already been updated with current course offerings; you can review these at any time.



[Westlane Course Selections Slideshow 2022-2023](#)

[Westlane Course Selections 2021-2022 Presentation](#)

This presentation is from COVID as referenced above. This includes a voiceover that provides an explanation of all course offerings, pathways, pre-requisites, and how to choose your courses.

[Complete Course Guide from Xello](#)

You can find all course descriptions in Xello, but they are also on the Student Services website under “Course Selections” then scroll to “Complete Course Guide from Xello”.

ARTS

COURSES WITH PREREQUISITES ARE INDICATED WITH *

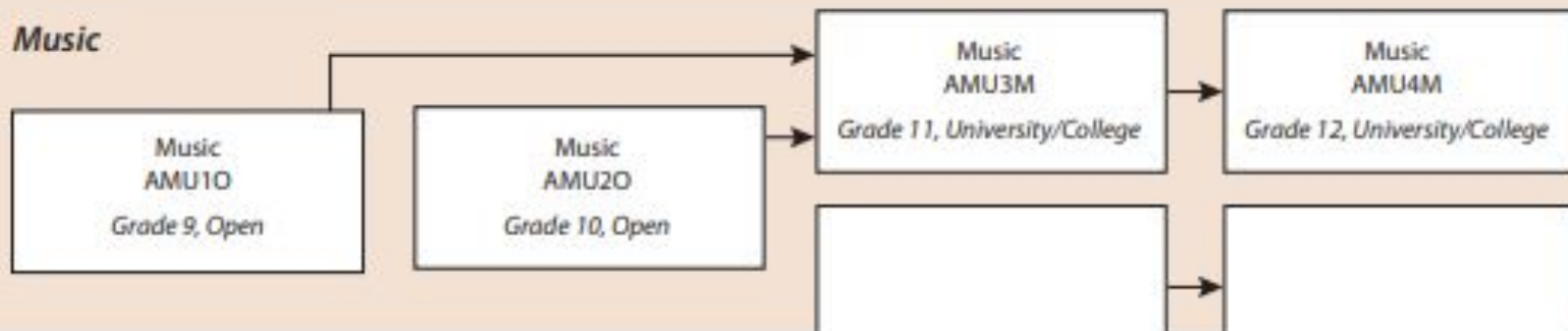
- ADA201- Dramatic Arts - Open (Grade 9 Drama is NOT necessary)
- AMU201 - Instrumental Music - Introductory - Open (Pick this if you **DID NOT** take music in Grade 9)
- AMI201* - Instrumental Music - Open (for those who **DID** take Grade 9 Instrumental)
- AMV201 - Vocal Music - Open (Grade 9 Vocal Music is NOT necessary)
- AVI201 - Visual Arts - Open (Grade 9 Visual Arts is NOT necessary)

- AMI3MI* - Instrumental Music - University/College Preparation
- AMV3M1* - Vocal Music - University/College Preparation
- AVI3O1 - Visual Arts - Open
- AVI3M1* - Visual Arts - University/College Preparation
- AWM3M* - Visual Arts: Drawing & Painting Focus - University/College Preparation

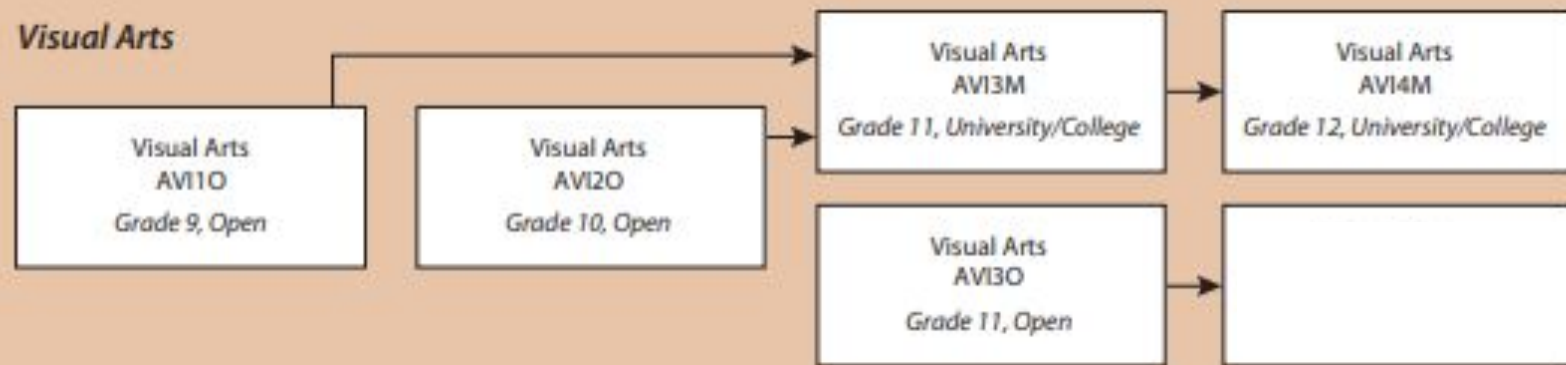
- AMI4MI* - Instrumental Music - University/College Preparation
- AMV4M1* - Vocal Music - University/College Preparation
- AVI4M1* - Visual Arts - University/College Preparation
- AWM4M1* - Visual Arts: Drawing & Painting Focus - University/College Preparation

