

Course Code	Course Name	Grade	Type	Department	Prerequisite	Description
AMU1O1	Music	9	Open	Art	None	This course emphasizes the performance of music at a level that strikes a balance between challenge and skill and is aimed at developing technique, sensitivity, and imagination. Students will participate in creative activities that teach them to listen with understanding. They will also learn correct musical terminology and its appropriate use.
AVI1O1	Visual Arts- Comprehensive	9	Open	Art	None	This course offers 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 through working with a range of materials, processes, techniques, and styles. They will learn and use methods of analysis and criticism and will study the characteristics of particular historical art periods and a selection of Canadian art and the art of other cultures.
BB1O1	Introduction to Business	9	Open	Business Studies	None	This course introduces students to the world of business. Students will develop an understanding of the functions of business, including accounting, marketing, information and communication 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.
BTT1O1	Information Communication Technology	9	Open	Business Studies	None	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.
CGC1D1	Issues in Canadian Geography	9	Academic	Canadian & World Studies	None	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.
CGC1DA	Issues in Canadian Geography	9	Pre-AP	Canadian & World Studies	Pre-AP application must be submitted to the Vice Principal	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.
CGC1DF	Issues in Canadian Geography (Extended French)	9	Academic	Canadian & World Studies	Grade 5-8 Extended French Program Participant (Or Equivalent)	La Géographie du Canada (French) 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	Issues in Canadian Geography	9	Applied	Canadian & World Studies	None	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.
ENG1D1	English	9	Academic	English	None	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 considering moving from one destination to another (e.g., applied to academic; academic to applied) are strongly encouraged to take a summer school course to encourage success in the transition.
ENG1DA	English	9	Pre-AP	English	Pre-AP application must be submitted to the Vice Principal	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.
ENG1L1	English	9	Locally Developed	English	None	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.

Course Code	Course Name	Grade	Type	Department	Prerequisite	Description
ENG1P1	English	9	Applied	English	None	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 considering moving from one destination to another (e.g., applied to academic; academic to applied) are strongly encouraged to take a summer school course to encourage success in the transition.
FEF1DF	Extended French	9	Academic	Moderns	Grade 5-8 Extended French Program Participant (Or Equivalent)	This course provides opportunities for students to speak and interact in French in a variety of real-life and personally relevant contexts. Students will continue to use language-learning strategies introduced in the elementary Extended French program. They will develop their creative and critical thinking skills, through independently responding to and interacting with a variety of oral and written texts, and will continue to enhance their understanding and appreciation of diverse French-speaking communities. They will also develop the skills necessary to become life-long language learners. Prerequisite: Minimum of 1260 hours of instruction in elementary Extended French, or equivalent.
FSF1D1	Core French	9	Academic	Moderns	None	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 develop their skills in listening, speaking, reading, and writing 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 skills necessary for lifelong language learning. Prerequisite: Minimum of 600 hours of elementary Core French instruction, or equivalent.
FSF1DA	Core French	9	Pre-AP	Moderns	Pre-AP application must be submitted to the Vice Principal	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 develop their skills in listening, speaking, reading, and writing 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 skills necessary for lifelong language learning. Prerequisite: Minimum of 600 hours of elementary Core French instruction, or equivalent.
FSF1O1	Core French	9	Open	Moderns	Must be considered an ESL Student	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 skills in listening, speaking, reading, and writing through discussing issues and situations that are relevant to their daily lives. Throughout the course, students will develop their awareness of diverse Frenchspeaking communities in Canada and acquire an understanding and appreciation of these communities. They will also develop a variety of skills necessary for lifelong language learning.
FSF1P1	Core French	9	Applied	Moderns	None	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. Prerequisite: Minimum of 600 hours of elementary Core French instruction, or equivalent.
GLE1O1	Learning Strategies (Special Education)	9	Open	Special Education	Must have an Individual Education Plan in place	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.
GLS1O1	Learning Strategies	9	Open	Guidance and Career Education	None	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.
HFN1O1	Food and Nutrition	9	Open	Social Sciences & Humanities	None	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.

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HRE1O1	Religious Education	9	Open	Religion	None	This course uses the Beatitudes as a framework to examine the attitudes and actions that characterize the Christian life. Students will derive knowledge and skills from a study of Scripture, Profession of Faith, Christian Moral Development, Prayer, Sacramental Life, and Family Life. Students are encouraged to grow in Gospel values while actively engaging in a variety of challenging educational activities.
