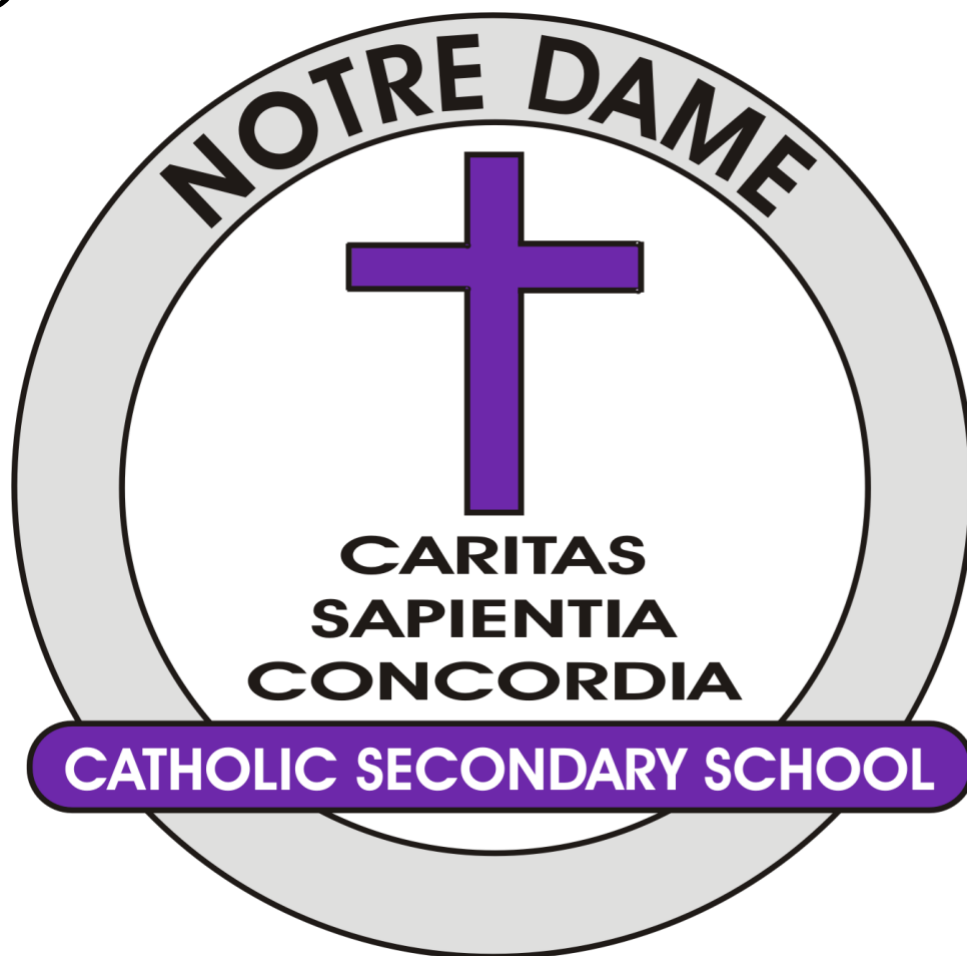


Course Calendar



2018 – 2019

*a Catholic school community committed to excellence in education with
Charity, Wisdom, and Harmony*




Catholic Secondary School

1375 Harwood Avenue North

Ajax, Ontario

L1T 4G8

905 686 4300

 905 686 4787

Notre Dame Community Prayer

O loving God,
Thank you for the many blessings
And unconditional love you have bestowed upon us.
Give us the strength to overcome temptation.
Inspire us to act as leaders in charity,
Awaken our minds to your infinite wisdom,
And help us to work together in harmony.
Guide us to live for others before ourselves
And to serve others as you so greatly serve us.
Empower us to grow as individuals
And to unite as a community,
With the fire of your love in our hearts.
Notre Dame, Our Lady, pray for us.

~ Writer's Craft Class, 2004

Principal
J. D'Amico

Vice Principals
L. Boehm
S. Brady

Chaplain
K. Mustachi



Statement of Philosophy

As a Catholic community, Notre Dame CSS will strive to educate the whole person in a God centered school of Gospel values.

- ➔ Notre Dame is a unique setting wherein our faith becomes living and active through teaching and learning and where the Catholic faith will permeate each and every aspect of the life of the school.
- ➔ In all of our daily activities -- study, prayer, action -- we will foster a knowledge and love of God and man and a commitment to service of one's neighbour.
- ➔ We are committed to the partnership among home, school, parish and community in the development of the spiritual, moral, intellectual, emotional, physical and social dimension within each of our students.
- ➔ We continue to strive to instill in our students a sense of service based on the teachings of Christ and the Church. We will prepare our students to be persons of the world and "persons for others".
- ➔ We believe in the uniqueness of each student and that each student is a valued individual. Further, we believe that all students can learn and experience success.
- ➔ Our staff champions superior standards of academic excellence and will challenge each student to "be the best s/he can be".

*The Notre Dame community is committed to achieving each of the above under the guidance of Jesus, Our Savior,
"whose spirit, working in us, can accomplish more than we can ever hope or imagine." (Eph. 3:20)*

The Notre Dame CSS course calendar can be viewed at notredame.dcdsb.ca.



Additional information from the Durham Catholic District School Board can be viewed at dcdsb.ca.

Graduation Requirements

Ontario Secondary School Diploma (OSSD)

1. Completion of 30 credits

- ♦ 4 Religion (1 per year)
- ♦ 18 Compulsory Credits
 - ↳ 4 English
A maximum of 3 credits in ESL or ELD may be counted toward this requirement.
 - ↳ 1 French
 - ↳ 3 Mathematics (1 senior level)
 - ↳ 2 Science
 - ↳ 1 Canadian History
 - ↳ 1 Canadian Geography
 - ↳ 1 Arts
 - ↳ 1 Physical & Health Education
 - ↳ ½ credit in Civics & Citizenship
 - ↳ ½ credit in Career Studies
 - ↳ 1 Group 1 additional English, or French as a Second Language, or a Native/Classical/International Language, or Social Science & Humanities, or Canadian & World Studies or Guidance or Cooperative Education
 - ↳ 1 Group 2 additional credit in Physical & Health Education, or the Arts, or French as a Second Language, or Business Studies, or Cooperative Education
 - ↳ 1 Group 3 additional credit in Science (grade 11 or 12) or Technological Education, or Computer Studies, or French as a Second Language or Cooperative Education
- ♦ 8 Optional Credits

A maximum of 2 credits in cooperative education may be used as compulsory credits.

A maximum of 4 credits achieved through dual credit courses may be used for group one, two or three.

2. Completion of the Ontario Secondary School Literacy Test (OSSLT)

Students who have been unsuccessful on the Grade 10 Test of Reading and Writing Skills on two occasions may take the Ontario Secondary School Literacy Course (OSSLC) to satisfy this requirement. Accommodation, deferrals, and exemption are considered on an individual basis. Notre Dame is proud to offer many programs to assist students in preparing for the OSSLT. We have instituted a school wide emphasis on literacy skills, additional preparation in grade nine English classes, and remedial courses in literacy skills development at the grade ten levels. We strongly encourage all students to read and write at home as often as possible.

3. Completion of 40 hours of Christian Community Service

Students will be responsible for completing, recording and submitting a minimum of 40 hours of unpaid community involvement activities to their Guidance Counsellor. Information about community service opportunities and record sheets are available in the Guidance office. Any question about the validity of a particular activity should be clarified with the Guidance Counsellor prior to its commencement.

Ontario Secondary School Certificate (OSSC)

The Ontario Secondary School Certificate will be granted upon request to students who leave school before earning the OSSD.

Completion of 14 credits

- ♦ 4 Religion (1 per year)
- ♦ 7 Compulsory Credits
 - ↳ 2 English
 - ↳ 1 Mathematics
 - ↳ 1 Science
 - ↳ 1 Canadian Geography or Canadian History
 - ↳ 1 Arts or Technological Education
 - ↳ 1 Physical & Health Education
- ♦ 3 Optional Credits

Credit Information

Prior Learning Assessment and Recognition (PLAR)

Prior Learning Assessment and Recognition (PLAR), is the formal evaluation and credit-granting process whereby students may obtain credits for prior learning. Prior learning includes the knowledge and skills that students have acquired outside of secondary schools. Students may have their knowledge and skills evaluated against the expectations outlined in the provincial curriculum policy documents in order to earn credits towards the secondary school diploma.

The PLAR “challenge” process involves the process whereby students’ prior learning is assessed and evaluated for the purpose of granting credit for a course developed from a provincial curriculum policy document. Students may challenge for credit only in Grade 10, 11 or 12 courses developed from a provincial curriculum policy document. They may obtain a maximum of four credits through the challenge process, and no more than two credits in one subject area.

A student:

- ♦ is eligible to challenge credits that have not been completed or attempted through previous enrolment in the past four years
- ♦ will only be granted one opportunity to challenge for a specific course
- ♦ may challenge a Grade 10, 11 or 12 course regardless of their current grade

For additional information, students should make an appointment with their guidance counselor.

Honour Roll

Student placement on the Honour Roll at Notre Dame is based on the achievement of an average of 80% or greater in all day school courses attempted each year. Honour roll calculations are completed each June.

Full Disclosure

If a student withdraws from a course *after* five instructional days following the issue of the first report card (midterm), the withdraw is recorded on their transcript as a W in the credit column. The student’s percentage grade at the time of withdrawal is also recorded.

Course and Level Changes

Course and level changes may be approved after a formal request. There will be no changes to optional courses on grade 9 and 10 timetables after the first day of school in September. Grade 11 and 12 timetables will only be changed based on a strict set of criteria. Course and Level Change Request Forms are available in the Guidance office.

Programming Information

eLearning

The Ontario Ministry of Education defines eLearning in the following way: “eLearning involves the use of electronic technologies to support learning and teaching”. For our students, it’s a classroom environment where course content, discussions, assignments and talking with the teacher and classmates are done online. Curriculum expectations for an eLearning course are the same as for those taught in schools; only the method of delivery has been changed. eLearning students will still have the support of a fully-qualified teacher, one who will guide them through the course and answer any questions they might have with the material.

Dual Credit Courses

Dual Credit courses and programs are intended to assist students in the completion of their OSSD and successful transition to college and apprenticeship programs. Through a dual credit, students are simultaneously enrolled in a secondary school course and a first year college course. Upon successful completion, students earn both a college credit and a high school credit. Courses are team taught, whereby the college professor travels to the school and teaches the course with a Notre Dame teacher. Dual credit courses vary from year to year so students are encouraged to speak with their Guidance Counsellor for additional information.

Advanced Placement (AP) Courses

Advanced Placement is a program that offers university level curriculum and examinations to high school students. Some universities, at the student’s initiative, may grant placement and course credit to students who obtain high scores on the examinations. At Notre Dame, Advanced Placement courses commence in grade 10 for Math and Science and in grade 12 for English, French and History. Students are encouraged to speak with their Guidance Counsellor for additional information.

Specialist High Skills Major (SHSM)

SHSM is a Ministry-approved specialized program that allows students to focus their learning on a specific economic sector while meeting the requirements of the OSSD. A Specialist High Skills Major program 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. Notre Dame CSS offers SHSMs in Business and Sports and the following charts indicate the required course bundles for each.

BUSINESS

ENGLISH 1 credit/year	ENG3U1 ENG3C1 ENG3E1	University College Workplace	ENG4U1/2 ENG4C1 ENG4E1 OLC4O1	University College Workplace Literacy Course
MATH 1 credit/year	MCR3U1 MCF3M1 MBF3C1 MEL3E1	University University/College College Workplace	MCV4U1 MHF4U1 MDM4U1 MCT4C1 MAP4C1 MEL4E1	Calculus & Vectors Advanced Functions Data Management College Technology College level Workplace level
MAJOR 4 credits	AWE3M1 BAF3M1 BD3C1 BM3C1 BTA3O1 CLU3E1 CLU3M1 HRF3O1 HRT3M1 ICS3C1 ICS3U1 TDJ3M1 TER3M1 TGJ3M	Visual Arts – Information/Consumer Design [Yearbook] Financial Accounting Fundamentals Entrepreneurship: The Venture Marketing: Goods, Services, Events Information and Communication Tech Understanding Canadian Law Understanding Canadian Law World Religions World Religions Intro to Computer Programming Intro to Computer Science Technological Design Computer Engineering Technology Communications Tech (Web Design)		
	BAT4M1 BBB4M1 BDV4C1 BOH4M1 BTX4E1 CIA4U1 CGW4U CLN4U1 CLN4C1 ICS4C1 ICS4U1 NDG4M1 TCJ4C1 TER4M1 TGJ4M1	Financial Accounting International Business Venture Planning Business Leadership Info and Communication Technology Analysing Current Economic Issues World Issues: A Geographic Analysis Canadian and International Law Legal Studies Computer Programming Computer Science Issues of Indigenous Peoples Construction Engineering Technology Computer Engineering Technology Communications Tech (Web Design)		
CO-OP 2 credits	CWE2O9 (2 credits) CWE4O9 (4 credits)			

NON-PROFIT

ENGLISH 1 credit	ENG3U1 ENG3C1 ENG3E1	University College Workplace	ENG4U1/2 ENG4C1 ENG4E1 OLC4O1	University College Workplace Literacy Course
MATH 1 credit	MCR3U1 MCF3M1 MBF3C1 MEL3E1	University University/College College Workplace	MCV4U1 MHF4U1 MDM4U1 MCT4C1 MAP4C1 MEL4E1	Calculus & Vectors Advanced Functions Data Management College Technology College level Workplace level
MAJOR 4 credits	AWE3M1 BM3C1/D CGG3O1 CHA3U1 CHW3M1 CLU3E1 CLU3M1 EMS3O1 HIP3EQ HPC3O1 HRF3O1 HRT3M1 HSP3C1 HSP3U1 SVN3E1 SVN3M1 TGJ3M1	Visual Arts – Information/Consumer Design [Yearbook] Marketing: Goods, Services, Events Travel & Tourism: A Geographic Perspective American History World History to the End of the 15 th Century Understanding Canadian Law Understanding Canadian Law Media Studies Managing Personal Resources Raising Healthy Children World Religions: Beliefs & Daily Life World Religions: Beliefs, Issues, & Religious Traditions Intro to Anthropology, Psychology, & Sociology Intro to Anthropology, Psychology, & Sociology Environmental Science Environmental Science Communications Technology [Web Design]		
	AWE4M1 BBB4M1 BDV4C1 BOH4M1 CGR4M1 CGW4C1 CGW4U1 CH4UE CHY4C1 CHY4U1 CIA4U1 CLN4U1 HFA4C1 HFA4U1 HHS4U1 HPD4C1 HSB4U1 HZT4U1 PLF4C1 TGJ4M1	Visual Arts – Information/Consumer Design [Yearbook] International Business Fundamentals Entrepreneurship: Venture Planning in an Electronic Age Business Leadership: Management Fundamentals The Environment & Resource Management World Issues: A Geographic Analysis World Issues: A Geographic Analysis Canada: History, Identify & Culture World History Since the 15 th Century World History Since the 15 th Century Economics Canadian and International Law Nutrition and Health Nutrition and Health Families in Canada Parenting and Human Development Challenge & Change in Society Philosophy Recreation and Fitness Leadership Communications Technology [Web Design]		
CO-OP 2 credits	CWE2O9 (2 credits) CWE4O9 (4 credits)			
OTHER 1 credit	BAF3M1 BD3C1 BM3C1/D BMX3E1 BTA3O1 SB3C1/D SB3U1/2 SCH3U1/2 SPH3U1 SVN3E1 SVN3M1	Financial Accounting Entrepreneurship: The Venture Marketing Marketing: Retail & Service Info & Communication Technology: Digital Environment Biology Biology Chemistry Physics Environmental Science Environmental Science		
	BAT4M1 BBB4M1 BDV4C1 BOH4M1 SB4U1 SCH4C1 SCH4U1 SES4U1 SNC4E1 SNC4M1 SPH4C1 SPH4U1	Financial Accounting International Business Venture Planning Business Leadership Biology Chemistry Chemistry Earth and Space Science Science Science [Health Science] Physics Physics		

SPORTS

ENGLISH 1 credit/year	ENG3U1 ENG3C1 ENG3E1	University College Workplace	ENG4U1/2 ENG4C1 ENG4E1 OLC4O1	University College Workplace Literacy Course
	MATH 1 credit	MCR3U1 MCF3M1 MBF3C1 MEL3E1	University University/College College Workplace	
MAJOR 4 credits				
ASM3M1/2 Media Arts ATC3M1 Dance BM3C1 Marketing: Goods, Services, Events CLU3E1 Understanding Canadian Law CLU3M1 Understanding Canadian Law EMS3O1 Media Studies HSP3C1 Intro to Anthro, Psych, & Soc HSP3U1 Intro to Anthro, Psych, & Soc ICS3C1 Intro to Computer Programming ICS3U1 Intro to Computer Science PAF3O1/2 Cardiovascular & Strength Training PPL3O1/2 Healthy Active Living Education PPL3O3 Basketball (co-ed) SB3C1 Biology SB3U1 Biology SCH3U1 Chemistry SPH3U1 Physics TGJ3M1 Communications Tech (Web Design)				
ATC4M1 Dance BOH4M1 Business Leadership CLN4C1 Legal Studies CLN4U1 Canadian and International Law EWC4C1 The Writer's Craft EWC4U1 The Writer's Craft HFA4C1 Nutrition and Health HFA4U1 Nutrition and Health HPD4C1 Parenting and Human Development PAF4O3 Cardio & Strength Training (co-ed) PLF4C3 Recreation and Fitness Leadership PPL4O3 Healthy Active Living (co-ed) PSE4U3 Exercise Science SB4U1 Biology SCH4U1 Chemistry SPH4U1 Physics TGJ4M1 Communications Tech (Web Design)				

CO-OP 2 credits	CWE2O9 (2 credits) CWE4O9 (4 credits)	
OTHER 2 credits	BAF3M1 BD3C1 BM3C1 BTA3O1 CLU3E1 CLU3M1 HPC3O1 HRF3O1 HSP3C1 HSP3U1 SB3C1 SB3U1 SCH3U1 SPH3U1 SVN3E1 SVN3M1	Financial Accounting Entrepreneurship: The Venture Marketing Information & Communication Tech Understanding Canadian Law Understanding Canadian Law Parenting World Religions Intro to Anthro, Psych, & Soc Intro to Anthro, Psych, & Soc Biology Biology Chemistry Physics Environmental Science Environmental Science
	BAT4M1 BBB4M1 BDV4C1 BOH4M1 CLN4C1 CLN4U1 HFA4C1 HFA4U1 HPD4C1 HSB4U1 HHS4C1 SB4U1 SCH4C1 SCH4U1 SNC4E1 SNC4M1 SPH4C1 SPH4U1	Financial Accounting International Business Venture Planning Business Leadership Legal Studies Canadian and International Law Nutrition and Health Nutrition and Health Parenting & Human Development Challenge and Change in Society Families in Canada Biology Chemistry Chemistry Science Science Physics Physics

Destination Planning

- Students are encouraged to research career interests early and often to ensure proper course selection throughout high school. Useful websites include careercruising.com and careermash.ca/careers.
- Students intending to apply to university require 6 U or M level grade 12 courses to be eligible. They will also need specific program pre-requisites, along with ENG4U1. Refer to electronicinfo.ca for more information.
- Students applying to College require an OSSD including ENG4C1 or ENG4U1 plus specific program pre-requisites as outlined in College Calendars. For more info see ontariocolleges.ca.
- Apprenticeship information is available from a guidance counselor or co-op teacher. Students interested in apprenticeships should apply for a co-op. More information is available at tradeability.ca.
- Information on how to apply to post-secondary programs is available in Guidance and at the application assembly held in November of the grade 12 year.
- Students applying directly to the workplace after high school are encouraged to see their Guidance Counselor for information to prepare them for this endeavor.
- Students considering post-secondary options in the United States are encouraged to research options early to ensure eligibility. Helpful websites include uscollegeexpo.com and eligibilitycenter.org. Additional information is available in Guidance.