ARTS

Music



Visual Arts



Business and Computers COURSES WITH PRE REQUISITES ARE INDICATED WITH *

- BBI201 - Introduction to Business - Open
- BTT201- Information & Communication Technology in Business - Open
(Do NOT take if you took Grade 9 Business, it won't count as a credit)

- BAF3M1 - Financial Accounting Fundamentals - University/College Preparation
- BDI3C1 - Entrepreneurship: The Venture - College Preparation
- BMI3C - Marketing: Goods, Services & Events

- BAT4M1* - Financial Accounting Principles - University/College Preparation
(ONLY Business course with a prerequisite, BAF3M1)
- BBB4M1 - International Business Fundamentals - University/College Preparation
- BOH4M1 - Business Leadership Management Fundamentals - U/C Prep

Canadian & World Studies

COURSES WITH PRE REQUISITES ARE INDICATED WITH *

COMPULSORY CREDIT FOR GRADE 10

- CHC2D1 - Canadian History Since World War I - Destreamed

- *CGF3M1 - Forces of Nature: Physical Processes & Disasters - Uni/Col Prep
- *CHT3O1 - World History Since 1900: Global and Regional Perspective
- CLU3M1 - Understanding Canadian Law - University/College Preparation
(prerequisite for CLU is CHC2D or CHC2P - Grade 10s choosing this **MUST** have CHC scheduled semester 1 and CLU3M semester 2)

Continued...

Canadian & World Studies

- *CGW4U1 - World Issues: A Geographic Analysis - University Preparation
- CHY4C1 - World History since the 15th Century - College Preparation
- *CHY4U1 - World History since the 15th Century - University Preparation
- *CLN4U1 - Canadian & International Law - University Preparation

Pre-requisites: Any university or university/ college preparation course in Canadian and world studies, English, or social sciences and humanities.

English

COMPULSORY CREDIT FOR GRADE 10

- ENG2D1 - English - Destreamed

COMPULSORY CREDIT FOR GRADE 11

- ENG3C1 - English - College Preparation
- ENG3U1 - English - University Preparation

OR

- NBE3C - English: Understanding FNMI Voices - College
- NBE3U - English: Understanding FNMI Voices - University

Continued...

English

COMPULSORY CREDIT FOR GRADE 12:

- ENG4C1 - English - College Preparation
- ENG4U1 - English - University Preparations

ELECTIVE CREDITS:

- EWC4C1 - The Writer's Craft - College Preparation
- EWC4U1 - The Writer's Craft - University Preparation

Pre-requisite is ENG3C or ENG3U

Guidance & Career Education, Co-op

COMPULSORY CREDITS FOR GRADE 10

- CHV20H - Civics and Citizenship - Open (½ credit course)
- GLC20H - Career Studies - Open (½ credit course)

- COOP7 - Leadership & Peer Support - Open
- COOP8 - Co-operative Education - Open (full day CO-OP choose COOP8 AND COOP9)

Guidance & Career Education, Co-op

Other Program Options (most for Grade 12s only):

- **Homebuild** (will post in Guidance Google Classroom when apps are open, full day/entire semester)
- **Military Co-op** (will post in Guidance Google Classroom when apps are open, full day/entire semester)
- **Brock Mentorship** (tentatively running 2023/24, apps will open soon)
- **Magnet** (possibility of taking courses at Myer or Stamford that we don't offer; half day)
- **DIG-IT** (Regional Horticulture program; 2-3 days off site working in the region every week)
- **Niagara Link** (full day, off site, with additional one college credit from Niagara)
- **Dual Credit** (½ day, at NC, with two college credits from Niagara and two high school credits)

Of interest to those going into education:

- **IDC4UC: Partners in Literacy (University Prep)**

(In this course, students will spend most of the time supporting Gr 9/10 students with literacy or numeracy. Students will investigate learning theories, barriers to learning, how to engage learners and communicate effectively. The course evaluation will be based on discussions, activities, and research projects. Students will be actively involved in their home school as a tutor focused on supporting students in de-streamed classrooms.)