MAT1L1	Mathematics	9	Locally Developed	Mathematics	None	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.
MFM1P1	Foundations of Mathematics	9	Applied	Mathematics	None	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. 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. Successful completion of this course prepares students for Foundations of Mathematics, Grade 10, Applied.
MPM1D1	Principles of Mathematics	9	Academic	Mathematics	None	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. Successful completion of this course prepares students for Principles of Mathematics, Grade 10, Academic (MPM2D) or Foundations of Mathematics, Grade 10, Applied (MFM2P). Learning through abstract reasoning is an important aspect of this course.
MPM1DA	Principles of Mathematics	9	Pre-AP	Mathematics	Pre-AP application must be submitted to the Vice Principal	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.
NAC1O1	Expressions of First Nations, Métis, and Inuit Cultures	9	Open	Art	None	This course will explore a variety of contemporary and traditional First Nations, Métis, and Inuit art forms such as new media, storytelling, installation and performance art. Students will examine the interrelationships between Aboriginal art forms and individual and cultural identities and values. They will create art works to express their own ideas and understanding of Aboriginal identity, relationships, and sovereignty by using a range of media, processes, techniques, and styles.
PAL1OS	Large Group Activities - Soccer	9	Open	Physical Education	None	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. The focus of this course is the game of soccer and related skills.
PAL1OT	Large Group Activities - Football	9	Open	Physical Education	None	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. The focus of this course is the game of football and related skills.
PPL1OF	Healthy Active Living Female	9	Open	Physical Education	None	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.

Course Code	Course Name	Grade	Type	Department	Prerequisite	Description
PPL10M	Healthy Active Living Male	9	Open	Physical Education	None	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.
SNC1D1	Science	9	Academic	Science	None	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.
SNC1DA	Science	9	Pre-AP	Science	Pre-AP application must be submitted to the Vice Principal	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.
SNC1L1	Science	9	Locally Developed	Science	None	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.
SNC1P1	Science	9	Applied	Science	None	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.
TIJ1O1	Exploring Technologies	9	Open	Technological Education	None	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.
ADA2O1	Drama	10	Open	Art	None	This course requires students to actively explore dramatic forms and techniques, using their own ideas and concerns as well as sources selected from a wide range of authors, genres, and cultures. Student learning will include identifying and using the principles of space, time, voice, and movement in creating, sustaining, and communicating authentic roles within a drama. Students will assume responsibility for decisions made in the creation and presentation of the drama, and will analyse and reflect on the experience.
AMG2O1	Guitar Music	10	Open	Art	None	This course emphasizes performance of music at an intermediate level that strikes a balance between challenge and skill. Student learning will include participating in creative activities and listening perceptively. Students will also be required to develop a thorough understanding of the language of music, including the elements, terminology, and history. The focus of this course will be on Guitar.
AMR2O1	Music -Repertoire	10	Open	Art	Some music training required	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.
AMV2O1	Music: Vocal/Choral	10	Open	Art	None	This course emphasizes performance of music at an intermediate level that strikes a balance between challenge and skill. Student learning will include participating in creative activities and listening perceptively. Students will also be required to develop a thorough understanding of the language of music, including the elements, terminology, and history. The focus of this course will be on vocal music.

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AVI201	Visual Arts-Comprehensive	10	Open	Art	None	This course emphasizes learning through practice; building on what students know; and introducing them to new ideas, materials, and processes for artistic thinking and experimentation. Student learning will include the refined application of the elements and principles of design, incorporating the creative and design processes, and the relationship between form and content. Students will also learn about the connections between works of art and their historical contexts. Course objectives may be achieved either through a comprehensive program or through a program focused on a particular art form (e.g., drawing, painting).
BBI201	Introduction to Business	10	Open	Business Studies	None	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.
BTT201	Information Communication Technology	10	Open	Business Studies	None	This course introduces students to the use of information technology in a business environment. Students will learn how to use information technology in a work environment, perform electronic research, communicate electronically, and use common business software. They will also explore possible future occupations in information technology.
CHC2D1	Canadian History since World War I	10	Academic	Canadian & World Studies	None	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.