Note: Course offerings are subject to change.
Course overviews and Ontario Curriculum Policy Documents are available at www.edu.gov.on.ca.

COURSE CODES AND DESCRIPTIONS

Religion

HRE101 (open) Discipleship and Culture 1.0 credit

This course engages students in the examination of the Christian narrative as revealed in Sacred Scripture. Students are invited to a deeper understanding of both the joy and the demands of living out the call to discipleship as it is described in the Scriptures. Students explore discipleship as encountered in the Sacred Tradition of the Church (Sacraments, Liturgical Year and Church Teaching and Law), as part of their ongoing personal growth and faith understanding. Students explore Catholic rituals, teaching, practice, morals and values, and virtues to facilitate a healthy and covenantal relationship with self, God and with others. Using theological reflection, they are challenged to explore the connections and disconnections of ethical concepts (euthanasia, abortion, sexuality, etc.) between the Church and contemporary culture. The course focuses on encouraging students to know and love by following in the footsteps of Jesus. As they learn of his words and deeds, they discover the importance of prayerfully serving the community to bring about the Reign of God.

HRE201 (open) Christ and Culture 1.0 credit

This course both invites and challenges the adolescent to personalize the Gospel values and social justice principles that guide Catholics in understanding their role in shaping culture as disciples of Jesus. Students will explore such foundational topics as: what it means to be human, created in God's image, what is culture, Christ and culture, living together in solidarity, social justice, prayer and sacrament, friendship and intimacy. Connections between the living Church and contemporary culture are explored in terms of what it means to be a responsible Christian adolescent in a secularized, pluralistic world.

HRF301 (open) Faith and Culture: World Religions 1.0 credit

This course engages students in the examination of world religions, particularly Judaism, Christianity and Islam, First Nations, Métis and Inuit Spiritualities, and locally appropriate religious tradition(s), if suitable. This is a survey course that will help students understand the basic similarities and differences between the religious traditions so they can interact with others with acceptance and familiarity. Ontario is a multi-faith global community. Students will deepen their understanding of the various faith traditions in their local community and around the world.

HRT3M1 (university/college) Faith and Culture: World Religions 1.0 credit

Prerequisite: HRE201 or ENG2D1 or ENG2P1

This course engages students in the examination of world religions, particularly Judaism, Christianity, Islam and the First Nations, Métis and Inuit Spiritualities and a locally appropriate religious tradition. This is a survey course that will help students understand the basic similarities and differences between the religious traditions so they can interact with others with acceptance and familiarity. We live in a multi-faith global community. With the knowledge of this course, students ought to be able to understand more clearly the world's religious affairs.

HRE401 (open) Church and Culture 1.0 credit

This course has the aim of assisting students in understanding themselves as moral persons living the way of Christ through an examination of the revelation of sacred Scripture, and the experience and teaching of the Catholic Church. It engages students in critical reflection on significant contemporary moral and ethical issues in light of Scripture, Church teaching, and their own experiences (i.e., Theological Reflection). Social and ecological justice issues are explored along with a study of topics that focus on Christian mercy and forgiveness. The graces and challenges of every day human living, understanding who we are, what we are called to be, and living in relationships, including marriage, and family life are explored from a Catholic perspective. Students are challenged to adopt the Christian stance in the political world.

HRE4M1 (university/college) Church and Culture 1.0 credit

Prerequisite: HRT3M1 or any U or M course in the Social Sciences, English or Canadian and World Studies

This course enables students to deepen their understanding of how the Church engages contemporary culture with faith and reason, in pursuit of love, justice, and the common good. Students will have opportunity to learn how living the Baptismal vocation to a virtuous life, filled with the joy of the Gospel and nurtured by the sacraments, can transform them and society from within, allowing God to reign in human hearts. Students will also refine research and inquiry skills.

The Arts

DANCE

ATC101 (open) Dance 1.0 credit

This course gives students the opportunity to explore their technical and compositional skills by applying the elements of dance and the tools of composition in a variety of performance situations. Students will generate movement through structured and unstructured improvisation, demonstrate an understanding of safe practices with regard to themselves and others in the dance environment, and identify the function and significance of dance within the global community. *Ballet and modern dance will be studied.*

ATC201 (open) Dance 1.0 credit

This course emphasizes the development of students' technique and creative skills relating to the elements of dance and the tools of composition in a variety of performance situations. Students will identify responsible personal and interpersonal practices related to dance processes and production, and will apply technologies and techniques throughout the process of creation to develop artistic scope in the dance arts. *Ballet and modern dance will be studied.*

ATC3M1 (university/college) Dance 1.0 Credit

Prerequisite: ATC101 or ATC201

This course emphasizes the development of students' artistry, improvisational and compositional skills, and technical proficiency in global dance genres. Students will apply dance elements, techniques, and tools in a variety of ways, including performance situations; describe and model responsible practices related to the dance environment; and reflect on how the study of dance affects personal and artistic development. *Ballet and modern dance will be studied.*

ATC4M1 (university/college) Dance 1.0 credit

Prerequisite: ATC3M1 or ATC3O1

This course emphasizes the development of students' technical proficiency, fluency in the language of movement in global dance genres, and understanding of the dance sciences. Students will explain the social, cultural, and historical contexts of dance; apply the creative process through the art of dance in a variety of ways; and exhibit an understanding of the purpose and possibilities of continuing engagement in the arts as a lifelong learner. *Ballet and modern dance will be studied.*

DRAMA

ADA101 (open) Drama 1.0 credit

This course provides opportunities for students to explore dramatic forms and techniques, using material from a wide range of sources and cultures. Students will use the elements of drama to examine situations and issues that are relevant to their lives. Students will create, perform, discuss, and analyse drama, and then reflect on the experiences to develop an understanding of themselves, the art form, and the world around them.

ADA201 (open) Drama 1.0 credit

This course provides opportunities for students to explore dramatic forms, conventions, and techniques. Students will explore a variety of dramatic sources from various cultures and representing a range of genres. Students will use the elements of drama in creating and communicating through dramatic works. Students will assume responsibility for decisions made in the creative and collaborative processes and will reflect on their experiences.

ADA3M1 (university/college) Drama 1.0 credit

Prerequisite: ADA101 or ADA201

This course requires students to create and perform in dramatic presentations. Students will analyse, interpret, and perform dramatic works from various cultures and time periods. Students will research various acting styles and conventions that could be used in their presentations, and analyse the functions of playwrights, directors, actors, designers, technicians, and audiences.

ADA4M1 (university/college) Drama 1.0 credit

Prerequisite: ADA3M1

This course requires students to experiment individually and collaboratively with forms and conventions of both drama and theatre from various cultures and time periods. Students will interpret dramatic literature and other text and media sources while learning about various theories of directing and acting. Students will examine the significance of dramatic arts in various cultures, and will analyse how the knowledge and skills developed in drama are related to their personal skills, social awareness, and goals beyond secondary school.

EXPLORING AND CREATING IN THE ARTS

AEA401 (open) Exploring and Creating in the Arts 1.0 credit

Prerequisite: any grade 9 or 10 Arts course

This course offers students the opportunity to explore connections between dance, drama, media arts, music, and/or visual arts. Students will use the creative process individually and/or collaboratively to produce integrated art works that draw on various disciplines, and they will critically analyse art works and determine how interpreting these works affects their own development. Students will develop responsible practices that are transferable beyond the classroom. They will explore solutions to integrated arts challenges and discover that art is everywhere, influencing and reflecting society.

MEDIA ARTS

ASM201 (open) Media Arts 1.0 credit

This course enables students to create media art works by exploring new media, emerging technologies such as digital animation, and a variety of traditional art forms such as film, photography, video, and visual arts. Students will acquire communications skills that are transferable beyond the media arts classroom and develop an understanding of responsible practices related to the creative process. Students will develop the skills necessary to create and interpret media art works. *The course will focus on software such as Illustrator and Photoshop, and will incorporate original digital photography; student work will be used in the creation and presentation of a digital portfolio.*

ASM3M1 (university/college) Media Arts (beginner) 1.0 credit

Prerequisite: any grade 9 or 10 Arts course

ASM3M2 (university/college) Media Arts (experienced) 1.0 credit

Prerequisite: ASM201

This course focuses on the development of media arts skills through the production of art works involving traditional and emerging technologies, tools, and techniques such as new media, computer animation, and web environments. Students will explore the evolution of media arts as an extension of traditional art forms, use the creative process to produce effective media art works, and critically analyse the unique characteristics of this art form. Students will examine the role of media artists in shaping audience perceptions of identity, culture, and community values. *Course objectives will be achieved through a focus on the still image and a gradual focus on video and digital video editing.*

AWE3M1 (university/college) Visual Arts – Information / Consumer Design [Yearbook] 1.0 credit

Prerequisite: any grade 9 or 10 Visual Arts or ASM201

Recommendation: ASM201

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 emergent 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 artform. *Focus of study will be on print media, yearbook production and the development of a portfolio, while using software such as In Design, Illustrator, and Photoshop.*

AWE4M1 (university/college) Visual Arts – Information / Consumer Design [Yearbook] 1.0 credit

Prerequisite: any grade 11 Visual Arts course or AWE3M1

Recommendation: AWE3M1

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. *Focus of study will be on print media, yearbook production and the development of a portfolio, while using software such as In Design, Illustrator, and Photoshop.*

IDC4U1 (university) Interdisciplinary Studies [Film and Documentary Studies] 1.0 credit

Prerequisite: any grade 11 university or university/college

Recommendation: ASM3M1 or ASM3M2

This course will help students develop and consolidate the skills required for and knowledge of different subjects and disciplines to solve problems, make decisions, create personal meaning, and present findings beyond the scope of a single subject or discipline. Students will apply the principles and processes of inquiry and research to effectively use a range of print, electronic, and mass media resources; to analyse historical innovations and exemplary research; and to investigate real-life situations and career opportunities in interdisciplinary endeavours. They will also assess their own cognitive and affective strategies, apply general skills in both familiar and new contexts, create innovative products, and communicate new knowledge. *This course examines the evolution and impact of film and documentaries on society from the silent film era through to the development of digital video; students will use diverse pre-production, production, and post-production elements and principles to create original film and/or documentaries using digital video editing techniques and practices honed in this course.*

MUSIC

AMI101 (open) Music – Band 1.0 credit

This course emphasizes the creation and performance of music at a level consistent with previous experience and is aimed at developing technique, sensitivity, and imagination. Students will develop musical literacy skills by using the creative and critical analysis processes in composition, performance, and a range of reflective and analytical activities. Students will develop an understanding of the conventions and elements of music and of safe practices related to music, and will develop a variety of skills transferable to other areas of their life. *The experienced course is designed for students who have been involved in an instrumental music program in elementary school.*

AMV101 (open) Music – Vocal / Choral 1.0 credit

This course emphasizes the creation and performance of music at a level consistent with previous experience and is aimed at developing technique, sensitivity, and imagination. Students will develop musical literacy skills by using the creative and critical analysis processes in composition, performance, and a range of reflective and analytical activities. Students will develop an understanding of the conventions and elements of music and of safe practices related to music, and will develop a variety of skills transferable to other areas of their life. *The above will be achieved through the study of vocal music.*

AMG201 (open) Music – Guitar 1.0 credit

This course emphasizes the creation and performance of music at a level consistent with previous experience. Students will develop musical literacy skills by using the creative and critical analysis processes in composition, performance, and a range of reflective and analytical activities. Students will develop their understanding of musical conventions, practices, and terminology and apply the elements of music in a range of activities. They will also explore the function of music in society with reference to the self, communities, and cultures. *Course objectives will be achieved through the study of classical guitar music; classical guitar provided.*

AMI201 (open) Music – Band 1.0 credit

Prerequisite: None

This course emphasizes the creation and performance of music at a level consistent with previous experience. Students will develop musical literacy skills by using the creative and critical analysis processes in composition, performance, and a range of reflective and analytical activities. Students will develop their understanding of musical conventions, practices, and terminology and apply the elements of music in a range of activities. They will also explore the function of music in society with reference to the self, communities, and cultures. *The experienced course is designed for students who have taken grade 9 instrumental music or been involved in an instrumental music program in elementary school.*

AMQ201 (open) Music – Steel Drum 1.0 credit

This course emphasizes the creation and performance of music at a level consistent with previous experience. Students will develop musical literacy skills by using the creative and critical analysis processes in composition, performance, and a range of reflective and analytical activities. Students will develop their understanding of musical conventions, practices, and terminology and apply the elements of music in a range of activities. They will also explore the function of music in society with reference to the self, communities, and cultures. *The above will be achieved through the study of steel drum music.*

AMV201 (open) Music – Vocal / Choral 1.0 credit

This course emphasizes the creation and performance of music at a level consistent with previous experience. Students will develop musical literacy skills by using the creative and critical analysis processes in composition, performance, and a range of reflective and analytical activities. Students will develop their understanding of musical conventions, practices, and terminology and apply the elements of music in a range of activities. They will also explore the function of music in society with reference to the self, communities, and cultures. *The above will be achieved through the study of vocal music.*

AMG3M1 (university college) Music – Guitar 1.0 credit

Prerequisite: any grade 9 or 10 Music course

Recommendation: AMG2O1

This course provides students with opportunities to develop their musical literacy through the creation, appreciation, analysis, and performance of music, including traditional, commercial, and art music. Students will apply the creative process when performing appropriate technical exercises and repertoire and will employ the critical analysis processes when reflecting on, responding to, and analysing live and recorded performances. Students will consider the function of music in society and the impact of music on individuals and communities. They will explore how to apply skills developed in music to their life and careers. *Course objectives will be achieved through the study of classical guitar music; classical guitar provided.*

AMI3M1 (university/college) Music – Band 1.0 credit

Prerequisite: any grade 9 or 10 Music course

Recommendation: AMI1O1 or AMI2O1

This course provides students with opportunities to develop their musical literacy through the creation, appreciation, analysis, and performance of music, including traditional, commercial, and art music. Students will apply the creative process when performing appropriate technical exercises and repertoire and will employ the critical analysis processes when reflecting on, responding to, and analysing live and recorded performances. Students will consider the function of music in society and the impact of music on individuals and communities. They will explore how to apply skills developed in music to their life and careers. *The above will be achieved through the study of instrumental music.*

AMQ3M1 (university/college) Music – Steel Drum 1.0 credit

Prerequisite: any grade 9 or 10 Music course

Recommendation: AMQ2O1

This course provides students with opportunities to develop their musical literacy through the creation, appreciation, analysis, and performance of music, including traditional, commercial, and art music. Students will apply the creative process when performing appropriate technical exercises and repertoire and will employ the critical analysis processes when reflecting on, responding to, and analysing live and recorded performances. Students will consider the function of music in society and the impact of music on individuals and communities. They will explore how to apply skills developed in music to their life and careers. *The above will be achieved through the study of steel drum music.*

AMV3M1 (university/college) Music – Vocal / Choral 1.0 credit

Prerequisite: any grade 9 or 10 Music course

Recommendation: AMV1O1 or AMV2O1

This course provides students with opportunities to develop their musical literacy through the creation, appreciation, analysis, and performance of music, including traditional, commercial, and art music. Students will apply the creative process when performing appropriate technical exercises and repertoire and will employ the critical analysis processes when reflecting on, responding to, and analysing live and recorded performances. Students will consider the function of music in society and the impact of music on individuals and communities. They will explore how to apply skills developed in music to their life and careers. *The focus of this course is contemporary music.*

AMG4M1 (university college) Music – Guitar 1.0 credit

Prerequisite: any grade 11 Music course

Recommendation: AMG3M1

This course enables students to enhance their musical literacy through the creation, appreciation, analysis, and performance of music. Students will perform traditional, commercial, and art music, and will respond with insight to live and recorded performances. Students will enhance their understanding of the function of music in society and the impact of music on themselves and various communities and cultures. Students will analyse how to apply skills developed in music to their life and careers. *Course objectives will be achieved through the study of classical guitar music; classical guitar provided.*

AMI4M1 (university/college) Music – Band 1.0 credit

Prerequisite: any grade 11 Music course

Recommendation: AMI3M1

This course enables students to enhance their musical literacy through the creation, appreciation, analysis, and performance of music. Students will perform traditional, commercial, and art music, and will respond with insight to live and recorded performances. Students will enhance their understanding of the function of music in society and the impact of music on themselves and various communities and cultures. Students will analyse how to apply skills developed in music to their life and careers. *The above will be achieved through the study of instrumental music.*

AMQ4M1 (university/college) Music – Steel Drum 1.0 credit

Prerequisite: any grade 11 Music course

Recommendation: AMQ3M1

This course enables students to enhance their musical literacy through the creation, appreciation, analysis, and performance of music. Students will perform traditional, commercial, and art music, and will respond with insight to live and recorded performances. Students will enhance their understanding of the function of music in society and the impact of music on themselves and various communities and cultures. Students will analyse how to apply skills developed in music to their life and careers. *The above will be achieved through the study of steel drum music.*

AMV4M1 (university/college) Music – Vocal / Choral 1.0 credit

Prerequisite: any grade 11 Music course

Recommendation: AMV3M1

This course enables students to enhance their musical literacy through the creation, appreciation, analysis, and performance of music. Students will perform traditional, commercial, and art music, and will respond with insight to live and recorded performances. Students will enhance their understanding of the function of music in society and the impact of music on themselves and various communities and cultures. Students will analyse how to apply skills developed in music to their life and careers. *The focus of this course is contemporary music.*

VISUAL ARTS

AVI101 (open) Visual Arts 1.0 credit

This course is exploratory in nature, offering an overview of visual arts as a foundation for further study. Students will become familiar with the elements and principles of design and the expressive qualities of various materials by using a range of media, processes, techniques, and styles. Students will use the creative and critical analysis processes and will interpret art within a personal, contemporary, and historical context.