Health & Physical Education

- PPL2O1- Healthy Active Living Education - Open
- PAL2OB - Large Court Sports Focus Course - Open
- PAR2O1- Rhythm and Dance

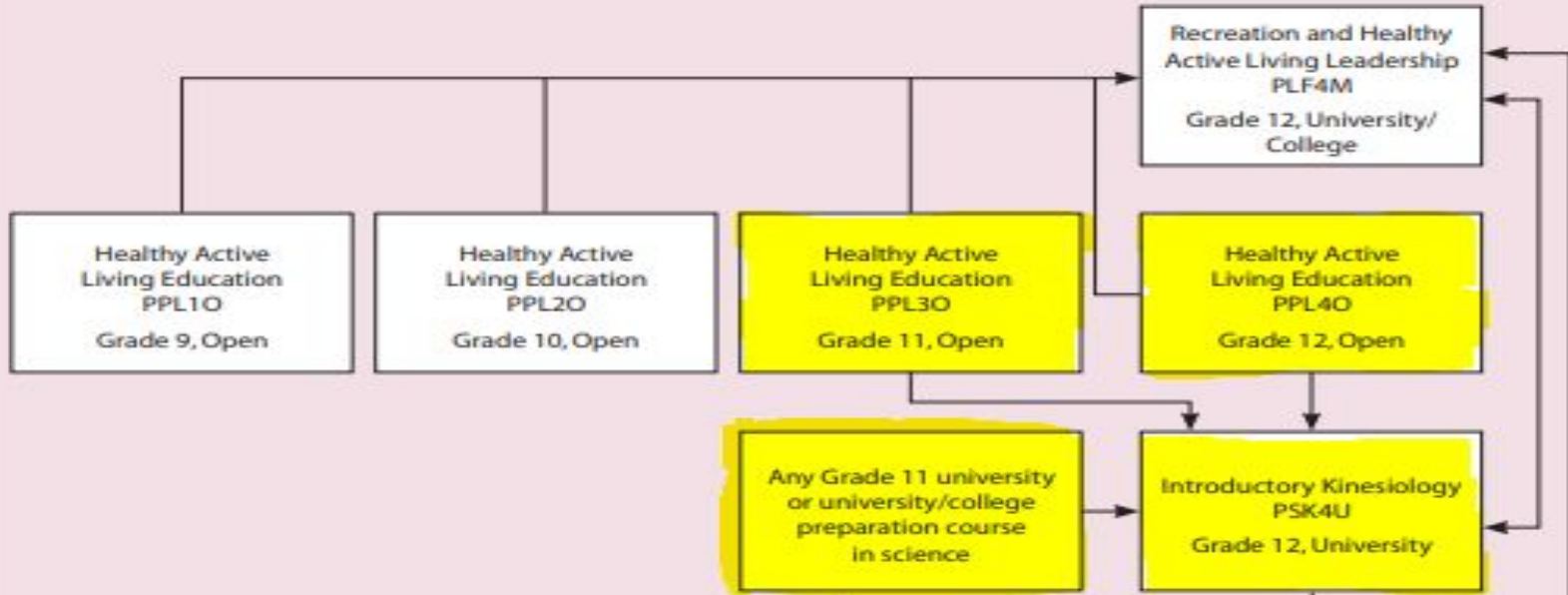
- PPL3O1 - Healthy Active Living Education - Open
- PAF3O1 - Healthy Living & Personal Fitness Activities - Open
- PAL3OB - Large Court Sports Focus Course - Open (if you took PAL2OB you CAN take PAL3OB)

- PPL4O1- Healthy Active Living Education - Open
- PAF4O1 - Healthy Active Living Education - Open
- PSK4UI- Introductory Kinesiology - University Preparation
- PLF4MI- Recreation & Healthy Active Living Leadership

Health & Physical Education

Prerequisite Chart for Health and Physical Education, Grades 9–12

This chart maps out the courses in the discipline and shows the links between courses and the possible prerequisites for them.