CHC2DA	Pre-AP Canadian History since World War I	10	Pre-AP	Canadian & World Studies	ENG1DA, CGC1DA or permission from the Vice Principal	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. Students that do not have the prerequisite for this course must complete a separate application to be considered for entry into this PRE-AP program. Please see a Guidance Counsellor in Student Services.
CHC2DF	Canadian History Since WWI (Extended French)	10	Academic	Canadian & World Studies	None	This Extended French 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.
CHC2P1	Canadian History since World War I	10	Applied	Canadian & World Studies	None	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.
CHV2O5	Civics and Citizenship (0.5 credit)	10	Open	Canadian & World Studies	None	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.
ENG2D1	English	10	Academic	English	ENG1D1, ENG1DA, 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. Students considering moving from one destination to another (e.g., applied to academic; academic to applied) are strongly encouraged to take a summer school course to encourage success in the transition.

Course Code	Course Name	Grade	Type	Department	Prerequisite	Description
ENG2DA	English	10	Pre-AP	English	ENG1DA or permission from the Vice Principal	This is a Pre-AP course. 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. Students considering moving from one destination to another (e.g., applied to academic; academic to applied) are strongly encouraged to take a summer school course to encourage success in the transition.
ENG2L1	English	10	Locally Developed	English	ENG1L1,ENG1P1	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 English Grade 11 Workplace Preparation course. The course is organized by strands that extend listening and talking 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.
ENG2P1	English	10	Applied	English	ENG1D1, 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. Students considering moving from one destination to another (e.g., applied to academic; academic to applied) are strongly encouraged to take a summer school course to encourage success in the transition.
FEF2DF	Extended French	10	Academic	Moderns	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. Prerequisite: Extended French, Grade 9, Academic
FSF2D1	Core French	10	Academic	Moderns	FSF1D1, 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.
FSF2DA	Core French	10	Pre-AP	Moderns	FSF1DA or Permission from the Vice-Principal	This is a Pre-AP course. 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.
FSF2P1	Core French	10	Applied	Moderns	FSF1D, FSF1P	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 develop their skills in listening, speaking, reading, and writing through using language learning strategies for understanding texts and communicating clearly. They will also increase their understanding and appreciation of diverse French-speaking communities, and will develop skills necessary for lifelong language learning.
GLC2O5	Career Studies(0.5 credit)	10	Open	Guidance and Career Education	None	This course teaches students how to develop and achieve personal goals in education and work and contribute to their communities. Student learning will include assessing their own knowledge, skills, and characteristics and investigating economic trends, workplace organization, work opportunities, and ways to search for work. The course explores postsecondary learning options, prepares students for community-based learning, and helps them build the capabilities needed for managing work and life transitions. Students will design action plans for pursuing their goals.
GLE2O1	Learning Strategies	10	Open	Special Education	None	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.

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HIF201	Exploring Family Studies	10	Open	Social Sciences & Humanities	None	This course explores, within the context of families, some of the fundamental challenges people face: how to meet basic needs, how to relate to others, how to manage resources, and how to become responsible members of society. Students will explore adolescent development and will have opportunities to develop interpersonal, decision-making, and practical skills related to daily life. They will learn about the diverse ways in which families function in Canada and will use research skills as they explore topics related to individual and family needs and resources.
HNL20	Clothing	10	Open	Social Sciences & Humanities	None	This course introduces students to the world of clothing. Students will gain knowledge about clothing and demonstrate basic skills associated with various techniques and technologies used to create garments and accessories. Students will learn about the functions of clothing and accessories and what clothing communicates about the wearer. They will learn how to enhance their personal wardrobe by assessing garment quality, developing shopping strategies, and developing an understanding of the advantages and disadvantages of various retail formats. Students will develop research skills as they investigate topics related to clothing.
HRE201	Religious Education	10	Open	Religion	None	This course examines the relationship between the person and message of Christ and the dominant attitudes of contemporary culture. Beginning with the Gospel narratives as a foundation, students acquire a deeper and more systematic knowledge of Christ, his message and his Church. Connections between the living Church and contemporary culture are explored in terms of what it means to be a responsible adolescent developing within a community of disciples in the context of a secular, pluralistic world. In the Family Life Education strand, students explore a variety of topics related to the themes of personhood, interpersonal relationships and sexuality.
ICS201	Introduction to Computer Studies	10	Open	Technological Education	None	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.