AVI201 (open) Visual Arts 1.0 credit

This course enables students to develop their skills in producing and presenting art by introducing them to new ideas, materials, and processes for artistic exploration and experimentation. Students will apply the elements and principles of design when exploring the creative process. Students will use the critical analysis process to reflect on and interpret art within a personal, contemporary, and historical context. *This course will be delivered through a program focused on illustration, traditional animation, drawing, painting, and sculpture.*

AWM201 (open) Visual Arts – Drawing and Painting 1.0 credit

Prerequisite: none

Recommendation: AVI101

This course enables students to develop their skills in producing and presenting art by introducing them to new ideas, materials, and processes for artistic exploration and experimentation. Students will apply the elements and principles of design when exploring the creative process. Students will use the critical analysis process to reflect on and interpret art within a personal, contemporary, and historical context.

AVI3M1 (open) Visual Arts 1.0 credit

Prerequisite: any grade 9 or 10 Visual Arts course

Recommendation: AVI201 or AWM201

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 emergent 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). *A large component of this course is mural painting.*

AWD3M1 (open) Visual Arts – Visual Design 1.0 credit

Prerequisite: any grade 9 or 10 Visual Arts course

Recommendation: AVI201 or AWM201

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 emergent 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 artform (e.g. photography, video, computer graphics, information design). *The above will be achieved through the study of graphic design, fashion, animation and architecture.*

AVI4M1 (university/college) Visual Arts 1.0 credit

Prerequisite: any grade 11 Visual Arts course

Recommendation: AVI3M1

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.

AWD4M1 (university/college) Visual Arts – Visual Design

1.0 credit

Prerequisite: any grade 11 Visual Arts course

Recommendation: AWD3M1

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. *The focus of study will be on graphic design, fashion, animation and architecture and on the creation of a design portfolio.*

Business, Computers and Technological Studies

BUSINESS

BTT101 (open) Information and Communication Technology in Business 1.0 credit

This course introduces students to information and communication technology in a business environment and builds a foundation of digital literacy skills necessary for success in a technologically driven society. Students will develop word processing, spreadsheet, database, desktop publishing, presentation software, and website design skills. Throughout the course, there is an emphasis on digital literacy, effective electronic research and communication skills, and current issues related to the impact of information and communication technology. *Most of the course expectations will be met through the use of Microsoft Word, Excel, Access, Power Point and Publisher.*

BBI201 (open) Introduction to Business 1.0 credit

This course introduces students to the world of business. Students will develop an understanding of the functions of business, including accounting, marketing, information technology, human resources, and production, and of the importance of ethics and social responsibility. This course builds a foundation for further studies in business and helps students develop the business knowledge and skills they will need in their everyday lives.

EARN A COLLEGE CREDIT WHILE AT NOTRE DAME:

Students who successfully complete BAF3M1 and BAT4M1 with a minimum grade of 70% in each course and have completed their OSSD may apply for one credit through Durham College in one of Accounting I – Business or Business Administration (ACCT 1200), Accounting I – Human Resources Management post-graduate diploma (ACCT 4208), Financial Accounting I – Business Administration - Professional Golf Management (ACCT 1315), or Administrative Accounting – Sports Administration/Sport Management (ACCT 1316). Students are encouraged to speak with their grade 11 accounting teacher at Notre Dame CSS for more details.

BAF3M1 (university/college) Financial Accounting Fundamentals 1.0 credit

This course introduces students to the fundamental principles and procedures of accounting. Students will develop financial analysis and decision-making skills that will assist them in future studies and/or career opportunities in business. Students will acquire an understanding of accounting for a service and a merchandising business, computerized accounting, financial analysis, and current issues and ethics in accounting. *Some course expectations will be met through the use of spreadsheets, and/or Simply Accounting.*

BDI3C1 (college) Entrepreneurship: The Venture 1.0 credit

This course focuses on ways in which entrepreneurs recognize opportunities, generate ideas, and organize resources to plan successful ventures that enable them to achieve their goals. Students will create a venture plan for a student-run school-based or summer business. Through hands-on experiences, students will have opportunities to develop the values, traits, and skills most often associated with successful entrepreneurs.

BMI3C1 (college) Marketing: Goods, Services, Events 1.0 credit

BMI3CD (college) Marketing: Goods, Services, Events (dual credit) 1.0 credit

This course introduces the fundamental concepts of product marketing, which includes the marketing of goods, services, and events. Students will examine how trends, issues, global economic changes, and information technology influence consumer buying habits. Students will engage in marketing research, develop marketing strategies, and produce a marketing plan for a product of their choice. *The dual credit option affords students the opportunity to achieve a college credit and a high school credit.*

BTA3O1 (open) Information & Communication Technology: The Digital Environment 1.0 credit

Prerequisite: none

Recommendation: BTT101

This course prepares students for the digital environment. Using a hands-on approach, students will further develop information and communication technology skills through the use of common business software applications. The concept and operation of e-business will be explored, and students will design and create an e-business website. The skills developed in this course will prepare students for success in the workplace and/or postsecondary studies. *Most of the course expectations will be met through the use of Microsoft Word, Excel, Access, Power Point and Publisher.*

BAT4M1 (university/college) Financial Accounting Principles 1.0 credit

Prerequisite: BAF3M1

This course introduces students to advanced accounting principles that will prepare them for postsecondary studies in business. Students will learn about financial statements for various forms of business ownership and how those statements are interpreted in making business decisions. This course further develops accounting methods for assets and introduces accounting for partnerships, corporations, and sources of financing. *Some course expectations will be met through the use of spreadsheets, and/or Simply Accounting.*

BBB4M1 (university/college) International Business Fundamentals 1.0 credit

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.

BDV4C1 (college) Entrepreneurship: Venture Planning in an Electronic Age 1.0 credit

This course provides students with the opportunity to develop and apply entrepreneurial skills through the creation of a venture plan that capitalizes on the potential of e-commerce. Students will research and identify an opportunity for a venture. They will then complete the components of a venture plan that includes a website. *Students will follow the necessary steps for creating a new business of their choosing, including the use of software to create an appropriate website for that business.*

BOH4M1 (university/college) Business Leadership: Management Fundamentals 1.0 credit

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 will be emphasized throughout the course.

CIA4U1 (university) Analysing Current Economic Issues 1.0 credit

Prerequisite: any grade 11 university or university/college course in Canadian & World Studies, English, or Social Sciences

This course examines current national and global economic trends and policies from diverse perspectives. Students will explore the impact of choices that individuals and institutions, including governments, make in responding to local, national, and global economic issues such as globalization and global economic inequalities, trade agreements, national debt, taxation, social spending, and consumer debt. Students will apply the concepts of economic thinking and the economic inquiry process, including economic models, to investigate, and develop informed opinions about, current economic issues and to help them make reasoned economic decisions.

COMPUTER SCIENCE, ROBOTICS & WEB DESIGN

ICS201 (open) Introduction to Computer Studies 1.0 credit

This course introduces students to computer programming. Students will plan and write simple computer programs by applying fundamental programming concepts, and learn to create clear and maintainable internal documentation. They will also learn to manage a computer by studying hardware configurations, software selection, operating system functions, networking, and safe computing practices. Students will also investigate the social impact of computer technologies, and develop an understanding of environmental and ethical issues related to the use of computers. *Coding expectations will be met through both traditional computer programming as well as Android app programming.*

ICS3U1 (university) Introduction to Computer Science 1.0 credit

Prerequisite: none

Recommendation: ICS201

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.

TER3M1 (university/college) Computer Engineering Technology: Robotics & Control Systems 1.0 credit

Prerequisite: none

Recommendation: ICS201

This course examines computer systems and control of external devices. Students will assemble computers and small networks by installing and configuring appropriate hardware and software. Students will develop knowledge and skills in electronics, robotics, programming, and networks, and will build systems that use computer programs and interfaces to control and/or respond to external devices. Students will develop an awareness of environmental and societal issues related to the use of computers, and will learn about college and university programs leading to careers in computer engineering. *Course expectations will be met through a special focus on robotics, including the building and programming of self-driving robots.*

TGJ3M1 (university/college) Communications Technology [Website Design] 1.0 credit

This course examines communications technology from a media perspective. Students will develop knowledge and skills as they design and produce media projects in the areas of live, recorded, and graphic communications. These areas may include TV, video, and movie production; radio and audio production; print and graphic communications; photography; digital imaging; broadcast journalism; and interactive new media. Students will also develop an awareness of related environmental and societal issues, and will explore college and university programs and career opportunities in the various communications technology fields. *Course expectations will be met through a specialization in web design while creating webpages that follow basic web design standards which include textual, graphic and interactive elements.*

ICS4UE (university) Computer Science (e-learning) 1.0 credit

Prerequisite: ICS3U1

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 analyse 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.

TER4M1 (university/college) Computer Engineering Technology: Robotics & Control Systems 1.0 credit

Prerequisite: TER3M1

This course extends students' understanding of computer systems and computer interfacing with external devices. Students will assemble computer systems by installing and configuring appropriate hardware and software, and will learn more about fundamental concepts of electronics, robotics, programming, and networks. Students will examine environmental and societal issues related to the use of computers, and explore postsecondary pathways leading to careers in computer engineering and related fields. *Course expectations will be met through a special focus on robotics and computerized electronic systems.*

TGJ4M1 (university/college) Communications Technology [Web Design] 1.0 credit

Prerequisite: TGJ3M1

This course enables students to further develop media knowledge and skills while designing and producing projects in the areas of live, recorded, and graphic communications. Students may work in the areas of TV, video, and movie production; radio and audio production; print and graphic communications; photography; digital imaging; broadcast journalism; and interactive new media. Students will also expand their awareness of environmental and societal issues related to communications technology, and will investigate career opportunities and challenges in a rapidly changing technological environment. *Course expectations will be met through a specialization in web design while creating webpages that follow advanced web design standards and that include interactive elements using PHP scripting (including database access).*

TECHNOLOGICAL STUDIES

TIJ1O1 (open) Exploring Technologies 1.0 credit

This course enables students to further explore and develop technological knowledge and skills introduced in the elementary science and technology program. Students will be given the opportunity to design and create products and/or provide services related to the various technological areas or industries, working with a variety of tools, equipment, and software commonly used in industry. Students will develop an awareness of environmental and societal issues, and will begin to explore secondary and postsecondary education and training pathways leading to careers in technology-related fields.

TCJ2O1 (open) Construction Technology 1.0 credit

This course introduces students to building materials and processes through opportunities to design and build various construction projects. Students will learn to create and read working drawings; become familiar with common construction materials, components, and processes; and perform a variety of fabrication, assembly, and finishing operations. They will use a variety of hand and power tools and apply knowledge of imperial and metric systems of measurement, as appropriate. Students will develop an awareness of environmental and societal issues related to construction technology, and will explore secondary and postsecondary pathways leading to careers in the industry.

TDJ2O1 (open) Technological Design 1.0 credit

This course provides students with opportunities to apply a design process to meet a variety of technological challenges. Students will research projects, create designs, build models and/or prototypes, and assess products and/or processes using appropriate tools, techniques, and strategies. Student projects may include designs for homes, vehicles, bridges, robotic arms, clothing, or other products. Students will develop an awareness of environmental and societal issues related to technological design, and will learn about secondary and postsecondary education and training leading to careers in the field. *Course expectations will be met through the design of products and/or buildings using hand drawings and/or computer software.*

TCJ3C1 (college) Construction Engineering Technology 1.0 credit

Prerequisite: none

Recommendation: TCJ2O1

This course focuses on the development of knowledge and skills related to residential construction. Students will gain hands on experience using a variety of construction materials, processes, tools, and equipment; learn about building design and planning construction projects; create and interpret working drawings and sections; and learn how the Ontario Building Code and other regulations and standards apply to construction projects. Students will also develop an awareness of environmental and societal issues related to construction technology, and explore career opportunities in the field. *Most of the course expectations will be met through specialization in some of the trade sectors related to house design and constructions, such as framing, dry walling, electrical and plumbing.*

TDJ3M1 (university/college) Technological Design 1.0 credit

Prerequisite: none

Recommendation: TDJ2O1

This course examines how technological design is influenced by human, environmental, financial, and material requirements and resources. Students will research, design, build, and assess solutions that meet specific human needs, using working drawings and other communication methods to present their design ideas. They will develop an awareness of environmental, societal, and cultural issues related to technological design, and will explore career opportunities in the field, as well as the college and/or university program requirements for them. *Course expectations will be met through the design of products and/or buildings using hand drawings and/or computer software.*

TWJ3E1 (workplace) Custom Woodworking 1.0 credit

This course enables students to develop knowledge and skills related to cabinet making and furniture making. Students will gain practical experience using a variety of the materials, tools, equipment, and joinery techniques associated with custom woodworking. Students will learn to create and interpret technical drawings and will plan, design, and fabricate projects. They will also develop an awareness of environmental and societal issues related to the woodworking industry, and explore apprenticeships, postsecondary training, and career opportunities in the field that may be pursued directly after graduation. *Most of the course expectations will be met by learning project design and by building projects in the woodshop.*

TCJ4C1 (college) Construction Engineering Technology 1.0 credit

Prerequisite: TCJ3C1

This course enables students to further develop knowledge and skills related to residential construction and to explore light commercial construction. Students will gain hands on experience using a variety of materials, processes, tools, and equipment and will learn more about building design and project planning. They will continue to create and interpret construction drawings and will extend their knowledge of construction terminology and of relevant building codes and regulations, as well as health and safety standards and practices. Students will also focus on environmental and societal issues related to construction engineering technology, and explore career opportunities in the field. *Most of the course expectations will be met through specialization in some of the trade sectors related to house design and constructions, such as framing, dry walling, electrical and plumbing.*

TDJ4M1 (university/college) Technological Design 1.0 credit

Prerequisite: TDJ3M1

This course introduces students to the fundamentals of design advocacy and marketing, while building on their design skills and their knowledge of professional design practices. Students will apply a systematic design process to research, design, build, and assess solutions that meet specific human needs, using illustrations, presentation drawings, and other communication methods to present their designs. Students will enhance their problem-solving and communication skills, and will explore career opportunities and the postsecondary education and training requirements for them. *Course expectations will be met through the design of products and/or buildings using hand drawings and/or computer software.*

TWJ4E1 (workplace)

Custom Woodworking

1.0 credit

Prerequisite: TWJ3E1

This course enables students to further develop knowledge and skills related to the planning, design, and construction of cabinets and furniture for residential and/or commercial projects. Students will gain further experience in the safe use of common woodworking materials, tools, equipment, finishes, and hardware, and will learn about the entrepreneurial skills needed to establish and operate a custom woodworking business. Students will also expand their awareness of health and safety issues and environmental and societal issues related to woodworking, and will explore career opportunities that may be pursued directly after graduation. *Most of the course expectations will be met by learning project design and by building projects in the woodshop.*

Canadian and World Studies

GEOGRAPHY

CGC1D1 (academic) Issues in Canadian Geography 1.0 credit

This course examines interrelationships within and between Canada's natural and human systems and how these systems interconnect with those in other parts of the world. Students will explore environmental, economic, and social geographic issues relating to topics such as transportation options, energy choices, and urban development. Students will apply the concepts of geographic thinking and the geographic inquiry process, including spatial technologies, to investigate various geographic issues and to develop possible approaches for making Canada a more sustainable place to live.

CGC1P1 (applied) Issues in Canadian Geography 1.0 credit

This course focuses on current geographic issues that affect Canadians. Students will draw on their personal and everyday experiences as they explore a range of issues, including food and water supplies, competing land uses, and interactions with the natural environment, developing their awareness that issues that affect their lives are interconnected with issues in other parts of the world. Students will apply the concepts of geographic thinking and the geographic inquiry process, including spatial technologies, to investigate choices related to sustainable living in Canada

CGF3M1 (university/college) Forces of Nature: Physical Processes and Disasters 1.0 credit

Prerequisite: CGC1D1 or CGC1P1

This course examines Earth's physical patterns and processes and how they create natural disasters and can contribute to human disasters. Students will explore how physical processes related to Earth's water, land, and air, as well as interactions between these systems, can affect the planet and its people. Students will apply the concepts of geographic thinking and the geographic inquiry process, including spatial technologies, to investigate Earth's natural processes, to make predictions related to natural disasters, and to create plans to prepare for and/or respond to them.

CGG3O1 (open) Travel and Tourism: A Geographic Perspective 1.0 credit

Prerequisite: CGC1D1 or CGC1P1

This course focuses on issues related to travel and tourism within and between various regions of the world. Students will investigate unique environmental, sociocultural, economic, and political characteristics of selected world regions. They will explore travel patterns and trends as well as tensions related to tourism, and will predict future tourism destinations. Students will apply the concepts of geographic thinking and the geographic inquiry process, including spatial technologies, to investigate the impact of the travel industry on natural environments and human communities

CGR4M1 (university/ college) The Environment and Resource Management [Environmental Studies] 1.0 credit

Prerequisite: any grade 11 university or university/college course in Canadian & World Studies, English, or Social Sciences

This course explores interactions between the natural and human environment, with a particular focus on the impact of human activity on various ecosystems. Students will explore resource management and sustainability practices, as well as related government policy and international protocols. Applying the concepts of geographic thinking and the geographic inquiry process, including spatial technologies, students will investigate the relationship between people and the natural environment and will propose approaches for developing more sustainable relationships, including environmentally responsible actions that support stewardship. *An interest in environmental science is recommended.*

CGW4C1 (college) World Issues: A Geographic Analysis 1.0 credit

Prerequisite: CGC1D1 or CGC1P1

This course explores the global challenge of meeting the basic needs of all people while sustaining the natural environment. Students will examine global inequities, including those related to food, water, energy, and development, and will explore global issues through environmental, social, economic, and political lenses. Students will apply the concepts of geographic thinking and the geographic inquiry process, including spatial technologies, to investigate a range of current geographic issues facing Canada and the world.