Moderns/Language

- FSF2D1 - Core French - Academic

- FSF3U1 - Core French - University Preparation (must have FSF2D)

- FSF4U1 - Core French - University Preparation (must have FSF3U)

Mathematics

COMPULSORY CREDIT FOR GRADE 10

- MFM2P1 - Foundations of Mathematics - Applied
- MPM2D1 - Principles of Mathematics - Academic

COMPULSORY CREDIT FOR GRADE 11

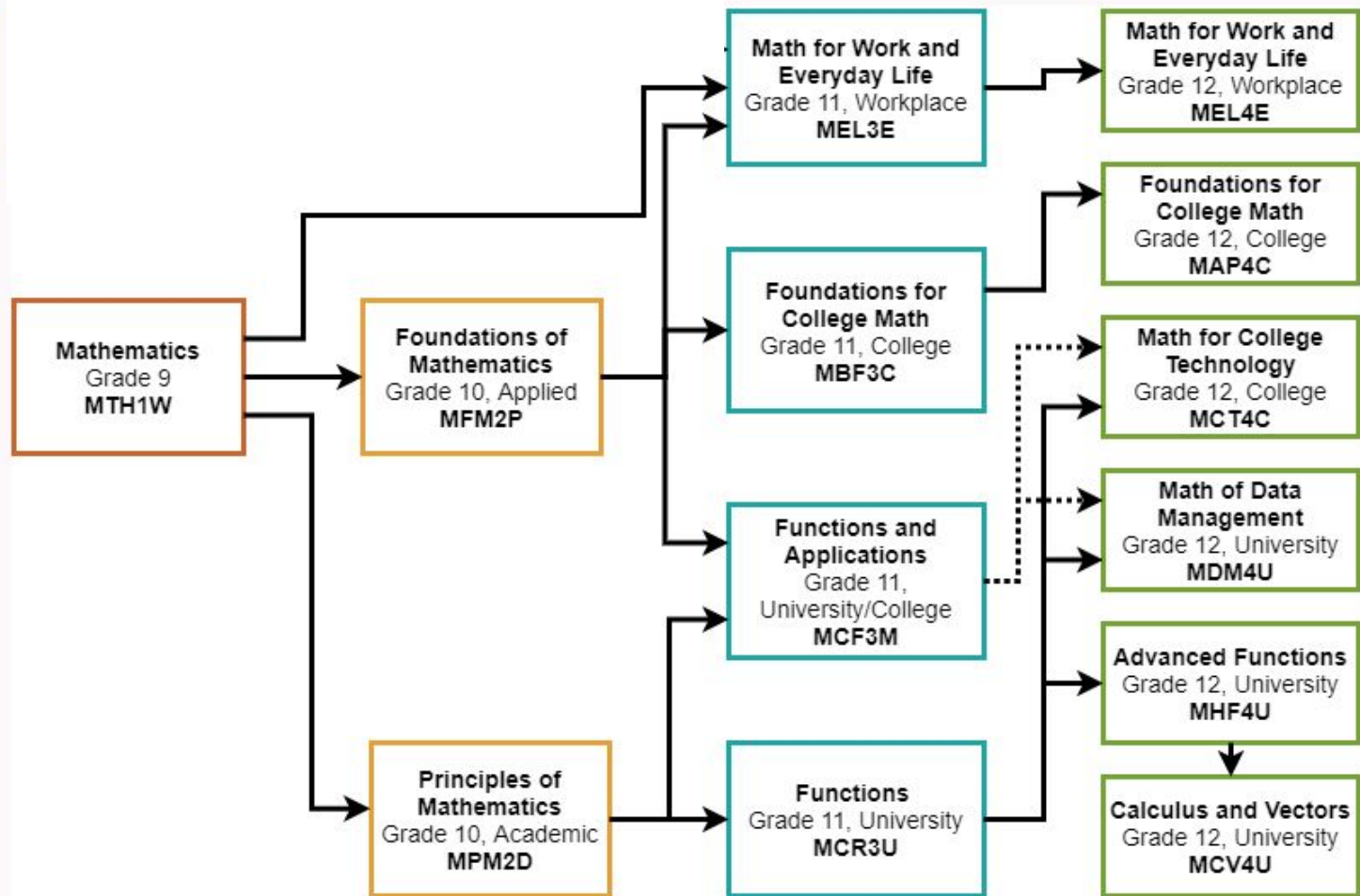
- MBF3C1 - Foundations for College Mathematics - College Preparation
- MCF3M1 - Functions & Applications - University/College Preparation
- MCR3U1 - Functions - University Preparations
- MEL3E1 - Mathematics for Work & Everyday Life - Workplace Preparation
(ONLY AVAILABLE WITH GUIDANCE RECOMMENDATION)

If you **NEED** to take **MCR3U** for post-secondary, but you struggled in **MPM2D**, you do have the option of taking **BOTH MCF3M and MCR3U** in Grade 11. This will give you the opportunity to improve your math abilities before attempting **MCR3U**.