LWIBD1	Italian	10	Academic	Moderns	None	This course enables students to develop competence in listening, speaking, reading, and writing in the language of study. Students will continue to participate in interactive activities in which they can apply and develop their language skills to communicate with native speakers of the language. They will explore aspects of culture in regions of the world where the language is spoken, including social customs, food, sports and leisure activities, popular festivals, and music. Although students will expand their vocabulary and knowledge of linguistic elements, the language they will use at this level will still be simple.
MAT2L1	Mathematics	10	Locally Developed	Mathematics	MAT1L1, MFM1P1, MPM1D1	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 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 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.
MFM2P1	Foundations of Mathematics	10	Applied	Mathematics	MFM1P1, MPM1D1	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.
MPM2D1	Principles of Mathematics	10	Academic	Mathematics	MPM1D1, MPM1DA	This course enables students to broaden their understanding of relations, extend their skills in multi-step problem solving, and continue to develop their abilities in abstract reasoning. Students will pursue investigations of quadratic functions and their applications; solve and apply linear systems; solve multi-step problems in analytic geometry to verify properties of geometric figures; investigate the trigonometry of right and acute triangles; and develop supporting algebraic skills.
MPM2DA	Principles of Mathematics	10	Pre-AP	Mathematics	MPM1DA or Permission from the Vice-Principal	This is a Pre-AP course. This course enables students to broaden their understanding of relations, extend their skills in multi-step problem solving, and continue to develop their abilities in abstract reasoning. Students will pursue investigations of quadratic functions and their applications; solve and apply linear systems; solve multi-step problems in analytic geometry to verify properties of geometric figures; investigate the trigonometry of right and acute triangles; and develop supporting algebraic skills.
PAL2OB	Large Group Activities - Basketball	10	Open	Physical Education	None	This course emphasizes regular participation in basketball and development of basketball skills, as well as fitness training. Student learning will include the application of movement principles to refine the skills. This will be achieved through sport specific fitness training and application of various sport strategies. The goal of the course is to enhance fitness and health. The health component of the course will include: 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. PAL 2OB is open to both girls and boys. Students may earn more than one physical education credit in each of the grade levels where the first 3 digits in the course code are different.

Course Code	Course Name	Grade	Type	Department	Prerequisite	Description
PAL2OH	Large Group Activities - Hockey	10	Open	Physical Education	Should have some training in focus area	This large group activity has a hockey focus. Particular attention will be paid to the technical and tactical components of hockey. Technical components include: skating, passing, shooting etc. Tactical components include offensive and defensive strategies as they pertain to hockey. Physical conditioning and weight training will also be incorporated into this course. Health topics will focus on fitness, nutrition and anatomy. Students will be required to pay an activity fee to cover the cost of ice rental. Prior hockey/skating experience is highly recommended. Students may earn more than one physical education credit in each of the grade levels where the first 3 digits in the course code are different.
PPL2OF	Healthy Active Living Female	10	Open	Physical Education	None	This course enables students to further develop the knowledge and skills they need to make healthy choices now and lead healthy, active lives in the future. Through participation in a wide range of physical activities, students develop knowledge and skills related to movement competence and personal fitness that provide a foundation for active living. Students also acquire an understanding of the factors and skills that contribute to healthy development and learn how their own well-being is affected by, and affects, the world around them. Students build their sense of self, learn to interact positively with others, and develop their ability to think critically and creatively.
PPL2OM	Healthy Active Living Male	10	Open	Physical Education	None	This course enables students to further develop the knowledge and skills they need to make healthy choices now and lead healthy, active lives in the future. Through participation in a wide range of physical activities, students develop knowledge and skills related to movement competence and personal fitness that provide a foundation for active living. Students also acquire an understanding of the factors and skills that contribute to healthy development and learn how their own well-being is affected by, and affects, the world around them. Students build their sense of self, learn to interact positively with others, and develop their ability to think critically and creatively.
SNC2D1	Science	10	Academic	Science	SNC1D1, SNC1P1, SNC1DA	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.
SNC2DA	Science	10	Pre-AP	Science	SNC1DA or permission from the Vice Principal	This is a Pre-AP course. 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.
SNC2L1	Science	10	Locally Developed	Science	SNC1L	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.