CGW4U1 (university) World Issues: A Geographic Analysis 1.0 credit

Prerequisite: any grade 11 university or university/college course in Canadian & World Studies, English, or Social Sciences

This course looks at the global challenge of creating a more sustainable and equitable world. Students will explore a range of issues involving environmental, economic, social, and geopolitical interrelationships, and will examine governmental policies related to these issues. Students will apply the concepts of geographic thinking and the geographic inquiry process, including spatial technologies, to investigate these complex issues, including their impact on natural and human communities around the world.

HISTORY

CHC2D1 (academic) Canadian History since World War I 1.0 credit

This course explores social, economic, and political developments and events and their impact on the lives of different groups in Canada since 1914. Students will examine the role of conflict and cooperation in Canadian society, Canada's evolving role within the global community, and the impact of various individuals, organizations, and events on Canadian identity, citizenship, and heritage. They will develop their ability to apply the concepts of historical thinking and the historical inquiry process, including the interpretation and analysis of evidence, when investigating key issues and events in Canadian history since 1914.

CHC2L1 (locally developed) History in the Twentieth Century 1.0 credit

This course focuses on the connections between the student and key people, events and themes in Canadian contemporary studies. Students prepare for grade 11 Canadian and World Studies Workplace Preparation courses through the development and extension of historical literacy skills and critical thinking skills. Students explore a variety of topics highlighting individuals and events that have contributed to the story of Canada. The major themes of Canadian identity, internal and external relationships and changes since 1914, are explored through guided investigation. Students have the opportunity to extend analytical skills with a focus on identifying and interpreting events and perspectives and making connections. Students practice reading, writing, visual, and oral literacy skills to identify and communicate ideas in a variety of media.

CHC2P1 (applied) Canadian History since World War I 1.0 credit

This course focuses on the social context of historical developments and events and how they have affected the lives of people in Canada since 1914. Students will explore interactions between various communities in Canada as well as contributions of individuals and groups to Canadian heritage and identity. Students will develop their ability to apply the concepts of historical thinking and the historical inquiry process, including the interpretation and analysis of evidence, when investigating the continuing relevance of historical developments and how they have helped shape communities in present-day Canada.

CHV2O1 (open) Civics and Citizenship 0.5 credit

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.

CHA3U1 (university) American History 1.0 credit

Prerequisite: CHC2D1 or CHC2P1

This course traces the social, economic, and political development of the United States from colonial times to the present. Students will explore the historical context of key developments that shaped the United States, its identity and culture, and its role in the global community. They will extend their ability to apply the concepts of historical thinking and the historical inquiry process, including the interpretation and analysis of evidence, when investigating forces in American history.

CHW3M1 (university/college) World History to the End of the Fifteenth Century [Ancient Civilizations] 1.0 credit

Prerequisite: CHC2D1 or CHC2P1

This course explores the history of various societies around the world, from earliest times to around 1500 CE. Students will examine life in and the legacy of various ancient and pre-modern societies throughout the world, including those in, Africa, Asia, Europe, and the Americas. Students will extend their ability to apply the concepts of historical thinking and the historical inquiry process, including the interpretation and analysis of

evidence, when investigating social, political, and economic structures and historical forces at work in various societies and in different historical eras.

CHI4UE (university/college) Canada: History, Identity and Culture (e-learning) 1.0 credit

Prerequisite: any grade 11 university, university/college or college course in Canadian & World Studies, English, or Social Sciences

This course explores the challenges associated with the formation of a Canadian national identity. Students will examine the social, political, and economic forces that have shaped Canada from the pre-contact period to the present and will investigate the historical roots of contemporary issues from a variety of perspectives. Students will use critical-thinking and communication skills to consider events and ideas in historical context, debate issues of culture and identity, and present their own views.

CHY4C1 (college) World History since the Fifteenth Century 1.0 credit

Prerequisite: any grade 11 university, university/college or college course in Canadian & World Studies, English, or Social Sciences

This course explores key developments and events in world history since approximately 1450, with a focus on interactions within and between various regions. Students will examine social, economic, and political developments and how they have affected different peoples. Students will extend their ability to apply the concepts of historical thinking and the historical inquiry process, including the interpretation and analysis of evidence, when investigating key turning points in world history and historical forces that have shaped our world.

CHY4U1 (university) World History since the Fifteenth Century [European History] 1.0 credit

Prerequisite: any grade 11 university or university/college course in Canadian & World Studies, English, or Social Sciences

CHY4U2 (university) World History since the Fifteenth Century (advanced placement) [European History] 1.0 credit

Prerequisite: any grade 11 university or university/college course in Canadian & World Studies, English, or Social Sciences

Recommendation: CHW3M1

This course traces major developments and events in world history since approximately 1450. Students will explore social, economic, and political changes, the historical roots of contemporary issues, and the role of conflict and cooperation in global interrelationships. They will extend their ability to apply the concepts of historical thinking and the historical inquiry process, including the interpretation and analysis of evidence, as they investigate key issues and assess societal progress or decline in world history. *The advanced placement option qualifies this course as a university credit; the results of the AP exam may, at the student's initiative, be used by the attending university to grant placement or a credit.*

NATIVE STUDIES

NDA3M1 (university/college) Current Aboriginal Issues in Canada 1.0 credit

Prerequisite: CHC2D1 or CHC2P1

This course focuses on existing and emerging issues of importance to Aboriginal peoples in Canada. Students will investigate issues related to identity, relationships among Aboriginal peoples and between Aboriginal peoples and other Canadians, sovereignty principles as presented by Aboriginal peoples, and the contemporary challenges posed by these issues. Students will also examine such topics as language preservation, the responsibilities of Aboriginal women and men, and the need for dialogue between Aboriginal and non-Aboriginal peoples. *By taking this course, students will gain an understanding of the challenges that lie on Canada's path to reconciliation with our Indigenous peoples.*

NDG4M1 (university/college) Aboriginal Governance: Emerging Directions 1.0 credit

Prerequisite: any grade 11 Native Studies course or any grade 11 university or university/college course in Canadian & World Studies or Social Sciences

This course explores various aspects of First Nations, Métis and Inuit leadership, nationhood, and governance. Students will examine how First Nations, Métis, and Inuit peoples relate to and negotiate with the government of Canada and other organizations including how traditional beliefs, values and cultures inform models of governance. Students will reflect on their own ideas of civic, economic and cultural leadership as they learn about how individual and community Aboriginal leaders are revitalizing and strengthening their communities.

LAW & ECONOMICS

CLU3E1 (workplace) Understanding Canadian Law in Everyday Life 1.0 credit

Prerequisite: CHC2D1 or CHC2P1 or CHC2L1

This course enables students to develop a practical understanding of laws that affect the everyday lives of people in Canada, including their own lives. Students will gain an understanding of the need for laws, and of their rights, freedoms, and responsibilities under Canadian law. Topics include laws relating to marriage, the workplace, cyber-bullying, and the processing of criminal offences. Students will apply the concepts of legal thinking and the legal inquiry process, and will begin to develop legal reasoning skills and an understanding of Canadian law.

CLU3M1 (university/college) Understanding Canadian Law 1.0 credit

Prerequisite: CHC2D1 or CHC2P1

This course explores Canadian law, with a focus on legal issues that are relevant to the lives of people in Canada. Students will gain an understanding of rights and freedoms in Canada, our legal system, and family, contract, employment, tort, and criminal law. Students will use case studies and apply the concepts of legal thinking and the legal inquiry process to develop legal reasoning skills and to formulate and communicate informed interpretations of legal issues, and they will develop the ability to advocate for new laws.

CIA4U1 (university) Analysing Current Economic Issues 1.0 credit

Prerequisite: any grade 11 university or university/college course in Canadian & World Studies, English, or Social Sciences

This course examines current national and global economic trends and policies from diverse perspectives. Students will explore the impact of choices that individuals and institutions, including governments, make in responding to local, national, and global economic issues such as globalization and global economic inequalities, trade agreements, national debt, taxation, social spending, and consumer debt. Students will apply the concepts of economic thinking and the economic inquiry process, including economic models, to investigate, and develop informed opinions about, current economic issues and to help them make reasoned economic decisions.

CLN4C1 (college) Legal Studies 1.0 credit

Prerequisite: CHV2O1

This course provides a foundation for students who wish to pursue a career that requires an understanding of law. Students will explore the importance of law, analysing contemporary legal issues and their impact. They will investigate requirements for various law-related careers as well as legal responsibilities in the workplace. Students will apply the concepts of legal thinking and the legal inquiry process to investigate the role of law in a changing society and will develop conflict-resolution skills needed for negotiation.

CLN4U1 (university) Canadian and International Law 1.0 credit

Prerequisite: any grade 11 university or university/college course in Canadian & World Studies, English, or Social Sciences *Recommendation:* CLU3M1

This course explores a range of contemporary legal issues and how they are addressed in both Canadian and international law. Students will develop their understanding of the principles of Canadian and international law when exploring rights and freedoms within the context of topics such as religion, security, cyberspace, immigration, crimes against humanity, and environmental protection. Students will apply the concepts of legal thinking and the legal inquiry process when investigating these issues in both Canadian and international contexts, and they will develop legal reasoning skills and an understanding of conflict resolution in the area of international law.

SOCIAL SCIENCE

HFN2O1 (open) Food and Nutrition 1.0 credit

This course focuses on guidelines for making nutritious food choices. Students will investigate factors that influence food choices, including beliefs, attitudes, current trends, traditional eating patterns, food marketing strategies, and individual needs. Students will also explore the environmental impact of a variety of food choices at the local and global level. The course provides students with opportunities to develop food preparation skills and introduces them to the use of social science research methods in the area of food and nutrition. *Students in this course may come into contact with food/food preparation tools that could cause allergic reactions; students who enroll in this course do so at their own risk.*

HLS301 (open) Housing and Home Design 1.0 credit

This course introduces students to a range of issues related to housing and home design. Student will learn about the needs that housing fulfills; housing options; home maintenance and safety; and environmental, economic, legal and social considerations and decorating decisions. Student will develop research skills as they investigate issues related to housing and home design.

HPC301 (open) Raising Healthy Children (co-ed) 1.0 credit

HPC302 (open) Raising Healthy Children (male) 1.0 credit

This course focuses on the skills and knowledge parents, guardians, and caregivers need, with particular emphasis on maternal health, pregnancy, birth, and the early years of human development (birth to six years old). Through study and practical experience, students will learn how to meet the developmental needs of young children, communicate with them, and effectively guide their early behaviour. Students will develop their research skills through investigations related to caregiving and child rearing. *The HPC302 course is taught from the male perspective for male students.*

HSP3C1 (college) Introduction to Anthropology, Psychology, and Sociology 1.0 credit

This course introduces students to theories, questions, and issues related to anthropology, psychology, and sociology. Students learn about approaches and research methods used by social scientists. They will be given opportunities to apply theories from a variety of perspectives, to conduct social science research, and to become familiar with current issues within the three disciplines.

HSP3U1 (university) Introduction to Anthropology, Psychology, and Sociology 1.0 credit

Prerequisite: CHC2D1 or ENG2D1

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, and to become familiar with current thinking on a range of issues within the three disciplines.

HFA4C1 (college) Nutrition and Health 1.0 credit

Prerequisite: any grade 11 university, university/college or college course in Canadian & World Studies, English, or Social Sciences

This course focuses on the relationship between nutrition and health at different stages of life and on global issues related to food production. Students will investigate the role of nutrition in health and disease and assess strategies for promoting food security and environmental responsibility. Students will learn about healthy eating, expand their repertoire of food-preparation techniques, and refine their ability to use social science research and inquiry methods to investigate topics related to nutrition and health. *Students in this course may come into contact with food/food preparation tools that could cause allergic reactions; students who enroll in this course do so at their own risk.*

HFA4U1 (university) Nutrition and Health 1.0 credit

Prerequisite: any grade 11 university or university/college course in Canadian & World Studies, English, or Social Sciences

Recommendation: HFN2O1

This course examines the relationships between food, energy balance, and nutritional status; the nutritional needs of individuals at different stages of life; and the role of nutrition in health and disease. Students will evaluate nutrition-related trends and will determine how food choices can promote food security and environmental responsibility. Students will learn about healthy eating, expand their repertoire of food-preparation techniques, and develop their social science research skills by investigating issues related to nutrition and health. *Students in this course may come into contact with food/food preparation tools that could cause allergic reactions; students who enroll in this course do so at their own risk.*

HHS4C1 (college) Families in Canada 1.0 credit

Prerequisite: any grade 11 university, university/college or college course in Canadian & World Studies, English, or Social Sciences

This course enables students to develop an understanding of social science theories as they apply to individual development, the development of intimate relationships, and family and parent-child relationships. Students will explore a range of issues relating to the development of individuals and families in contemporary Canadian society as well as in other cultures and historical periods. They will develop the investigative skills required to conduct research on individuals, intimate relationships, and parent-child roles and relationships in Canada.

HPD4C1 (college) Working with School Aged Children and Adolescents 1.0 credit

Prerequisite: any grade 11 university, university/college or college course in Canadian & World Studies, English, or Social Sciences

This course prepares students for occupations involving school-age children and adolescents. Students will study a variety of theories about child behaviour and development, and will have opportunities for research and observation and for practical experiences with older children. Students will become familiar with occupational opportunities and requirements related to working with older children and adolescents. They will develop research skills used in investigating child and adolescent behaviour and development.

HSB4U1 (university) Challenge and Change in Society 1.0 credit

Prerequisite: any grade 11 university or university/college course in Canadian & World Studies, English, or Social Sciences

This course focuses on the use of social science theories, perspectives, and methodologies to investigate and explain shifts in knowledge, attitudes, beliefs, and behaviour and their impact on society. Students will critically analyse how and why cultural, social, and behavioural patterns change over time. They will explore the ideas of social theorists and use those ideas to analyse causes of and responses to challenges such as technological change, deviance, and global inequalities. Students will explore ways in which social science research methods can be used to study social change.

HSE4M1 (university/college) Equity and Social Justice 1.0 credit

Prerequisite: any grade 11 university or university/college course in Canadian & World Studies, English, or Social Sciences

This course enables students to develop an understanding of the theoretical, social, and historical underpinnings of various equity and social justice issues and to analyse strategies for bringing about positive social change. Students will learn about historical and contemporary equity and social justice issues in Canada and globally. They will explore power relations and the impact of a variety of factors on equity and social justice. Students will develop and apply research skills and will design and implement a social action initiative relating to an equity or social justice issue. *Key social issues discussed in this course include racial inequality, Indigenous rights, gender inequality, and LGBTQ+ rights.*

HZT4U1 (university) Philosophy: Questions and Theories 1.0 credit

Prerequisite: any grade 11 university or university/college course in Canadian & World Studies, English, or Social Sciences

This course enables students to acquire an understanding of the nature of philosophy and philosophical reasoning skills and to develop and apply their knowledge and skills while exploring specialized branches of philosophy (the course will cover at least three of the following branches: metaphysics, ethics, epistemology, philosophy of science, social and political philosophy, and aesthetics). Students will develop critical thinking and philosophical reasoning skills as they formulate and evaluate arguments related to a variety of philosophical questions and theories. They will also develop research and inquiry skills related to the study and practice of philosophy.

Guidance and Co-Operative Education

GUIDANCE

GLE101 (open) Learning Strategies 1: Skills for Success in Secondary School 1.0 credit

Prerequisite: Recommendation of Principal

This course focuses on learning strategies to help students become better, more independent learners. Students will learn how to develop and apply literacy and numeracy skills, personal management skills, and interpersonal and teamwork skills to improve their learning and achievement in school, the workplace, and the community. The course helps students build confidence and motivation to pursue opportunities for success in secondary school and beyond. *Students are considered for this course based on the recommendation of the school principal and a referral from the Program Support Department.*

GLS10R (open) Learning Strategies 1 [Credit Recovery] 1.0 credit

This course focuses on learning strategies to help students become better, more independent learners. Students will learn how to develop and apply literacy and numeracy skills, personal management skills, and interpersonal and teamwork skills to improve their learning and achievement in school, the workplace, and the community. The course helps students build confidence and motivation to pursue opportunities for success in secondary school and beyond. *This course is for students who have been unsuccessful in obtaining previous credits; students are placed in this course based on the approval of the student success team.*

GLC201 (open) Career Studies 0.5 credit

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.