Mathematics

- MAP4C1 - Foundations for College Mathematics - College Preparation
- MDM4U1 - Mathematics of Data Management - University Preparation
- MHF4U1 - Advanced Functions - University Preparation
- MCV4U1 - Calculus & Vectors - University Preparation (prerequisite MHF4U1)

- MEL4E1 - Mathematics for Work & Everyday Life - Workplace Preparation
(ONLY AVAILABLE WITH GUIDANCE RECOMMENDATION)



Science

COMPULSORY CREDIT FOR GRADE 10

- SNC2D1 - Science - Academic
- SNC2P1 - Science - Applied

- SBI3C1 - Biology - College Preparation
- SBI3U1 - Biology - University Preparation
- SCH3U1 - Chemistry - University Preparation
- SPH3U1 - Physics - University Preparation

Science

- *SBI4U1 - Biology - University Preparation (prerequisite: SBI3U1)
- *SCH4C1 - Chemistry - College Preparation (prerequisite: SNC2P1)
- *SCH4U1 - Chemistry - University Preparation (prerequisite: SCH3U1)
- *SPH4C1 - Physics - College Preparation (prerequisite: SNC2P1)
- *SPH4U1 - Physics - University Preparations (prerequisite: SPH3U1)
- *SNC4M1 - Science - University/College Preparation (prerequisite: SNC2D1 or ANY Grade 11 college or university science)

College Bound Students:

College Biology is ONLY offered as a Grade 11 course.

College Chemistry is ONLY offered as a Grade 12 course.

College Physics is ONLY offered as a Grade 12 course.

Social Science & Humanities

- HNL2O1 - Clothing - Open
- HIF2O1 - Family Studies - Open (*Do NOT take if you took Gr. 9 Family Studies, it won't count as a credit*)

- HNC3C1 - Understanding Fashion - College Preparation
- HPC3O1 - Raising Healthy Children - Open
- HSP3C1 - Introduction to Anthropology, Psychology, & Sociology - College Prep
- HSP3U1 - Introduction to Anthropology, Psychology, & Sociology - Uni Prep

- HHG4M1- NEW! Human Development through the Lifespan
- HNB4M1 - The World of Fashion - University/College Preparation
- HSB4U1 - Challenge & Change in Society - University Preparation
- HSC4M1 - World Cultures - University/College Preparation

Technological Education - Grade 10 Options

- TCJ201 - Construction Technology - Open
- TDJ201 - Technological Design - Open
- TGJ201 - Communications Technology - Open
- THJ201 - Green Industries - Open
- TMJ201 - Manufacturing Technology - Open
- TTJ201 - Transportation Technology - Open

The prerequisite for ALL Grade 12 technology courses is the Grade 11 in the same subject.

Students can take ANY Grade 11 technology course WITHOUT taking the Grade 10.

Technological Education - Grade 11 & 12 Options

- TCJ3C1 & TCJ4C1 - Construction Technology - College Preparation
- TDJ3M1 & TDJ4M1 - Technological Design - University/College Preparation
- TEJ3M1 & TEJ4M1 - Computer Engineering Technology - Uni/Col Prep
- TGG3M1 & TGG4M1 - Communications Tech: Print & Graphic Communications (Yearbook)
- TGJ3M1 & TGJ4M1 - Communications Technology - University/College Prep
- TGV3M1 & TGV4M1 - TV, Video & Movie Production Focus Course - U/C
- THJ3M1 & THJ4M1 - Green Industries - University/College Preparation
- TMJ3C1 & TMJ4C1 - Manufacturing Technology - Workplace Preparation
- TTJ3C1 & TTJ4C1 - Transportation Technology - College Preparation

Specialist High Skills Major Programs



- Agriculture
- Construction
- Information Communication Technology (ICT)
- Transportation
- Regional DIG IT program = Horticulture
- * New- Health and Wellness

SHSM programs provide a Red Seal Diploma when all components have been met. Students sign up for this program in Grade 11 or 12.

Students will complete Certifications, Experiential Learning, Sector-Partnered Contextualized Experiences, and a bundle of specific senior credits.

Course Requirements:

1. Two Co-op Credits
2. Four Senior credits in the Major
3. One Senior English Credit
4. One Senior Math Credit (two for Construction)
5. One “other” Senior Credit, usually from the Business or Science Department



More information can be found in e-brochures on the Student Services website.

You can also reach out to the teachers connected to each SHSM.