SNC2P1	Science	10	Applied	Science	SNC1D1, 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.
TCJ2O1	Construction Technology	10	Open	Technological Education	None	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	Technological Design	10	Open	Technological Education	None	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 learn about secondary and postsecondary education and training leading to careers in the field.

Course Code	Course Name	Grade	Type	Department	Prerequisite	Description
TFJ201	Hospitality and Tourism	10	Open	Technological Education	None	This course provides students with opportunities to explore different areas of hospitality and tourism, as reflected in the various sectors of the tourism industry, with an emphasis on food service. Students will study culinary techniques of food handling and preparation, health and safety standards, the use of tools and equipment, the origins of foods, and event planning, and will learn about tourism attractions across Ontario. Students will develop an awareness of related environmental and societal issues, and will explore secondary and post secondary pathways leading to careers in the tourism industry.
TGJ201	Communications Technology	10	Open	Technological Education	None	This course introduces students to communications technology from a media perspective. Students will work in the areas of TV/video and movie production, radio and audio production, print and graphic communications, photography, and animation. Student projects may include computer-based activities such as creating videos, editing photos, working with audio, cartooning, developing animations, and designing web pages. Students will also develop an awareness of environmental and societal issues related to communicationstechnology and explore secondary and postsecondary education and training pathways and career opportunities in the various communications technology fields.
TTJ201	Transportation Technology	10	Open	Technological Education	None	This course introduces students to the service and maintenance of vehicles, aircraft, and/or watercraft. Students will develop knowledge and skills related to the construction and operation of vehicle/craft systems and learn maintenance and repair techniques. Student projects may include the construction of a self-propelled vehicle or craft, engine service, tire/wheel service, electrical/battery service, and proper body care. Students will develop an awareness of related environmental and societal issues and will explore secondary and postsecondary pathways leading to careers in the transportation industry.
TXJ201	Hairstyling and Aesthetics	10	Open	Technological Education	None	This course presents hairstyling, make-up, and nail care techniques from a salon/spa perspective. Through a variety of school and community-based activities, students learn fundamental skills in hairstyling, giving manicures and facials and providing hair/scalp analyses, and treatments. Students also consider related environmental and societal issues and explore secondary and postsecondary pathways leading to careers in the field of hairstyling and aesthetics.
ADA3M1	Drama	11	University/College	Art	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.
AMG3O1	Guitar Music	11	University/College	Art	AMG201	This course develops students' musical literacy through performance and the preparation and presentation of music productions. Students will perform works at a level consistent with previous experience. Independently and collaboratively, students will use current technology and the creative and critical analysis processes to plan, produce, present, and market musical productions. Students will respond to, reflect on, and analyse music from various genres and periods, and they will develop skills transferable to other aspects of their life and their careers. Students will work with guitars and computers to continue to gain an appreciation of music and music creativity.
AMR3M1	Music -Repertoire	11	University/College	Art		This course emphasizes the appreciation, analysis, and performance of various kinds of music, including baroque and classical music, popular music, and Canadian and non-Western music. Students will perform technical exercises and appropriate repertoire, complete detailed creative activities, and analyse and evaluate live and recorded performances. They will continue to increase their understanding of the elements of music while developing their technical and imaginative abilities.
AMT3M1	Musical Theatre	11	University/College	Art		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. This course focuses on Music Theatre.
ASM3M1	Media Arts	11	University/College	Art		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 values.
AVI3M1	Visual Arts-Comprehensive	11	University/College	Art	AVI1O1, AVI2O1	This course provides students with opportunities to further develop their skills and knowledge in visual arts. Students will explore a range of subject matter through studio activities, and will consolidate their practical skills. Students will also analyse art works and study aspects of Western art history, as well as art forms from Canada and other parts of the world.
AWA3O1	Visual Arts - Crafts	11	Open	Art	None	This course focuses on studio activities in one or more of the visual arts, including drawing, painting, sculpture, photography, printmaking, collage, and/or multimedia art. Students will use the creative process to create art works that reflect a wide range of subjects and will evaluate works using the critical analysis process. Students will also explore works of art within a personal, contemporary, historical, and cultural context.