GLD20R (open) Discovering the Workplace [Credit Recovery] 1.0 credit

This course provides students with opportunities to discover and develop the workplace essential skills and work habits required to be successfully employed, and helps students make plans for continued learning and work. Students will develop an understanding of work through practical hands-on experiences in the school and in the community, using real workplace materials. Students will investigate occupations of interest through experiential learning opportunities, such as worksite visits, job shadowing, work experience, simulations, and entrepreneurial projects. *This course is for students who have been unsuccessful in obtaining previous credits; students are placed in this course based on the approval of the student success team.*

GWL301 & GWL309 (open) Designing Your Future 2.0 credits

This course prepares students to make successful transitions to postsecondary destinations as they investigate specific postsecondary options based on their skills, interests, and personal characteristics. Students will explore the realities and opportunities of the workplace and examine factors that affect success, while refining their job-search and employability skills. Students will develop their portfolios with a focus on their targeted destination and develop an action plan for future success. *Students enrolling in this course must take both credits as it provides a pre-co-op experience and is intended for those who plan on entering the workforce after high school; an application is required for admission to this course.*

GLN401 (open) Navigating the Workplace 1.0 credit

This course provides students with opportunities to develop the workplace essential skills and work habits required for success in all types of workplaces. Students will explore occupations and careers of interest through participation in real workplace experiences. They will make plans for continued learning and work, work with others to design learning experiences, and investigate the resources and support required to make a smooth transition to their postsecondary destination. *This course is intended for students who plan on entering the workforce after high school.*

GLS40D (open) Advanced Learning Strategies: Skills for Success After High School [Credit Recovery] (dual credit) 1.0 credit

GLS40R (open) Advanced Learning Strategies: 1.0 credit

Skills for Success After High School [Credit Recovery]

This course improves students' learning and personal-management skills, preparing them to make successful transitions to work, training, and/or postsecondary education destinations. Students will assess their learning abilities and use literacy, numeracy, and research skills and personal-management techniques to maximize their learning. Students will investigate trends and resources to support their postsecondary employment, training, and/or education choices and develop a plan to help them meet their learning and career goals. *This course is for students who have been unsuccessful in obtaining previous credits; students are placed in this course based on the approval of the student success team.*

IDC4U2 (university)

Interdisciplinary Studies [Peer Tutoring]

1.0 credit

This course will help students develop and consolidate the skills required for and knowledge of different subjects and disciplines to solve problems, make decisions, create personal meaning, and present findings beyond the scope of a single subject or discipline. Students will apply the principles and processes of inquiry and research to effectively use a range of print, electronic, and mass media resources; to analyse historical innovations and exemplary research; and to investigate real-life situations and career opportunities in interdisciplinary endeavours. They will also assess their own cognitive and affective strategies, apply general skills in both familiar and new contexts, create innovative products, and communicate new knowledge. *Curriculum outcomes will be met through a Peer Tutoring Program within Notre Dame in either Math, Science or English.*

CO-OPERATIVE EDUCATION

COP209 (open)

Cooperative Education

2.0 credits

COP409 (open)

Cooperative Education

4.0 credits

Co-operative Education is a program in which students bound for university, college, apprenticeships, or the workplace can earn credits toward their diploma. It is a program which provides students with an opportunity to apply the concepts of specific school subjects to a community work placement. Evaluation in this program is based on personal management skills, class and workplace participation, career and worksite research, daily log sheets, weekly journals, as well as teacher and work site supervisor observation of performance. *Students are required to submit an application to be eligible for this course.*

Key Objectives:

- review and apply the knowledge and skills from the Grade 10 Career Studies course
- meet the school and placement expectations of the program
- understand issues relating to confidentiality and the right to privacy
- review work ethics and the responsible use of information technology
- understand workplace rights related to safety, discrimination, and harassment
- become aware of The Employment Standards Act and the Human Rights Act
- understand the history and role of labour unions
- review methods of dealing with and reporting concerns or problems at the placement
- participate in a structured interview at a work placement
- participate in integration sessions that involve reflection on and analysis of placement experiences and various
- topics related to the present and future workplace
- review and apply instruction on health and safety in the workplace

To be eligible for the Co-operative Education program, a student entering grade 11 should:

- ✓ have successfully completed GLC201 (Career Studies)
- ✓ have earned sixteen credits
- ✓ written parent/guardian consent
- ✓ complete and submit an application form in addition to the school option sheet
- ✓ complete an interview for selection to the program
- ✓ make a serious commitment to fulfil obligations to Notre Dame and to the Co-operative employer

Consideration is also based on excellent attendance, responsible behaviour, academic performance and work and study skills.

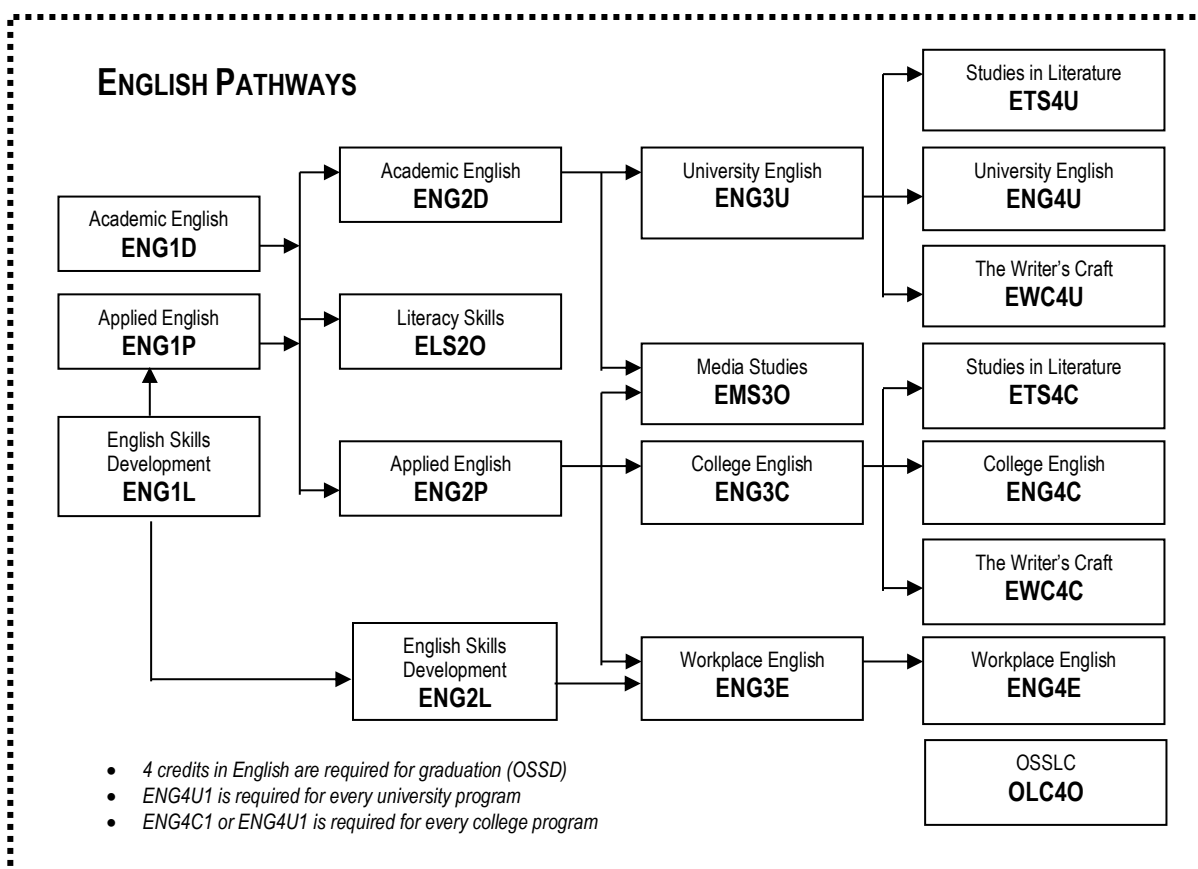
Entry is restricted by the availability of co-operative employers and the suitability of the applicant for the position.

\$\$ Additional Costs \$\$

- Students must provide their own transportation.
- Students must provide their own safety equipment for all jobs that require it.
- Students must cover the costs of necessary vaccinations or medical tests that may be required.

English and Modern Languages

ENGLISH



ENG1D1 (academic) English 1.0 credit

This course is designed to develop the 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 analyse literary texts from contemporary and historical periods, interpret informational and graphic texts, and create oral, written, and media texts in a variety of forms. An important focus will be on the use of strategies that contribute to effective communication. The course is intended to prepare students for the Grade 10 academic English course, which leads to university or college preparation courses in Grades 11 and 12. Students in this course intend to study English at the university level in grade 11.

ENG1P1 (applied) English 1.0 credit

This course is designed to develop the key oral communication, reading, writing, and media literacy skills students need for success in secondary school and daily life. Students will read, interpret, and create a variety of informational, literary, and graphic texts. An important focus will be on identifying and using appropriate strategies and processes to improve students' comprehension of texts and to help them communicate clearly and effectively. The course is intended to prepare students for the Grade 10 applied English course, which leads to college or workplace preparation courses in Grades 11 and 12. Students in this course intend to study English at the college level in grade 11.

ENG1L1 (locally developed) English 1.0 credit

This course provides foundational literacy and communication skills to prepare students for success in their daily lives, in the workplace, and in the English Grade 11 Workplace Preparation course. The course is organized by strands that develop listening and talking skills, reading and viewing skills, and writing skills. In all strands, the focus is on developing foundational literacy skills and in using language clearly and accurately in a variety of authentic contexts. Students develop strategies and put into practice the processes involved in talking, listening, reading, viewing, writing, and thinking, and reflect regularly upon their growth in these areas.

ELS201 (open) Literacy Skills 1.0 credit

Prerequisite: ENG1D1 or ENG1P1 or ENG1L1

This course is designed to help students strengthen essential reading and writing skills, providing them with the extra literacy support they need in order to graduate. Students will read informational, graphic, and literary texts, with a focus on locating information, identifying main ideas and supporting details, building vocabulary, and consolidating skills in the application of key comprehension strategies. The course will also help students develop core learning strategies.

ENG2D1 (academic) English 1.0 credit

Prerequisite: ENG1D1 or ENG1P1

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 analyse 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.

ENG2P1 (applied) English 1.0 credit

Prerequisite: ENG1D1 or ENG1P1

This course is designed to extend the range of oral communication, reading, writing, and media literacy skills that students need for success in secondary school and daily life. Students will study and create a variety of informational, literary, and graphic texts. An important focus will be on the consolidation of strategies and processes that help students interpret texts and communicate clearly and effectively. This course is intended to prepare students for the compulsory Grade 11 college or workplace preparation course.

ENG2L1 (locally developed) English 1.0 credit

Prerequisite: ENG1L1

In this course students focus on extending their literacy and communication skills to prepare for success in their daily lives, in the workplace and in the ENG3E1 workplace course. The course is organized by strands that extend listening skills, reading and viewing skills, and writing skills. In all strands, the focus is on refining foundational literacy skills and in using language clearly and accurately in a variety of authentic contexts. Students build on their strategies and engage in the processes involved in talking, listening, reading, viewing, writing and thinking, and reflect regularly upon their growth in these areas.

EMS301 (open) Media Studies 1.0 credit

Prerequisite: ENG2D1 or ENG2P1

This course emphasizes knowledge and skills that will enable students to understand media communication in the twenty-first century and to use media effectively and responsibly. Through analysing the forms and messages of a variety of media works and audience responses to them, and through creating their own media works, students will develop critical thinking skills, aesthetic and ethical judgment, and skills in viewing, representing, listening, speaking, reading, and writing. *Students will analyze and communicate current events using traditional, social and digital media.*

ENG3C1 (college) English 1.0 credit

Prerequisite: ENG1P1

This course emphasizes the development of literacy, communication, and critical and creative thinking skills necessary for success in academic and daily life. Students will study the content, form, and style of a variety of informational and graphic texts, as well as literary texts from Canada and other countries, and create oral, written, and media texts in a variety of forms for practical and academic purposes. An important focus will be on using language with precision and clarity. The course is intended to prepare students for the compulsory Grade 12 college preparation course.

ENG3E1 (workplace) English 1.0 credit

Prerequisite: ENG2P1 or ENG2L1

This course emphasizes the development of literacy, communication, and critical and creative thinking skills necessary for success in the workplace and in daily life. Students will study the content, form, and style of a variety of contemporary informational, graphic, and literary texts; and create oral, written, and media texts in a variety of forms for practical purposes. An important focus will be on using language clearly and accurately in a variety of formal and informal contexts. The course is intended to prepare students for the compulsory Grade 12 workplace preparation.

ENG3U1 (university) English 1.0 credit

Prerequisite: ENG2D1

This course emphasizes the development of literacy, communication, and critical and creative thinking skills necessary for success in academic and daily life. Students will analyse challenging literary texts from various periods, countries, and cultures as well as a range of informational and graphic texts, and create oral, written, and media texts in a variety of forms. An important focus will be on using language with precision and clarity and incorporating stylistic devices appropriately and effectively. The course is intended to prepare students for the compulsory Grade 12 university or college preparation course.

ENG4C1 (college) English 1.0 credit

Prerequisite: ENG3U1 or ENG3C1

This course emphasizes the consolidation of literacy, communication, and critical and creative thinking skills necessary for success in academic and daily life. Students will analyse a variety of informational and graphic texts, as well as literary texts from various countries and cultures, and create oral, written, and media texts in a variety of forms for practical and academic purposes. An important focus will be on using language with precision and clarity and developing greater control in writing. The course is intended to prepare students for college or the workplace. *Students in this course are expected to continue studies after high school at the college level.*

ENG4E1 (workplace) English 1.0 credit

Prerequisite: ENG3E1

This course emphasizes the consolidation of literacy, communication, and critical and creative thinking skills necessary for success in the workplace and in daily life. Students will analyse informational, graphic, and literary texts and create oral, written, and media texts in a variety of forms for workplace-related and practical purposes. An important focus will be on using language accurately and organizing ideas and information coherently. The course is intended to prepare students for the workplace and active citizenship.

ENG4U1 (university) English 1.0 credit

Prerequisite: ENG3U1

ENG4U2 (university) English (advanced placement) 1.0 credit

Prerequisite: ENG3U1

Recommendation: above 80% in ENG3U1

ENG4US (university) English (math & science focus) 1.0 credit

Prerequisite: ENG3U1

Recommendation: for students entering science and technological post-secondary programs

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 analyse 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. *The advanced placement exam may, at the student's initiative, be used by the attending university to grant placement or a credit; the focus of the math & science option is summary writing, analytical essays, and research reports.*

ETS4C1 (college) Studies in Literature 1.0 credit

Prerequisite: ENG3C1

This course is for students with a special interest in literature. The course may focus on themes, genres, time periods, or countries. Students will study a variety of forms and stylistic elements of literary texts and respond personally, critically, and creatively to them. They will also investigate critical interpretations and complete an independent study project. *Students will be asked to examine their own voice and identity through a study of various indigenous and diasporic cultures seeking to establish equity throughout a changing Canada.*

ETS4U1 (university) Studies in Literature 1.0 credit

Prerequisite: ENG3U1

This course is for students with a special interest in literature and literary criticism. The course may focus on themes, genres, time periods, or countries. Students will analyse a range of forms and stylistic elements of literary texts and respond personally, critically, and creatively to them. They will also assess critical interpretations, write analytical essays, and complete an independent study project. *Students will be asked to examine and report on voice and identify through a study of various indigenous and diasporic cultures seeking to establish equity throughout a changing Canada.*

EWC4U1 (university)	The Writer's Craft	1.0 credit
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Prerequisite: ENG3U1

This course emphasizes knowledge and skills related to the craft of writing. Students will analyse models of effective writing; use a workshop approach to produce a range of works; identify and use techniques required for specialized forms of writing; and identify effective ways to improve the quality of their writing. They will also complete a major paper as part of a creative or analytical independent study project and investigate opportunities for publication and for writing careers. *Students in this course will apply their writing skills to the creation of memoirs, plays, short stories, and a journalism portfolio.*

OLC4O1 (open)	Ontario Secondary School Literacy Course	1.0 credit
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Prerequisite: students previously eligible to write the OSSLT at least twice and have been unsuccessful in at least one attempt or under special circumstances, at the discretion of the principal

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. *Students admitted to this course on the recommendation of the Guidance counsellor, principal, or literacy teacher and the credit earned for successful completion may be used to meet either the grade 12 English compulsory credit requirement or the additional compulsory credit requirement; this course does not meet the mandatory English requirement for university (ENG4U1) nor college (ENG4C1) admission.*

MODERN LANGUAGES

FSF1D1 (academic)	Core French	1.0 credit
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This course provides opportunities for students to communicate and interact in French with increasing independence, with a focus on familiar topics related to their daily lives. Students will continue to develop language knowledge and skills by using language-learning strategies introduced in the elementary Core French program, and will apply creative and critical thinking skills in various ways. They will also enhance their understanding and appreciation of diverse French-speaking communities, and will develop the skills necessary to become life-long language learners.

FSF1O1 (open)	Core French	1.0 credit
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This is an introductory course for students who have little or no knowledge of French or who have not accumulated the minimum of 600 hours of elementary Core French instruction. Students will begin to understand and speak French in guided and structured interactive settings, and will develop fundamental communication skills through discussing situations and issues that are relevant to their daily lives. Throughout the course, students will develop their awareness of diverse French-speaking communities in Canada and acquire an understanding and appreciation of these communities. They will also develop a variety of skills necessary to become life-long language learners.

FSF1P1 (applied)	Core French	1.0 credit
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This course provides opportunities for students to communicate and interact in French in structured situations on everyday topics and to apply their knowledge of French in everyday situations. Students will continue to develop language knowledge and skills introduced in the elementary Core French program, through practical applications and concrete examples, and will use creative and critical thinking skills in various ways. They will also enhance their understanding and appreciation of diverse French-speaking communities, and will develop the skills necessary to become life-long language learners.

FSF2D1 (academic)	French	1.0 credit
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Prerequisite: FSF1D1 or FSF1P1

This course provides opportunities for students to communicate in French about personally relevant, familiar, and academic topics in real-life situations with increasing independence. Students will exchange information, ideas, and opinions with others in guided and increasingly spontaneous spoken interactions. Students will continue to develop their language knowledge and skills through the selective use of strategies that contribute to effective communication. They will also increase their understanding and appreciation of diverse French-speaking communities, and will continue to develop the skills necessary to become life-long language learners.

FSF2O1 (open) French 1.0 credit

Prerequisite: FSF1O1

This course provides opportunities for students to speak French in guided and structured interactive settings. Students will communicate about matters of personal interest and familiar topics through listening, speaking, reading, and writing in real-life situations, using print, oral, visual, and electronic texts. Students will continue to develop a general understanding and appreciation of diverse French-speaking communities, as well as the skills necessary to become life-long language learners.

FSF2P1 (applied) French 1.0 credit

Prerequisite: FSF1D1 or FSF1P1

This course provides opportunities for students to communicate in French about everyday matters and topics of personal interest in real-life situations. Students will exchange information, ideas, and opinions with others in structured, guided, and increasingly spontaneous spoken interactions. Students will continue to develop their language knowledge and skills through the consolidation of language-learning strategies for interpreting texts and communicating clearly. They will also increase their understanding and appreciation of diverse French-speaking communities, and will continue to develop the skills necessary to become life-long language learners.

LWSBD1 (grade 10 academic) Spanish 1.0 credit

This course is designed to enable students to begin to communicate with native speakers of the language of study. Students will use simple language and read age and language-appropriate passages for various purposes. They will explore aspects of the culture of countries where the language under study is spoken, including social customs and the arts, by participating in cultural events and activities involving both print and technological resources. *This course is for students who are in grade ten.*

FSF3U1 (university) French 1.0 credit

Prerequisite: FSF2D1

This course offers students extended opportunities to speak and interact in real-life situations in French with greater independence. Students will develop their creative and critical thinking skills through responding to and exploring a variety of oral and written texts. They will continue to broaden their understanding and appreciation of diverse French-speaking communities and to develop the skills necessary for life-long language learning.

LWSCU1 (grade 11 university) Spanish 1.0 credit

Prerequisite: LWSAD1

This course offers students opportunities to further develop their knowledge of the international language and to enhance their communication skills. Students will use increasingly sophisticated language in a variety of activities that will enable them to speak and write with clarity and accuracy. Students will also enhance their thinking skills through the critical study of literature, and continue to explore aspects of the culture of countries where the language is spoken through a variety of print and technological resources.