- **Agriculture:** Mrs. Summerfield & Mrs. Schoot-Uiterkamp
- **Construction:** Mr. Polich
- **ICT:** Mr. Jenkins & Mr. Cote
- **Transportation:** Mr. Rioux
- **Horticulture:** Mrs. Summerfield & Mrs. Schoot-Uiterkamp
- **Health & Wellness:** Mrs. W-P & Mrs. Devereux

WESTLANE Secondary School
905-356-2401 5960 Pitton Rd. Niagara Falls ON L2H 1T5

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SHSM
Social Worker & Youth Counsellor

SPECIALIST HIGH SKILLS MAJOR
SHSM
Ontario.ca/SHSM

IMAGINE...
An opportunity to
test drive a career!

What is a Specialist High Skills Major (SHSM)?

A Specialist High Skills Major is a Ministry approved specialized program that allows students to focus their learning on a specific economic sector, while meeting the requirements of their Ontario Secondary School Diploma (OSSD). The program assists in their transition from secondary school to apprenticeship training, college, university, or the workplace. An SHSM enables students to gain sector-specific skills and knowledge in the context of engaging, career-related learning environments and helps them focus on graduation and on pursuing their postsecondary goals.

Components of the Program Include:

- Certifications
- Experiential Learning

Ontario Secondary School Diploma
Diplôme d'études secondaires de l'Ontario

AGRICULTURE

Specialist High Skills Major

SHSM Major Credits - (4) Required

GRADE 11

BAF3M	.....	Introduction to Financial Accounting
BDI3C	.....	Entrepreneurship
BMI3C	.....	Marketing: Goods, Services, Events
SAN33	.....	Animal Science
SBI3C	.....	Biology
SBI3U	.....	Biology
SCH3U	.....	Chemistry
SPH3U	.....	Physics
SVN3M	.....	Environmental Science
TCJ3C	.....	Construction Technology
TDJ3M	.....	Technological Design
THJ3M	.....	Green Industries
TMJ3C	.....	Manufacturing Technology
TTJ3C	.....	Transportation Technology

GRADE 12

BAT4M	.....	Principles of Financial Accounting
SBI4U	.....	Biology
SCH4C	.....	Chemistry
SCH4U	.....	Chemistry
SNC4M	.....	Science
SPH4C	.....	Physics
SPH4U	.....	Physics
TCJ4C	.....	Construction Technology
TDJ4M	.....	Technological Design
THJ4M	.....	Green Industries
TMJ4C	.....	Manufacturing Technology
TTJ4C	.....	Transportation Technology

One Senior English Credit - (1) Required

ENG3C	.....	English	ENG4C	.....	English
ENG3U	.....	English	ENG4U	.....	English
NBE3U	.....	English: Contemporary First Nations, Métis, and Inuit Voices			
NBE3C	.....	English: Contemporary First Nations, Métis, and Inuit Voices			

One Senior Mathematics Credit - (1) Required

MBF3C	.....	Foundations of College Mathematics	MAP4C	.....	Foundations of College Mathematics
MCF3M	.....	Functions & Applications	MHF4U	.....	Advanced Functions
MCR3U	.....	Functions	MCV4U	.....	Calculus & Vectors
MEL3E	.....	Mathematics for Everyday Life	MDM4U	.....	Data Management
			MEL4E	.....	Mathematics for Everyday Life

Other Required Credit

(Please note that Major course codes with a + can count for EITHER one of the Major credits or the one required "Other" credit, not both)

+BAF3M	.....	Introduction to Financial Accounting	+SBI3U	.....	Biology
+BAT4M	.....	Principles of Financial Accounting	+SBI4U	.....	Biology
BBB4M	.....	International Business	+SCH3U	.....	Chemistry
+BDI3C	.....	Entrepreneurship	+SCH4C	.....	Chemistry
+BMI3C	.....	Marketing: Goods, Services, Event	+SCH4U	.....	Chemistry
BOH4M	.....	Business Leadership	+SNC4M	.....	Science
BTA3O	.....	Information & Communication Technology: The Digital Environment	+SPH3U	.....	Physics
+SBI3C	.....	Biology	+SPH4C	.....	Physics
			+SPH4U	.....	Physics
			+SVN3M	.....	Environmental Science

AGRICULTURE

Specialist High Skills Major

SHSM Major Credits - (4) Required

Grade 11

AVI3M	.....	Visual Arts
SPH3U	.....	Physics
TCJ3C	.....	Construction Technology
TDJ3M	.....	Technological Design
THJ3M	.....	Green Industries
TMJ3C	.....	Manufacturing Technology
TTJ3C	.....	Transportation Technology