Course Code	Course Name	Grade	Type	Department	Prerequisite	Description
AWQ3M1	Visual Arts - Photography	11	University/College	Art	AVI1O1, AVI2O1	This course will introduce students to digital photography using digital cameras and computer systems. Technical, creative, visual and historical elements of photography will be explored. Students will learn how to use digital cameras, lighting systems, digital editing and photo colour printing. Topics covered will include lenses, mega-pixels, inkjet printing and basic Photoshop techniques. Tying this together will be a review of the work of a wide variety of contemporary photographers. Students will learn in a project based hands on environment
BAF3M1	Financial Accounting Fundamentals	11	University/College	Business Studies	None	This course introduces students to the fundamental principles and procedures of accounting, with emphasis on accounting procedures used in service and merchandising businesses. Students will develop an understanding of the connections between financial analysis, control, and decision making in the management of a business, as well as the effects of technology and globalization on accounting procedures and the role of the accountant.
BDI3C1	Entrepreneurship: The Venture	11	College	Business Studies	None	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 personal goals by satisfying the needs of others. Students will learn about values, traits, and skills most often associated with successful entrepreneurial activity.
BMI3C1	Marketing: Goods, Services, Events	11	College	Business Studies	None	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.
CGF3M1	Physical Geography: Patterns, Processes, and Interactions	11	University/College	Canadian & World Studies	CGC1D1, CGC1DF, CGC1P1	This course examines the major patterns of physical geography and the powerful forces that affect them. Students will investigate the dynamic nature of the earth, the evolving relationship between the planet and its people, and the factors that limit our ability to predict the changes that will occur. Students will use a wide range of geotechnologies and inquiry methods to investigate the distribution and interaction of the elements of their physical environment and to communicate their findings.
CHA3U1	American History	11	University	Canadian & World Studies	CHC2D1, CHC2DA, CHC2DF	This course traces the social, economic, and political development of the United States from colonial times to the present. Students will examine issues of diversity, identity, and culture that have influenced the country's social and political formation and will consider the implications of its expansion into a global superpower. Students will use critical-thinking and communication skills to determine causal relationships, evaluate multiple perspectives, and present their own points of view.
CHW3M1	World History to the End of the Fifteenth Century	11	University/College	Canadian & World Studies	CHC2D1, CHC2P1	This course explores the history of various societies and civilizations around the world, from earliest times to around 1500 CE. Students will investigate a range of factors that contributed to the rise, success, and decline of various ancient and pre-modern societies throughout the world and will examine life in and the cultural and political legacy of these societies. 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.
CHW3MA	World History to the End of the Fifteenth Century	11	Pre-AP	Canadian & World Studies	CHC2DA	This is a Pre-AP course. This course explores the history of various societies and civilizations around the world, from earliest times to around 1500 CE. Students will investigate a range of factors that contributed to the rise, success, and decline of various ancient and pre-modern societies throughout the world and will examine life in and the cultural and political legacy of these societies. 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.
CIE3M1	Economics: The Individual and the Economy	11	University/College	Canadian & World Studies	CHC2D1, CHC2P1	This course examines the changing Canadian economy and helps students develop an understanding of their own role as economic agents. Students will apply economic models and concepts to assess the roles of the various stakeholders in the Canadian economy and analyze the interactions among them. Students will consider the economic behaviour of the individual as consumer contributor, and citizen in a mixed economy and will apply economic inquiry, critical-thinking and communication skills to make and defend informed economic decisions.
CLU3M1	Understanding Canadian Law	11	University/College	Canadian & World Studies	CHC2D1, 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 laws relating to rights and freedoms in Canada; our legal system; and family, contract, employment, tort, and criminal law. Students will develop legal reasoning skills and will apply the concepts of legal thinking and the legal studies inquiry process when investigating a range of legal issues and formulating and communicating informed opinions about them.
EMS3O1	Media Studies	11	Open	English	ENG2D1, 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 analyzing 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.

Course Code	Course Name	Grade	Type	Department	Prerequisite	Description
ENG3C1	English	11	College	English	ENG2D1, ENG2P1	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	English	11	Workplace	English	ENG1L1, ENG2L1, ENG2P1	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 course. Students who have successfully completed ENG2L may also select this course.
ENG3U1	English	11	University	English	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.
ENG3UA	English	11	Advanced Placement	English	ENG2DA	This is a Pre-AP course. 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.