FSF4U1 (university) French 1.0 credit

Prerequisite: FSF3U1

This course provides extensive opportunities for students to speak and interact in French independently. Students will apply language-learning strategies in a wide variety of real-life situations, and will continue to develop their creative and critical thinking skills through responding to and interacting with a variety of oral and written texts. Students will also continue to enrich their understanding and appreciation of diverse French-speaking communities and to develop the skills necessary for life-long language learning. *The advanced placement option qualifies this course as a university credit; the results of the AP exam may, at the student's initiative, be used by the attending university to grant placement or a credit.*

LWSDU1 (grade 12 university) Spanish 1.0 credit

Prerequisite: LWSCU1

This course prepares students for university studies in the international language. Students will enhance their ability to use the language with clarity and precision, and will develop the language skills needed to engage in sustained conversations and discussions, understand and evaluate information, read diverse materials for both study and pleasure, and write clearly and effectively. Students will also have opportunities to add to their knowledge of the culture of countries where the language is spoken through the use of community resources and computer technology.

Extended French

The courses listed under Extended French (those with a code ending in F) are designed for the Extended French program. Only students enrolled in the Extended French program may take these courses. Students must have a minimum of 1260 hours in French (Extended or French Immersion).

CHC2DF (academic) Canadian History Since World War I 1.0 credit

This course explores social, economic, and political developments and events and their impact on the lives of different groups in Canada since 1914. Students will examine the role of conflict and cooperation in Canadian society, Canada's evolving role within the global community, and the impact of various individuals, organizations, and events on Canadian identity, citizenship, and heritage. They will develop their ability to apply the concepts of historical thinking and the historical inquiry process, including the interpretation and analysis of evidence, when investigating key issues and events in Canadian history since 1914.

CHC2PF (applied) Canadian History Since World War I 1.0 credit

This course focuses on the social context of historical developments and events and how they have affected the lives of people in Canada since 1914. Students will explore interactions between various communities in Canada as well as contributions of individuals and groups to Canadian heritage and identity. Students will develop their ability to apply the concepts of historical thinking and the historical inquiry process, including the interpretation and analysis of evidence, when investigating the continuing relevance of historical developments and how they have helped shape communities in present-day Canada.

CHV2OF (open) Civics and Citizenship 0.5 credit

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.

FEF2DF (academic) Extended French 1.0 credit

Prerequisite: FEF1DF

This course provides extensive opportunities for students to use their communication skills in French and to apply language-learning strategies. Students will respond to and interact with French oral and written texts in a variety of real-life contexts, using their creative and critical thinking skills to explore and evaluate information and ideas in the texts. Students will increase their knowledge of the language through the study of French-Canadian authors. They will also continue to increase their understanding and appreciation of French-speaking communities and to develop the skills necessary to become life-long language learners.

GLC2OF (open) Career Studies 0.5 credit

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.

HRE2OF (open) Christ and Culture 1.0 credit

This course both invites and challenges the adolescent to personalize the Gospel values and social justice principles that guide Catholics in understanding their role in shaping culture as disciples of Jesus. Students will explore such foundational topics as: what it means to be human, created in God's image, what is culture, Christ and culture, living together in solidarity, social justice, prayer and sacrament, friendship and intimacy. Connections between the living Church and contemporary culture are explored in terms of what it means to be a responsible Christian adolescent in a secularized, pluralistic world.

FEF3UF (university) Extended French 1.0 credit

Prerequisite: FEF2DF

This course provides opportunities for students to communicate about concrete and abstract topics in various situations. Students will consolidate language-learning strategies and apply them in a variety of real-life contexts in order to enhance and refine their communication skills, and will continue to develop creative and critical thinking skills. Students will develop their knowledge of the language through the study of contemporary

and well-known French European authors. They will also continue to deepen their understanding and appreciation of diverse French-speaking communities, and develop the skills necessary to become life-long language learners.

HRT3MF (university/college) Faith and Culture: World Religions 1.0 credit

This course engages students in the examination of world religions, particularly Judaism, Christianity, Islam and the First Nations, Métis and Inuit Spiritualities and a locally appropriate religious tradition. This is a survey course that will help students understand the basic similarities and differences between the religious traditions so they can interact with others with acceptance and familiarity. We live in a multi-faith global community. With the knowledge of this course, students ought to be able to understand more clearly the world's religious affairs.

FEF4UF (university) Extended French 1.0 credit

Prerequisite: FEF3UF

This course further emphasizes the consolidation of communication skills required to interact in French for various purposes about concrete and abstract topics. Students will independently apply language learning strategies in a variety of real-life and personally relevant contexts in listening, speaking, reading, and writing, and will broaden their creative and critical thinking skills through responding to and analysing oral and written texts. Students will increase their knowledge of the French language through the study of Canadian and international French literature. They will also enrich their understanding and appreciation of diverse French-speaking communities, and will develop skills necessary for lifelong language learning.

HRE4MF (university/college) Church and Culture 1.0 credit

This course enables students to deepen their understanding of how the Church engages contemporary culture with faith and reason, in pursuit of love, justice, and the common good. Students will have opportunity to learn how living the Baptismal vocation to a virtuous life, filled with the joy of the Gospel and nurtured by the sacraments, can transform them and society from within, allowing God to reign in human hearts. Students will also refine research and inquiry skills.

French Immersion

The courses listed under French Immersion (those with a code ending in F) are designed for the French Immersion program. Only students enrolled in the French Immersion program may take these courses. Students must have a minimum of 3800 hours in French.

CGC1DF (academic) Geography of Canada 1.0 credit

This course examines interrelationships within and between Canada's natural and human systems and how these systems interconnect with those in other parts of the world. Students will explore environmental, economic, and social geographic issues relating to topics such as transportation options, energy choices, and urban development. Students will apply the concepts of geographic thinking and the geographic inquiry process, including spatial technologies, to investigate various geographic issues and to develop possible approaches for making Canada a more sustainable place in which to live.

CGC1PF (applied) Issues in Canadian Geography 1.0 credit

This course focuses on current geographic issues that affect Canadians. Students will draw on their personal and everyday experiences as they explore issues relating to food and water supplies, competing land uses, interactions with the natural environment, and other topics relevant to sustainable living in Canada. They will also develop an awareness that issues that affect their lives in Canada are interconnected with issues in other parts of the world. Throughout the course, students will use the concepts of geographic thinking, the geographic inquiry process, and spatial technologies to guide and support their investigations.

FIF1DF (academic) French Immersion 1.0 credit

Prerequisite: Minimum of 3800 hours of instruction in elementary French Immersion, or equivalent.

This course provides opportunities for students to speak and interact in French independently in a variety of real-life and personally relevant contexts. Students will develop their skills in listening, speaking, reading, and writing, as well their ability to communicate in French with confidence, by using language learning strategies introduced in the elementary French Immersion program. Students will enhance their knowledge of the French language through the study of French Canadian literature. They will also increase their understanding and appreciation of diverse French-speaking communities, and will develop skills necessary for lifelong language learning.

FIF1PF (applied) French Immersion 1.0 credit

Prerequisite: Minimum of 3800 hours of instruction in elementary French Immersion, or equivalent.

This course provides opportunities for students to communicate and exchange information in French in a variety of real-life situations, with support as appropriate. Students will develop the key listening, speaking, reading, and writing skills introduced in the elementary French Immersion program. They will also increase their understanding and appreciation of diverse French-speaking communities, and will develop skills necessary for lifelong language learning.

HRE1OF (open) Discipleship and Culture 1.0 credit

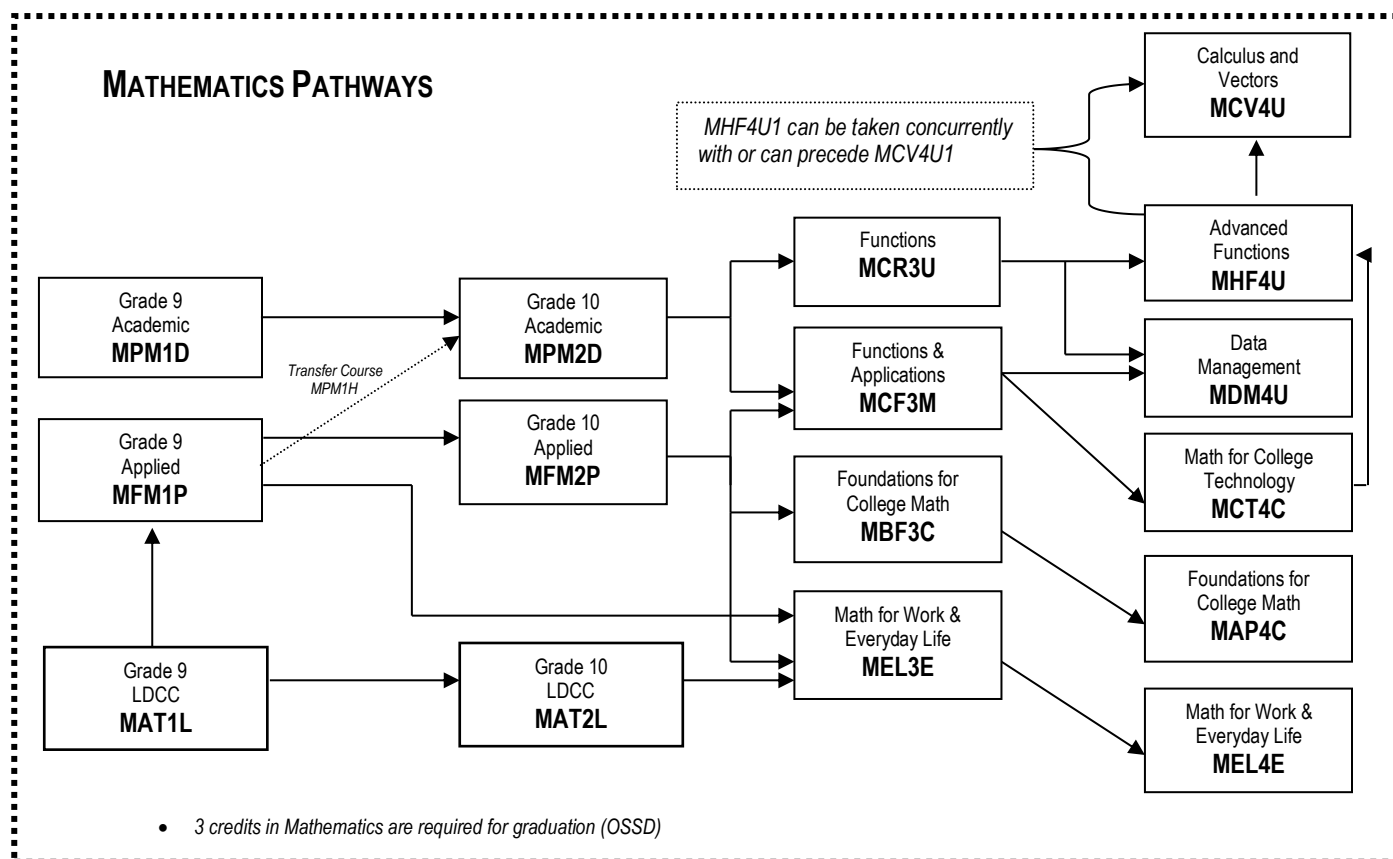
This course engages students in the examination of the Christian narrative as revealed in Sacred Scripture. Students are invited to a deeper understanding of both the joy and the demands of living out the call to discipleship as it is described in the Scriptures. Students explore discipleship as encountered in the Sacred Tradition of the Church (Sacraments, Liturgical Year and Church Teaching and Law), as part of their ongoing personal growth and faith understanding. Students explore Catholic rituals, teaching, practice, morals and values, and virtues to facilitate a healthy and covenantal relationship with self, God and with others. Using theological reflection, they are challenged to explore the connections and disconnections of ethical concepts (euthanasia, abortion, sexuality, etc.) between the Church and contemporary culture. The course focuses on encouraging students to know and love by following in the footsteps of Jesus. As they learn of his words and deeds, they discover the importance of prayerfully serving the community to bring about the Reign of God.

PPL104 (open) Healthy Active Living Education (*male*) 1.0 credit

PPL105 (open) Healthy Active Living Education (*female*) 1.0 credit

This course emphasizes regular participation in a variety of enjoyable physical activities that promote lifelong healthy active living. Students will learn movement skills and principles, ways to improve personal fitness and physical competence, and safety and injury prevention. They will investigate issues related to healthy sexuality and the use and abuse of alcohol, tobacco, and other drugs, and will participate in activities designed to develop goal setting, communication, and social skills.

Mathematics



MPM1D1 (academic)

Principles of Mathematics

1.0 credit

This course enables students to develop understanding of mathematical concepts related to algebra, analytic geometry, and measurement and geometry through investigation, the effective use of technology, and abstract reasoning. Students will investigate relationships, which they will then generalize as equations of lines, and will determine the connections between different representations of a relationship. They will also explore relationships that emerge from the measurement of three-dimensional objects and two-dimensional shapes. Students will reason mathematically and communicate their thinking as they solve multistep problems.

MFM1P1 (applied)

Foundations of Mathematics

1.0 credit

This course enables students to develop understanding of mathematical concepts related to introductory algebra, proportional reasoning, and measurement and geometry through investigation, the effective use of technology, and hands-on activities. Students will investigate real-life examples to develop various representations of linear relationships, and will determine the connections between the representations. They will also explore certain relationships that emerge from the measurement of three-dimensional objects and two-dimensional shapes. Students will consolidate their mathematical skills as they solve problems and communicate their thinking.

MAT1L1 (locally developed)

Essential Mathematics

1.0 credit

This course emphasizes further development of mathematical knowledge and skills to prepare students for success in their everyday lives, in the workplace, in the Grade 10 LDCC course, and in the Mathematics Grade 11 and Grade 12 Workplace Preparation courses. The course is organized by three strands related to money sense, measurement, and proportional reasoning. In all strands, the focus is on developing and consolidating key foundational mathematical concepts and skills by solving authentic, everyday problems. Students have opportunities to further develop their mathematical literacy and problem-solving skills and to continue developing their skills in reading, writing, and oral language through relevant and practical math activities.

MPM2D1 (academic) Principles of Mathematics 1.0 credit

Prerequisite: MPM1D1 or MFM1P1 and MPM1H1

Recommendation: above 70% in MPM1D1

MPM2D2 (academic) Principles of Mathematics (advanced placement) 1.0 credit

Prerequisite: MPM1D1

Recommendation: above 80% in MPM1D1

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 relationships 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 as they solve multistep problems and communicate their thinking. *Students entering this course from the applied level must have completed a summer school transfer course; the advanced placement option qualifies this course as a university credit; the results of the AP exam may, at the student's initiative, be used by the attending university to grant placement or a credit.*

MFM2P1 (applied) Foundations of Mathematics 1.0 credit

Prerequisite: MPM1D1 or MFM1P1

This course enables students to consolidate their understanding of relationships and extend their problem-solving and algebraic skills through investigation, the effective use of technology, and hands-on activities. Students will develop and graph equations in analytic geometry; solve and apply linear systems, using real-life examples; and explore and interpret graphs of quadratic relationships. Students will investigate similar triangles, the trigonometry of right-angled triangles, and the measurement of three-dimensional objects. Students will consolidate their mathematical skills as they solve problems and communicate their thinking.

MAT2L1 (locally developed) Essential Mathematics 1.0 credit

Prerequisite: MAT1L1

This course emphasizes the extension of mathematical knowledge and skills to prepare students for success in their everyday lives, in the workplace, and in the Math grade 11 and 12 workplace courses. The course is organized by three strands related to money sense, measurement, and proportional reasoning. In all strands, the focus is on strengthening and extending key foundational mathematical concepts and skills by solving authentic, everyday problems. Students have opportunities to extend their mathematical literacy and problem solving skills and to continue developing their skills in reading, writing, and oral language through relevant and practical math activities.

MBF3C1 (college) Foundations for College Mathematics 1.0 credit

Prerequisite: MFM2P1

This course enables students to broaden their understanding of mathematics as a problem-solving tool in the real world. Students will extend their understanding of quadratic relations, as well as of measurement and geometry; investigate situations involving exponential growth; solve problems involving compound interest; solve financial problems connected with vehicle ownership; and develop their ability to reason by collecting, analysing, and evaluating data involving one and two variables. Students will consolidate their mathematical skills as they solve problems and communicate their thinking.

MCF3M1 (university/college) Functions and Applications 1.0 credit

Prerequisite: MPM2D1 or MFM2P1

Recommendation: above 65% in MPM2D1

This course introduces basic features of the function by extending students' experiences with quadratic relations. It focuses on quadratic, trigonometric, and exponential functions and their use in modeling real-world situations. Students will represent functions numerically, graphically, and algebraically; simplify expressions; solve equations; and solve problems relating to financial and trigonometric applications. Students will reason mathematically and communicate their thinking as they solve multi-step problems.