Grade 12

AVI4M	.....	Visual Arts
CGW4U	.....	World Issues: A Geographic Analysis
SPH4C	.....	Physics
SPH4U	.....	Physics
TCJ4C	.....	Construction Technology
TDJ4M	.....	Technological Design
THJ4M	.....	Green Industries
TMJ4C	.....	Manufacturing Technology
TTJ4C	.....	Transportation Technology

One English Credit

ENG3C	.....	English	ENG4C	.....	English
ENG3U	.....	English	ENG4U	.....	English
NBE3C	.....	English: Contemporary Aboriginal Voices	OLC4O	.....	Ontario Literacy Course
NBE3U	.....	English: Contemporary Aboriginal Voices			

Two Mathematics Credits

MBF3C	.....	Foundations of College Mathematics	MAP4C	.....	Foundations for College
MCF3M	.....	Functions & Applications	MEL4E	.....	Mathematics for Everyday Life
MCR3U	.....	Functions	MHF4U	.....	Advanced Functions
MEL3E	.....	Mathematics for Everyday Life	MCV4U	.....	Calculus & Vectors
			MDM4U	.....	Data Management

Other Required Credit (Please note that major course codes with a cross † can count for either one of the Major credits or the one required "Other" credit. Also, course codes with an asterisk * are offered every other year.)

† AVI3M	.....	Visual Arts	SCH3U	.....	Chemistry
† AVI3O	.....	Visual Arts, Open	SCH4C	.....	Chemistry
AVI4M	.....	Visual Arts	SCH4U	.....	Chemistry
BAF3M	.....	Financial Accounting Fundamentals	†SPH4C	.....	Physics
BAT4M	.....	Financial Accounting Principles	†SPH3U	.....	Physics
BBB4M	.....	International Business	SPH4U	.....	Physics
* BMI3C	.....	Marketing: Goods, Services, Events	* SVN3M	.....	Environmental Science
BOH4M	.....	Business Leadership Management Fundamentals			
BTA3O	.....	Computers for Business			
SBI3C	.....	Biology			
SBI3U	.....	Biology			
SBI4U	.....	Biology			

INFORMATION & COMMUNICATION TECHNOLOGY

Specialist High Skills Major

SHSM Major Credits - (4) Required

Grade 11

BTA30	Information and Communication Technology in Business
SPH3U	Physics
TCJ3C	Construction Technology
TDJ3M	Technological Design
TEJ3M	Computer Engineering Technology
TGG3M	Communications Technology: Print and Graphic Communications (Yearbook Focus)
TGJ3M	Communications Design
TGV3M	TV, Video & Movie Production
TMJ3C	Manufacturing Technology

Grade 12

SPH4C	Physics
SPH4U	Physics
TDJ4M	Technological Design*
TEJ4M	Computer Engineering Technology
TGG4M	Communications Technology: Print and Graphic Communications (Yearbook Focus)
TGJ4M	Communications Technology
TGV4M	TV, Video & Movie Production
TMJ4C	Manufacturing Technology

One English Credit

ENG3C	English	ENG4C	English
ENG3U	English	ENG4U	English
NBE3C	English: Contemporary Aboriginal Voices	OLC4O	Ontario Literacy Course
NBE3U	English: Contemporary Aboriginal Voices		

One Mathematics Credit

MBF3C	Foundations of College Mathematics	MAP4C	Foundations for College
MCF3M	Functions & Applications	MEL4E	Mathematics for Everyday Life
MCR3U	Functions	MHF4U	Advanced Functions
MEL3E	Mathematics for Everyday Life	MCV4U	Calculus & Vectors
		MDM4U	Data Management

Other Required Credit (Please note that major course codes with a cross † can count for either one of the Major credits or the one required "Other" credit. Also, course codes with an asterisk * are offered every other year.)

AMI3M	Instrumental Music	CLU3M	Understanding Canadian Law
AMV3M	Music - Vocal/Choral	*SVN3M	Environmental ScienceB
AVI3M	Visual Arts	SBI3C	Biology
AVI3O	Visual Arts, Open	SBI3U	Biology
AVI4M	Visual Arts	SBI4U	Biology
AWD3M	Visual Arts - Applied Design	SCH3U	Chemistry
BAF3M	Financial Accounting Fundamentals	SCH4U	Chemistry
BAT4M	Financial Accounting Principles	SCH4C	Chemistry
BBB4M	International Business	*SNC4M	Science
BDI3C	Entrepreneurship: The Venture	†SPH3U	Physics
*BM13C	Marketing: Goods, Services, Events	†SPH4C	Physics
BOH4M	Business Leadership Management Fundamentals	SPH4U	Physics
†BTA3O	Computers for Business		