MCR3U1 (university) Functions 1.0 credit

Prerequisite: MPM2D1

Recommendation: above 75% in MPM2D1

MCR3U2 (university) Functions (advanced placement) 1.0 credit

Prerequisite: MPM2D2

Recommendation: above 80% in MPM2D2

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; and develop facility in simplifying polynomial and rational expressions. Students will reason mathematically and communicate their thinking as they solve multi-step problems. *The advanced placement option qualifies this course as a university credit; the results of the AP exam may, at the student's initiative, be used by the attending university to grant placement or a credit.*

MEL3E1	(workplace)	Mathematics for Work and Everyday Life	1.0 credit
<i>Prerequisite: MFM1P1 or MAT2L1</i>			
This course enables students to broaden their understanding of mathematics as it is applied in the workplace and daily life. Students will solve problems associated with earning money, paying taxes, and making purchases; apply calculations of simple and compound interest in saving, investing, and borrowing; and calculate the costs of transportation and travel in a variety of situations. Students will consolidate their mathematical skills as they solve problems and communicate their thinking.			
MAP4C1	(college)	Foundations for College Mathematics	1.0 credit
<i>Prerequisite: MBF3C1</i>			
This course enables students to broaden their understanding of real-world applications of mathematics. Students will analyse data using statistical methods; solve problems involving applications of geometry and trigonometry; simplify expressions; and solve equations. Students will reason mathematically and communicate their thinking as they solve multi-step problems. This course prepares students for college programs in areas such as business, health sciences, and human services, and for certain skilled trades.			
MCT4CD	(college)	Mathematics for College Technology (<i>dual credit</i>)	1.0 credit
<i>Prerequisite: MCR3U1 or MCF3M1</i>		<i>Recommendation: above 80% in MCF3M1</i>	
This course enables students to extend their knowledge of functions. Students will investigate and apply properties of polynomial, exponential, and trigonometric functions; continue to represent functions numerically, graphically, and algebraically; develop facility in simplifying expressions and solving equations; and solve problems that address applications of algebra, trigonometry, vectors, and geometry. Students will reason mathematically and communicate their thinking as they solve multi-step problems. This course prepares students for a variety of college technology programs. <i>The dual credit option affords students the opportunity to achieve a college credit and a high school credit.</i>			
MCV4U1	(university)	Calculus and Vectors	1.0 credit
<i>Prerequisite: MCR3U1</i>		<i>Recommendation: above 75% in MHF4U1</i>	
<i>Co-requisite: MHF4U1</i>			
MCV4U2	(university)	Calculus and Vectors (<i>advanced placement</i>)	1.0 credit
<i>Prerequisite: MCR3U2</i>		<i>Recommendation: above 75% in MHF4U2</i>	
<i>Co-requisite: MHF4U2</i>			
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, rational, exponential, and sinusoidal functions; and apply these concepts and skills to the modeling 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 plan to study mathematics in university and who may choose to pursue careers in fields such as physics and engineering. <i>The advanced placement option qualifies this course as a university credit; the results of the AP exam may, at the student's initiative, be used by the attending university to grant placement or a credit.</i>			
MDM4U1	(university)	Mathematics of Data Management	1.0 credit
<i>Prerequisite: MCR3U1 or MCF3M1</i>		<i>Recommendation: above 80% in MCF3M1 or 70% in MCR3U1</i>	
MDM4UE	(university)	Mathematics of Data Management (<i>e-learning</i>)	1.0 credit
<i>Prerequisite: MCR3U1 or MCF3M1</i>		<i>Recommendation: above 80% in MCF3M1 or 70% in MCR3U1</i>	
This course broadens students' understanding of mathematics as it relates to managing data. Students will apply methods for organizing large amounts of information; solve problems involving probability and statistics; and carry out a culminating project 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.			
MEL4E1	(workplace)	Mathematics for Work and Everyday Life	1.0 credit
<i>Prerequisite: MEL3E1</i>			

This course enables students to broaden their understanding of mathematics as it is applied in the workplace and daily life. Students will investigate questions involving the use of statistics; apply the concept of probability to solve problems involving familiar situations; investigate accommodation costs and create household budgets; use proportional reasoning; estimate and measure; and apply geometric concepts to create designs. Students will consolidate their mathematical skills as they solve problems and communicate their thinking.

MHF4U1 (university) Advanced Functions 1.0 credit

Prerequisite: MCR3U1 or MCT4C1

Recommendation: above 75% in MCR3U1

MHF4U2 (university) Advanced Functions (*advanced placement*) 1.0 credit

Prerequisite: MCR3U2

Recommendation: above 75% in MCR3U2

This course extends students' experience with functions. Students will investigate the properties of polynomial, rational, logarithmic, and trigonometric 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 who plan to study mathematics in university and for those wishing to consolidate their understanding of mathematics before proceeding to any one of a variety of university programs. *The advanced placement option qualifies this course as a university credit; the results of the AP exam may, at the student's initiative, be used by the attending university to grant placement or a credit.*

Program Support

ENGLISH AS A SECOND LANGUAGE

English as a Second Language courses are offered to assist all grade 9 - 12 students who have recently arrived from countries or communities where the usual means of communication is either a language other than English or a variety of English other than Standard English. Up to three ESL courses may be counted toward the mandatory English credits required for a diploma. Depending on the needs of the student, the English as a Second Language courses will be offered at 1 of 5 levels. Students interested in taking ESL need only to indicate that on their option sheet; grade and level will be determined at a later date based upon the needs of the student and other courses selected for the year.

ESLA01

English as a Second Language – Level 1

1.0 credit

This course builds on students' previous education and language knowledge to introduce them to the English language and help them adjust to the diversity in their new environment. Students will use beginning English language skills in listening, speaking, reading, and writing for everyday and essential academic purposes. They will engage in short conversations using basic English language structures and simple sentence patterns; read short adapted texts; and write phrases and short sentences. The course also provides students with the knowledge and skills they need to begin to adapt to their new lives in Canada.

ESLB01

English as a Second Language – Level 2

1.0 credit

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.

ESLC01

English as a Second Language – Level 3

1.0 credit

This course further extends students' skills in listening, speaking, reading, and writing in English for a variety of everyday and academic purposes. Students will make short classroom oral presentations; read a variety of adapted and original texts in English; and write using a variety of text forms. As well, students will expand their academic vocabulary and their study skills to facilitate their transition to the mainstream school program. This course also introduces students to the rights and responsibilities inherent in Canadian citizenship, and to a variety of current Canadian issues.

ESLD01

English as a Second Language – Level 4

1.0 credit

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.

ESLE01

English as a Second Language – Level 5

1.0 credit

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.

ENGLISH LITERACY DEVELOPMENT

English Literacy Development courses are offered to all grade 9 - 12 students who have recently arrived from countries or communities where access to education has been limited, and who have not had opportunities to develop literacy skills in their first language. All ELD courses may be counted toward the mandatory English credits required for a diploma. Depending on the needs of the student, the English Literacy Development courses will be offered at 1 of 5 levels. Students interested in taking ELD need only to indicate that on their option sheet; grade and level will be determined at a later date based upon the needs of the student and other courses selected for the year.

Key Objectives:

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ELDA01

English Literacy Development – Level 1

1.0 credit

This course is intended for English language learners who have had limited access to schooling and thus have significant gaps in their first-language literacy skills. Students will use basic listening and speaking skills to communicate in English for everyday purposes; develop readiness skills for reading and writing; begin to read highly structured texts for everyday and school-related purposes; and use basic English language structures and sentence patterns in speaking and writing. The course will also help students become familiar with school routines and begin to adapt to their new lives in Canada.

ELDB01

English Literacy Development – Level 2

1.0 credit

This course is intended for English language learners who have had limited access to schooling and thus have gaps in their first-language literacy skills. Students will use their developing listening and speaking skills to communicate in English for a variety of purposes; develop reading strategies to understand a variety of simple texts; produce simple forms of writing; apply increasing knowledge of English grammatical structures in speaking and writing; expand their vocabulary; and develop fundamental study skills. The course will also provide opportunities for students to become familiar with and use school and community resources and to build their knowledge of Canada and diversity.

ELDC01

English Literacy Development – Level 3

1.0 credit

This course builds on students' growing literacy and language skills and extends their ability to communicate in English about familiar and school-related topics. Students will make brief oral presentations; improve their literacy skills through a variety of contextualized and supported reading and writing tasks; distinguish between fact and opinion in short written and oral texts; complete short guided-research projects; and engage in a variety of cooperative learning activities. The course will also enable students to strengthen and extend their study skills and personal-management strategies and to broaden their understanding of Canadian diversity and citizenship.

ELDDO1

English Literacy Development – Level 4

1.0 credit

This course extends students' literacy skills and ability to apply learning strategies effectively, and teaches them how to use community resources to enhance lifelong learning. Students will communicate with increased accuracy and fluency for a variety of academic and everyday purposes; perform a variety of guided reading, writing, and viewing tasks; and use media and community resources to complete guided-research projects. This course further develops the critical thinking skills students will need to participate in Canadian society as informed citizens.

ELDE01

English Literacy Development – Level 5

1.0 credit

This course provides students with skills and strategies that will allow them to continue their education successfully and pursue pathways to employment that may involve apprenticeship and/or cooperative education programs. Students will communicate orally and in writing on a variety of topics; perform a variety of independent reading and writing tasks; interpret and create media texts; and use a range of media and community resources. This course also expands the critical thinking skills students will need in order to contribute to Canadian society as informed citizens.

Physical and Health Education

PPL101 (open) Healthy Active Living Education (male) 1.0 credit

PPL102 (open) Healthy Active Living Education (female) 1.0 credit

This course emphasizes students' daily participation in a variety of enjoyable physical activities that promote lifelong healthy active living. Students will learn movement techniques and principles, ways to improve personal fitness and physical competence, and safety/injury prevention strategies. They will investigate issues related to healthy sexuality and the use and abuse of alcohol, tobacco, and other drugs and will participate in activities designed to develop goal-setting, communication, and social skills.

PAF201 (open) Cardiovascular and Strength Training (male) 1.0 credit

PAF202 (open) Cardiovascular and Strength Training (female) 1.0 credit

This course emphasizes regular participation in a variety of enjoyable physical activities that promote lifelong healthy active living. Student learning will include the application of movement principles to refine skills; participation in a variety of activities that enhance personal competence, fitness, and health; examination of issues related to healthy sexuality, healthy eating, substance use and abuse; and the use of informed decision-making, conflict resolution, and social skills in making personal choices. *This course provides physical activity for the person who does not have a particular sports preference; the predominant physical activity will be strength training and cardiovascular endurance activities; a component of the course is a 5km community run.*

PPL201 (open) Healthy Active Living Education (male) 1.0 credit

PPL202 (open) Healthy Active Living Education (female) 1.0 credit

This course emphasizes regular participation in a variety of enjoyable physical activities that promote lifelong healthy active living. Student learning will include the application of movement principles to refine skills; participation in a variety of activities that enhance personal competence, fitness, and health; examination of issues related to healthy sexuality, healthy eating, substance use and abuse; and the use of informed decision-making, conflict resolution, and social skills in making personal choices.

PAF301 (open) Cardiovascular and Strength Training (male) 1.0 credit

PAF302 (open) Cardiovascular and Strength Training (female) 1.0 credit

This course focuses on the development of a healthy lifestyle and participation in a variety of enjoyable physical activities that have the potential to engage students' interest throughout their lives. Students will be encouraged to develop personal competence in a variety of movement skills and will be given opportunities to practise goal-setting, decision-making, social, and interpersonal skills. Students will also study the components of healthy relationships, reproductive health, mental health, human systems and athletic injuries. *This course also provides physical activity for the person who does not have a particular sports preference. The predominant physical activity will be strength training and cardiovascular endurance activities; a component of the course is a 5km community run.*

PPL301 (open) Healthy Active Living Education (male) 1.0 credit

PPL302 (open) Healthy Active Living Education (female) 1.0 credit

This course focuses on the development of a healthy lifestyle and participation in a variety of enjoyable physical activities that have the potential to engage students' interest throughout their lives. Students will be encouraged to develop personal competence in a variety of movement skills and will be given opportunities to practise goal-setting, decision-making, social, and interpersonal skills. Students will also study the components of healthy relationships, reproductive health, mental health, human systems, and athletic injuries.

PPL30B (open) Healthy Active Living Education [Basketball] (co-ed) 1.0 credit

This course focuses on the development of a healthy lifestyle and participation in a variety of enjoyable physical activities that have the potential to engage students' interest throughout their lives. Students will be encouraged to develop personal competence in a variety of movement skills and will be given opportunities to practise goal-setting, decision-making, social, and interpersonal skills. Students will also study the components of healthy relationships, reproductive health, mental health, human systems, and athletic injuries. *The above will be achieved through the study of basketball exclusively and is designed for basketball players wishing to improve their game.*

PAF403 (open) Cardiovascular and Strength Training (co-ed) 1.0 credit

This course focuses on the development of a personalized approach to healthy active living through participation in recreational activities that have the potential to engage students' interest throughout their lives. Students will develop and implement personal physical fitness plans. In addition,

they will be given opportunities to refine their decision-making, conflict-resolution, and interpersonal skills, with a view to enhancing their mental health, their personal safety and their relationships with others. *This course also provides physical activity for the person who does not have a particular sports preference. The predominant physical activity will be strength training and cardiovascular endurance activities; a component of the course is a 5km community run.*

PLF4M3 (college) Recreation and Fitness Leadership 1.0 credit

Prerequisite: any grade 11 or 12 course Physical and Health Education

This course focuses on the development of leadership and coordination skills related to recreational activities. Students will acquire the knowledge and skills required to plan, organize, and implement recreational events. They will also learn how to promote the value of physical fitness, personal well-being, and personal safety to others through mentoring. The course will prepare students for college programs in recreational, leisure, and fitness leadership. *An application is required for this course; unsuccessful applicants will be placed in their alternative course selection.*

PPL4O3 (open) Healthy Active Living Education (co-ed) 1.0 credit

This course focuses on the development of a personalized approach to healthy active living through participation in recreational activities that have the potential to engage students' interest throughout their lives. Students will develop and implement personal physical fitness plans. In addition, they will be given opportunities to refine their decision-making, conflict-resolution, and interpersonal skills, with a view to enhancing their mental health and their relationships with others.

PSK4U3 (university) Exercise Science 1.0 credit

*Prerequisite: any grade 11 university or university/college course in Science
or any grade 11 or 12 course in Physical and Health Education*

This course focuses on the study of human movement and of systems, factors, and principles involved in human development. Students will learn about the effects of physical activity on health and performance, the evolution of physical activity and sports, and the factors that influence an individual's participation in physical activity. The course prepares students for university programs in physical education, nursing, medicine, kinesiology, recreation, and sports administration.

Science

SNC1D1 (academic) Science 1.0 credit

This course enables students to develop their understanding of basic concepts in biology, chemistry, earth and space science, and physics, and to relate science to technology, society, and the environment. Throughout the course, students will develop their skills in the processes of scientific investigation. Students will acquire an understanding of scientific theories and conduct investigations related to sustainable ecosystems; atomic and molecular structures and the properties of elements and compounds; the study of the universe and its properties and components; and the principles of electricity.

SNC1P1 (applied) Science 1.0 credit

This course enables students to develop their understanding of basic concepts in biology, chemistry, earth and space science, and physics, and to apply their knowledge of science to everyday situations. They are also given opportunities to develop practical skills related to scientific investigation. Students will plan and conduct investigations into practical problems and issues related to the impact of human activity on ecosystems; the structure and properties of elements and compounds; space exploration and the components of the universe; and static and current electricity.

SNC1L1 (locally developed) Skills Development in Science 1.0 credit

This course emphasizes reinforcing and strengthening science-related knowledge and skills, including scientific inquiry, critical thinking and the relationship between science, society, and the environment, to prepare students for success in everyday life, in the workplace and in the Science Grade 11 Workplace Preparation course. Students explore a range of topics including science in daily life, properties of common materials, life-sustaining processes in simple and complex organisms, and electrical circuits. Students have the opportunity to extend mathematical and scientific process skills and to continue developing their skills in reading, writing, and oral language through relevant and practical science activities.

SNC2D1 (academic) Science 1.0 credit

SNC2D2 (academic) Science (advanced placement) 1.0 credit

Prerequisite: SNC1D1

Recommendation: above 80% in SNC1D1

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. *The advanced placement option qualifies this course as a university credit; the results of the AP exam may, at the student's initiative, be used by the attending university to grant placement or a credit.*

SNC2L1 (locally developed) Skills Development in Science 1.0 credit

This course emphasizes reinforcing and strengthening science related knowledge and skills, including scientific inquiry, critical thinking, and the environmental impact of science and technology, to prepare students for success in everyday life, in the workplace and the Science Grade 11 workplace course. Students explore a range of topics including science in the media, interaction of common materials, and interdependence of organisms in communities and using electrical energy. Students have the opportunity to extend mathematical and scientific process skills and to continue developing their skills in reading, writing, and oral language through relevant and practical science activities.

SNC2P1 (applied) Science 1.0 credit

Prerequisite: SNC1D1 or SNC1P1

This course enables students to develop a deeper understanding of concepts in biology, chemistry, earth and space science, and physics, and to apply their knowledge of science in real-world situations. Students are given opportunities to develop further practical skills in scientific investigation. Students will plan and conduct investigations into everyday problems and issues related to human cells and body systems; chemical reactions; factors affecting climate change; and the interaction of light and matter.

SBI3C1 (college) Biology 1.0 credit

Prerequisite: SNC2D1 or SNC2P1

SBI3CD (college) Biology (dual credit) 1.0 credit

Prerequisite: SNC2D1 or SNC2P1

Recommendation: SNC2D1 or above 80% in SNC2P1

This course focuses on the processes that occur in biological systems. Students will learn concepts and theories as they conduct investigations in the areas of cellular biology, microbiology, genetics, the anatomy of mammals, and the structure of plants and their role in the natural environment. Emphasis will be placed on the practical application of concepts, and on the skills needed for further study in various branches of the life sciences and related fields. *The dual credit option affords students the opportunity to achieve a college credit and a high school credit.*

SBI3U1 (university) Biology 1.0 credit

Prerequisite: SNC2D1

SBI3U2 (university) Biology (advanced placement) 1.0 credit

Prerequisite: SNC2D2

Recommendation: above 80% in SNC2D2

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. *The advanced placement option qualifies this course as a university credit; the results of the AP exam may, at the student's initiative, be used by the attending university to grant placement or a credit.*

SCH3U1 (university) Chemistry 1.0 credit

Prerequisite: SNC2D1

SCH3U2 (university) Chemistry (advanced placement) 1.0 credit

Prerequisite: SNC2D2

Recommendation: above 80% in SNC2D2

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. *The advanced placement option qualifies this course as a university credit; the results of the AP exam may, at the student's initiative, be used by the attending university to grant placement or a credit.*

SPH3U1 (university) Physics 1.0 credit

Prerequisite: SNC2D1

SPH3U2 (university) Physics (advanced placement) 1.0 credit

Prerequisite: SNC2D2

Recommendation: above 80% in SNC2D2

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 analyse the interrelationships between physics and technology, and consider the impact of technological applications of physics on society and the environment.

SVN3E1 (workplace) Environmental Science 1.0 credit

Prerequisite: SNC2L1 or SNC1P1 or SNC1L1

This course provides students with the fundamental knowledge of and skills relating to environmental science that will help them succeed in work and life after secondary school. Students will explore a range of topics, including the impact of human activities on the environment; human health and the environment; energy conservation; resource science and management; and safety and environmental responsibility in the workplace. Emphasis is placed on relevant, practical applications and current topics in environmental science, with attention to the refinement of students' literacy and mathematical literacy skills as well as the development of their scientific and environmental literacy.

SVN3M1 (university/college) Environmental Science 1.0 credit

Prerequisite: SNC2D1 or SNC2P1

This course provides students with the fundamental knowledge of and skills relating to environmental science that will help them succeed in life after secondary school. Students will explore a range of topics, including the role of science in addressing contemporary environmental challenges; the impact of the environment on human health; sustainable agriculture and forestry; the reduction and management of waste; and the

conservation of energy. Students will increase their scientific and environmental literacy and examine the interrelationships between science, the environment, and society in a variety of areas.

SBI4U1 (university) Biology 1.0 credit

Prerequisite: SBI3U1

Recommendation: SCH3U1

SBI4U2 (university) Biology (advanced placement) 1.0 credit

Prerequisite: SBI3U2

Recommendation: above 80% in SBI3U2

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.

SCH4C1 (college) Chemistry 1.0 credit

Prerequisite: SNC2D1 or SNC2P1

This course enables students to develop an understanding of chemistry through the study of matter and qualitative analysis, organic chemistry, electrochemistry, chemical calculations, and chemistry as it relates to the quality of the environment. Students will use a variety of laboratory techniques, develop skills in data collection and scientific analysis, and communicate scientific information using appropriate terminology. Emphasis will be placed on the role of chemistry in daily life and the effects of technological applications and processes on society and the environment.

SCH4U1 (university) Chemistry 1.0 credit

Prerequisite: SCH3U1

SCH4U2 (university) Chemistry (advanced placement) 1.0 credit

Prerequisite: SCH3U2

Recommendation: above 80% in SCH3U2

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.

SES4U1 (university) Earth and Space Science 1.0 credit

Prerequisite: SNC2D1

This course develops students' understanding of Earth and its place in the universe. Students will investigate the properties of and forces in the universe and solar system and analyse techniques scientists use to generate knowledge about them. Students will closely examine the materials of Earth, its internal and surficial processes, and its geological history, and will learn how Earth's systems interact and how they have changed over time. Throughout the course, students will learn how these forces, processes, and materials affect their daily lives. The course draws on biology, chemistry, physics, and mathematics in its consideration of geological and astronomical.

SNC4E1 (workplace) Science 1.0 credit

Prerequisite: SVN3E1 or SNC2P1 or SNC2L1

This course provides students with fundamental science knowledge and workplace skills needed to prepare them for success beyond secondary school. Students will explore hazards in the workplace, chemicals in consumer products, disease and its prevention, electricity at home and at work, and nutritional science. Emphasis is placed on current topics in science and relevant, practical activities that develop students' literacy and mathematical literacy skills and enhance their scientific literacy.

SNC4M1 (university/college) Science [Health Science] 1.0 credit

Prerequisite: SNC2D1 or any grade 11 university or university/college or college course in Science

This course enables students, including those pursuing post-secondary programs outside the sciences, to increase their understanding of science and contemporary social and environmental issues in health-related fields. Students will explore a variety of medical technologies, pathogens and disease, nutritional science, public health issues, and biotechnology. The course focuses on the theoretical aspects of the topics under study and helps refine students' scientific investigation skills.

SPH4C1	(college)	Physics	1.0 credit
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Prerequisite: SNC2D1 or SNC2P1

This course develops students' understanding of the basic concepts of physics. Students will explore these concepts with respect to motion; mechanical, electrical, electromagnetic, energy transformation, hydraulic, and pneumatic systems; and the operation of commonly used tools and machines. They will develop their scientific investigation skills as they test laws of physics and solve both assigned problems and those emerging from their investigations. Students will also consider the impact of technological applications of physics on society and the environment.

SPH4U1	(university)	Physics	1.0 credit
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Prerequisite: SPH3U1

SPH4U2	(university)	Physics (<i>advanced placement</i>)	1.0 credit
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Prerequisite: SPH3U2

Recommendation: above 80% in SPH3U2

This course enables students 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 analyse, qualitatively and quantitatively, data relating to a variety of physics concepts and principles. Students will also consider the impact of technological applications of physics on society and the environment.

COURSE CODES AND PREREQUISITES

Grade 9

ADA1O1	Drama
ATC1O1	Dance
AMI1O1	Music – Band
AMV1O1	Music – Vocal/Choral
AVI1O1	Visual Arts
BTT1O1	Information & Communication Technology in Business
CGC1D1/F	Issues in Canadian Geography
CGC1P1/F	Issues in Canadian Geography
ENG1D1	English
ENG1P1	English
ENG1L1	English
FIF1DF	French Immersion
FIF1PF	French Immersion
FSF1D1	Core French
FSF1O1	Core French
FSF1P1	Core French
GLE1O1	Learning Strategies 1: Skills for Success in School
HRE1O1/F	Religion: Discipleship and Culture
MFM1P1	Foundations of Mathematics
MPM1D1	Principles of Mathematics
MAT1L1	Essential Mathematics
PPL1O1/2/4/5	Healthy Active Living Education
SNC1D1	Science
SNC1L1	Skills Development in Science
SNC1P1	Science
TIJ1O1	Exploring Technologies

Grade 10

ADA2O1	Drama
AMG2O1	Music – Guitar
AMI2O1	Music – Band
AMV2O1	Music – Vocal/Choral
AMQ2O1	Music – Steel Drum
ASM2O1	Media Arts
ATC2O1	Dance
AVI2O1	Visual Arts
AWM2O1	Visual Arts – Drawing and Painting
BBI2O1	Introduction to Business
CHC2D1/F	Canadian History since World War I
CHC2P1/F	Canadian History since World War I
CHC2L1	History in the 20 th Century
CHV2O1/F	Civics & Citizenship
ENG2D1	English
ENG2P1	English
ENG2L1	English
ELS2O1	Literacy Skills
FEF2DF	Extended French
FSF2D1	French
FSF2O1	French
FSF2P1	French
GLC2O1/F	Career Studies
HFN2O1	Food and Nutrition
HRE2O1/F	Religion: Christ & Culture
ICS2O1	Introduction to Computer Studies
LWSBD1	Spanish
MFM2P1	Foundations of Mathematics
MPM2D1/2	Principles of Mathematics
MAT2L1	Essential Mathematics
PPL2O1/2	Healthy Active Living Education
PAF2O1/2	Cardiovascular and Strength Training
SNC2D1	Science
SNC2P1	Science
SNC2L1	Skills Development in Science
TCJ2O1	Construction Technology
TDJ2O1	Technological Design

Grade 11

CODE	COURSE	PREREQUISITE	RECOMMENDED
ADA3M1	Drama	ADA1O1 or ADA2O1	
AMG3O1	Music – Guitar	gr 9 or 10 Music	AMG2O1
AMI3M1	Music – Band	gr 9 or 10 Music	AMI1O1 or AMI2O1
AMQ3M1	Music – Steel Drum	gr 9 or 10 Music	AMQ2O1
AMV3M1	Music – Vocal/Choral	gr 9 or 10 Music	AMV1O1 or AMV2O1
ASM3M1	Media Arts	gr 9 or 10 Arts	
ASM3M2	Media Arts	ASM2O1	
ATC3M1	Dance	ATC1O1 or ATC2O1	
AVI3M1	Visual Arts	gr 9 or 10 Visual Arts	AVI2O1 or AWD2O1
AWD3M1	Visual Arts – Visual Design	gr 9 or 10 Visual Arts	AVI2O1 or AWD2O1
AWE3M1	Visual Arts – Information/Consumer Design [Yearbook]	gr 9 or 10 Visual Arts or ASM2O1	ASM2O1
BAF3M1	Financial Accounting Fundamentals		
BDI3C1	Entrepreneurship: The Venture		
BMI3C1/D	Marketing: Goods, Services, Events		
BTA3O1	Info & Communication Technology: Digital Environment		BTT1O1 or BTT2O1
CGF3M1	Forces of Nature: Physical Processes & Disasters	CGC1D1 or CGC1P1	
CGG3O1	Travel & Tourism: A Geographic Perspective	CGC1D1 or CGC1P1	
CHA3U1	American History	CHC2D1 or CHC2P1	
CHW3M1	World History to the End of the 15 th Century	CHC2D1 or CHC2P1	
CLU3E1	Understanding Canadian Law in Everyday Life	CHC2D1 or CHC2P1 or CHC2L1	
CLU3M1	Understanding Canadian Law	CHC2D1 or CHC2P1	
EMS3O1	Media Studies	ENG2D1 or ENG2P1	
ENG3C1	English	ENG2D1 or ENG2P1	
ENG3E1	English	ENG2P1 or ENG2L1	
ENG3U1	English	ENG2D1	
FEF3UF	Extended French	FEF2DF	
FSF3U1	French	FSF2D1	
GWL3O1/9	Designing Your Future		
HLS3O1	Housing and Home Design		
HPC3O1/2	Raising Healthy Children		
HRF3O1	World Religions: Faith and Culture	HRE2O1	
HRT3M1/F	World Religions: Faith and Culture	HRE2O1	
HSP3C1	Introduction to Anthropology Psychology & Sociology		
HSP3U1	Introduction to Anthropology Psychology & Sociology	ENG2D1 or CHC2D1	
ICS3U1	Introduction to Computer Science		ICS2O1
LWSCU1	Spanish	LWSAD1	
MBF3C1	Foundations for College Math	MFM2P1	
MCF3M1	Functions and Applications	MPM2D1 or MFM2P1	
MCR3U1/2	Functions	MPM2D1	
MEL3E1	Mathematics for Everyday Life	MAT2L1 or MFM1P1	
NDA3M1	Current Aboriginal Issues in Canada	CHC2D1 or CHC2P1	
PAF3O1/2	Cardiovascular and Strength Training		
PPL3O1/2	Healthy Active Living Education		
PPL3OB	Healthy Active Living Education [Basketball]		
SBI3C1/D	Biology	SNC2D1 or SNC2P1	
SBI3U1/2	Biology	SNC2D1	
SCH3U1/2	Chemistry	SNC2D1	
SPH3U1/2	Physics	SNC2D1	
SVN3E1	Environmental Science	SNC2L1 or SNC1P1 or SNC1L1	
SVN3M1	Environmental Science	SNC2D1 or SNC2P1	
TCJ3C1	Construction Engineering Technology		TCJ2O1
TDJ3M1	Technological Design		TDJ2O1
TER3M1	Computer Engineering Technology: Robotics & Control Systems		ICS2O1
TGJ3M1	Communications Technology [Web Design]		
TWJ3E1	Custom Woodworking		

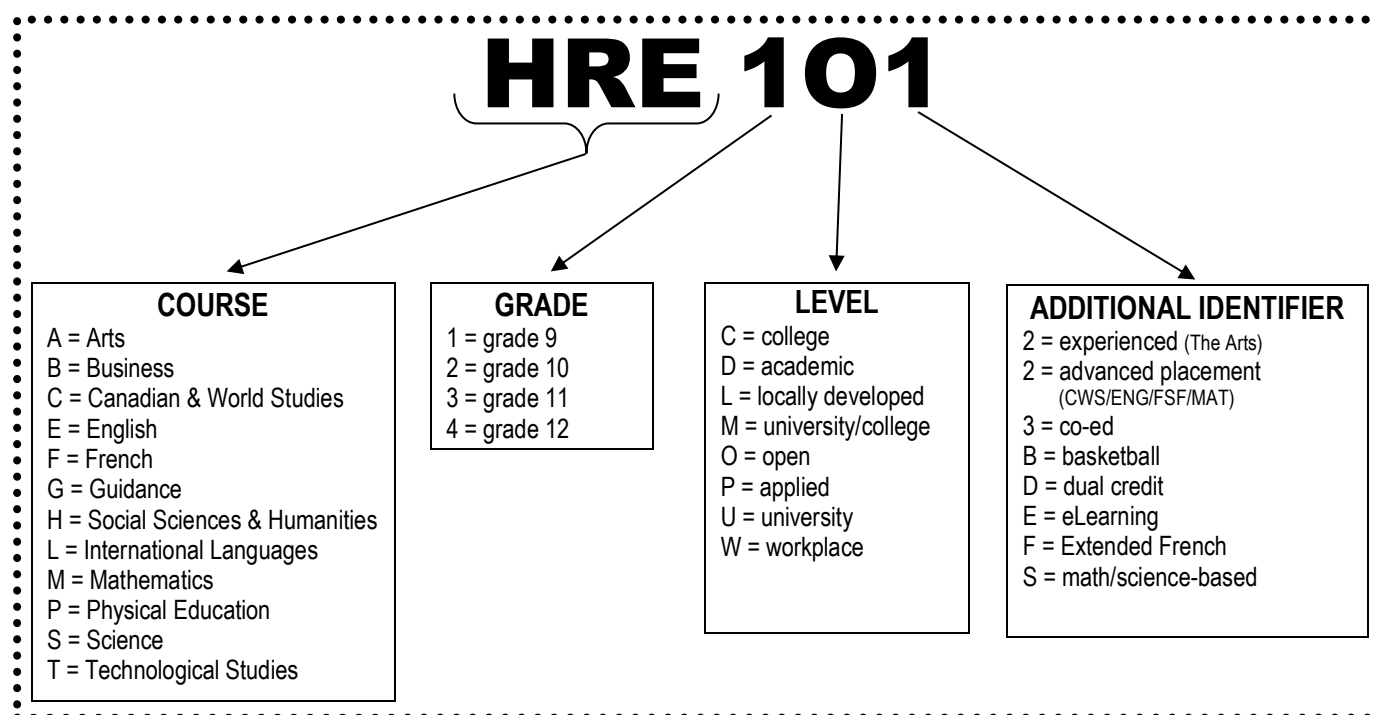
Grade 12

CODE	COURSE	PREREQUISITE	RECOMMENDED
ADA4M1	Drama	ADA3M1	
AEA4O1	Exploring and Creating in the Arts	gr 9/10 Arts	
AMG4M1	Music – Guitar	gr 11 Music	AMG3M1
AMI4M1	Music – Band	gr 11 Music	AMI3M1
AMQ4M1	Music – Steel Drum	gr 11 Music	AMQ3M1
AMV4M1	Music – Vocal / Choral	gr 11 Music	AMV3M1
ATC4M1	Dance	ATC3M1	
AVI4M1	Visual Arts	gr 11 Visual Arts	AVI3M1
AWD4M1	Visual Arts – Visual Design	gr 11 Visual Arts	AWD3M1
AWE4M1	Visual Arts – Info/Consumer Design [Yearbook]	gr 11 Visual Arts	AWE3M1
BBB4M1	International Business Fundamentals		
BAT4M1	Financial Accounting Principles	BAF3M1	
BDV4C1	Entrepreneurship: Venture Planning in an Electronic Age		
BOH4M1	Business Leadership: Management Fundamentals		
CGR4M1	The Environment and Resource Management	gr 11 U/M in CWS/ENG/Social Science	
CGW4C1	World Issues: A Geographic Analysis	CGC1D1 or CGC1P1	
CGW4U1	World Issues: A Geographic Analysis	gr 11 U/M in CWS/ENG/Social Science	
CHI4UE	Canada: History, Identity & Culture	gr 11 U/M in CWS/ENG/Social Science	
CHY4C1	World History since the 15 th Century	gr 11 U/M/C in CWS/ENG/Social Science	
CHY4U1/2	World History since the 15 th Century	gr 11 U/M in CWS/ENG/Social Science	
CIA4U1	Economics	gr 11 U/M in CWS/ENG/Social Science	
CLN4C1	Legal Studies	CHV2O1	
CLN4U1	Canadian and International Law	gr 11 U/M in CWS/ ENG/Social Science	CLU3M1
ENG4C1	English	ENG3U1 or ENG3C1	
ENG4E1	English	ENG4E1	
ENG4U1/2/S	English	ENG3U1	
ETS4C1	Studies in Literature	ENG3C1	
ETS4U1	Studies in Literature	ENG3U1	
EWC4U1	The Writer's Craft	ENG3U1	
FEF4UF	Extended French	FEF3U1	
FSF4U1/2	French	FSF3U1	
GLN4O1	Navigating the Workplace		
HFA4C1	Nutrition and Health	gr 11 U/M/C in CWS/ENG/Social Science	HFN2O1
HFA4U1	Nutrition and Health	gr 11 U/M in CWS/ENG/Social Science	HFN2O1
HHS4C1	Families in Canada	gr 11 U/M/C in CWS/ENG/Social Science	
HPD4C1	Working with School Aged Children and Adolescents	gr 11 U/M/C in CWS/ENG/Social Science	
HRE4M1/F	Religion: Church and Culture		
HRE4O1	Religion: Church and Culture		
HSB4U1	Challenge & Change in Society	gr 11 U/M in CWS/ ENG /Social Science	
HSE4M1	Equity & Social Justice	gr 11 U/M in CWS/ ENG /Social Science	
HZT4U1	Philosophy	gr 11 U/M in CWS/ ENG /Social Science	
ICS4UE	Computer Science	ICS3U1	
IDC4U1*	Film and Documentary Studies	gr 11 U/M course	ASM3M1 or ASM3M2
IDC4U2*	Peer Tutoring	gr 11 U ENG/MAT/SNC	
LWSDU1	Spanish	LWSCU1	
MAP4C1	Foundations for College Mathematics	MBF3C1	
MCT4CD	Mathematics for College Technology	MCR3U1 or MCF3M1	
MCV4U1/2	Calculus and Vectors	MCR3U1/2 and MHF4U1/2	
MDM4U1/E	Mathematics of Data Management	MCR3U1 or MCF3M1	
MEL4E1	Mathematics for Everyday Life	MEL3E1	
MHF4U1/2	Advanced Functions	MCR3U1/2	
NDG4M1	Aboriginal Governance: Emerging Directions	gr 11 U/M in CWS/ ENG /Social Science	
OLC4O1	Ontario Secondary School Literacy Course	see course description for eligibility	
PAF4O3	Cardiovascular and Strength Training		
PLF4M3	Recreation and Fitness Leadership	gr 11/12 Phys Ed course	
PPL4O3	Healthy Active Living Education		
PSK4U3	Exercise Science	gr 11 U/M Science or gr 11/12 Phys Ed	
SBI4U1/2	Biology	SBI3U1	SCH3U1
SCH4C1	Chemistry	SNC2D1 or SNC2P1	
SCH4U1/2	Chemistry	SCH3U1	

SES4U1	Earth and Space Science	SNC2D1
SNC4E1	Science	SVN3E1 or SNC2P1 or SNC2L1
SNC4M1	Science [Health Science]	SNC2D1 or gr 11 U/M/C Science
SPH4C1	Physics	SNC2D1 or SNC2P1
SPH4U1/2	Physics	SPH3U1
TCJ4C1	Construction Engineering Technology	TCJ3C1
TDJ4M1	Technological Design	TDJ3M1
TER4M1	Computer Engineering Tech: Robotics & Control Systems	TEJ3M1
TGJ4M1	Communications Technology [Website Design]	TGJ3M1
TWJ4E1	Custom Woodworking	TWJ3E1

* Students enrolled in both courses will only receive one credit towards their diploma.

What does a COURSE CODE really mean?



Proud Home of the Cougars