TRANSPORTATION

Specialist High Skills Major

SHSM Major Credits - (4) Required

Grade 11

BDI3C	Introduction to Entrepreneurial Studies
SPH3U	Physics
TCJ3C	Construction Technology
TDJ3M	Technological Design
TEJ3M	Exploring Computer Technology
TGJ3M	Communications Technology
TMJ3C	Manufacturing Technology
TTJ3C	Transportation Technology: Motorcycle Focus

Grade 12

SPH4C	Physics
SPH4U	Physics
TCJ4C	Construction Technology
TDJ4M	Technological Design
TEJ4M	Exploring Computer Technology
TGJ4M	Communications Technology
TMJ4C	Manufacturing Technology
TTJ4C	Transportation Technology

One English Credit - (1) Required

ENG3C	English	ENG4C	English
ENG3U	English	ENG4U	English
NBE3C	English: Contemporary Aboriginal Voices	OLC4O	Ontario Literacy Course
NBE3U	English: Contemporary Aboriginal Voices		

One Mathematics Credit - (1) Required

MBF3C	Foundations for College Mathematics	MAP4C	Foundations for College Mathematics
MCF3M	Functions & Applications	MHF4U	Advanced Functions
MCR3U	Functions	MCV4U	Calculus & Vectors
MEL3E	Mathematics for Everyday Life	MDM4U	Data Management
		MEL4E	Mathematics for Everyday Life

Other Required Credit (Please note that major course codes with a cross † can count for either one of the Major credits or the one required "Other" credit. Also, course codes with an asterisk * are offered every other year.)

BAF3M	Financial Accounting Fundamentals	SCH4U	Chemistry
BAT4M	Financial Accounting Principles	SCH3U	Chemistry
BBB4M	International Business Fundamentals	SCH4C	Chemistry
†BDI3C	Introduction to Entrepreneurial Studies	†SPH3U	Physics
BM13C	Marketing: Goods, Services, Events	†SPH4C	Physics
BOH4M	Business Leadership: Management Fundamentals	†SPH4U	Physics
BTA3O	Information & Communication Technology: The Digital Environment	SNC4M	Science
		SNV3M	Environmental Science
SBI3C	Biology		
SBI3U	Biology		
SBI4U	Biology		

HORTICULTURE

Specialist High Skills Major

SHSM Major Credits - (4) Required

Grade 11

AVI3M	Visual Arts
AVI3O	Visual Arts, Open
CGF3M	Forces of Nature: Physical Processes
SBI3C	Biology
SBI3U	Biology
SCH3U	Chemistry
SVN3M	Environmental Science
TCJ3C	Construction Technology
TDJ3M	Technological Design
TGJ3M	Communications Technology
THJ3M	Green Industries
TTJ3C	Transportation Technology

Grade 12

AVI4M	Visual Arts
SBI4U	Biology
SCH4C	Chemistry
SCH4U	Chemistry
TCJ4C	Construction Technology
TDJ4M	Technological Design
TGJ4M	Communications Technology
THJ4M	Green Industries
TTJ4C	Transportation Technology

One English Credit

ENG3C	English	ENG4C	English
ENG3U	English	ENG4U	English
NBE3C	English: Contemporary Aboriginal Voices	OLC4O	Ontario Literacy Course
NBE3U	English: Contemporary Aboriginal Voices		

One Mathematics Credit

MBF3C	Foundations of College Mathematics	MAP4C	Foundations of College Mathematics
MCF3M	Functions & Applications	MHF4U	Advanced Functions
MCR3U	Functions	MCV4U	Calculus & Vectors
MEL3E	Mathematics for Everyday Life	MDM4U	Data Management
		MEL4E	Mathematics for Everyday Life

Other Required Credit (Please note that major course codes with a cross † can count for either one of the Major credits or the one required "Other" credit.)

BAF3M	Introduction Financial Accounting	†SBI3U	Biology
BAT4M	Principles of Financial Accounting	†SBI4U	Biology
BBB4M	International Business Fundamentals	†SCH3U	Chemistry
BMI3C	Marketing: Goods, Services, Events	†SCH4C	Chemistry
BOH4M	Business Leadership: Management Fundamentals	†SCH4U	Chemistry
		†SNC4M	Science
BTA3O	Information & Communication Technology: The Digital Environment	†SPH3U	Physics
		†SPH4C	Physics
†SBI3C	Biology	†SPH4U	Physics
		†SVN3M	Environmental Science