FEF3U1	Extended French	11	University	Moderns	FEF2D1	This course provides opportunities for students to communicate about concrete and abstract topics in various situations. Students will consolidate and refine their skills in listening, speaking, reading, and writing by applying language learning strategies, as well as creative and critical thinking skills, in a variety of real-life contexts. Students will develop their knowledge of the French language through the study of contemporary French authors and well-known French European authors. They will also deepen their understanding and appreciation of diverse French-speaking communities, and will develop skills necessary for lifelong language learning.
FSF3U1	Core French	11	University	Moderns	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.
FSF3UA	Core French	11	University	Moderns	FSF2DA	This is a Pre-AP course. 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.
GLE3O1	Advanced Learning Strategies	11	Open	Special Education	Must have Individual Education Plan in place	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.
HNC3C1	Understanding Fashion	11	College	Social Sciences & Humanities	None	This course introduces students to the world of fashion. Students will gain an understanding of theories related to fashion trends and of how culture, media, fashion cycles, retailing, and social and environmental factors influence fashion trends and consumer behaviour. Students will use various tools, technologies, and techniques safely and correctly to create fashion items. In addition, students will apply knowledge of fibres, fabrics, and the elements and principles of design when creating and assessing fashion-related products. Students will develop research skills as they investigate topics related to fashion.
HPC3O1	Raising Healthy Children	11	Open	Social Sciences & Humanities	None	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.

Course Code	Course Name	Grade	Type	Department	Prerequisite	Description
HRF3O1	World Religions and Belief Traditions in Daily Life	11	Open	Religion	None	This course enables students to study world religions and belief traditions in local, Canadian, and global contexts. Students will explore aspects of the human quest for meaning and will examine world religions and belief traditions as exemplified in various sacred teachings and principles, rites, and passages. They will also study the interaction throughout history between society and various belief traditions, and will have opportunities to develop research and inquiry skills related to the study of world religions and belief traditions.
HRT3M1	World Religions and Belief Traditions	11	University/College	Religion	None	This course provides students with opportunities to explore various world religions and belief traditions. Students will develop knowledge of the terms and concepts relevant to this area of study, will examine the ways in which religions and belief traditions meet various human needs, and will learn about the relationship between belief and action. They will examine sacred writings and teachings, consider how concepts of time and place influence different religions and belief traditions, and develop research and inquiry skills related to the study of human expressions of belief.
HRT3MF	World Religions and Belief Traditions (French)	11	University/College	Religion	CHC2DF	This course enables students to discover what others believe and how they live, and to appreciate their own unique heritage. Students will learn about the teachings and traditions of a variety of religions, the connections between religion and the development of civilizations, the place and function of religion in human experience, and the influence of a broad range of religions on contemporary society. This course also introduces students to skills used in researching and investigating world religions.
HSP3C1	Introduction to Anthropology, Psychology	11	Social Sciences & Humanities	Social Sciences & Humanities	None	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	Introduction to Anthropology, Psychology	11	University	Social Sciences & Humanities	CHC2D1, 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.
HZB3M1	Philosophy: The Big Questions	11	University/College	Social Sciences & Humanities		This course encourages exploration of philosophy's big questions, such as: What is a meaningful life? What separates right from wrong? What constitutes knowledge? What makes something beautiful? What is a just society? Students will develop critical thinking and philosophical reasoning skills as they identify and analyse the responses of philosophers to the big questions and formulate their own responses to them. Students will explore the relevance of philosophical questions to society and to their everyday life. They will develop research and inquiry skills as they investigate various topics in philosophy.
ICS3C1	Introduction to Computer Studies	11	College	Technological Education	None	This course introduces students to computer programming concepts and practices. Students will write and test computer programs, using various problem-solving strategies. They will learn the fundamentals of program design and apply a software development life-cycle model to a software development project. Students will also learn about computer environments and systems, and explore environmental issues related to computers, safe computing practices, emerging technologies, and postsecondary opportunities in computer-related fields.
ICS3U1	Introduction to Computer Studies	11	University	Technological Education		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.
LWICU1	Italian	11	University	Moderns	LWIBD1	This course provides students with opportunities to further develop their communication skills in the international language and increase their confidence in applying them in a variety of practical situations, including contexts related to future employment. Students will engage in a variety of activities and use resources that will allow them to use the language in various real-life situations. They will also continue to explore aspects of the culture of countries where the language is spoken, and investigate careers that require facility in the language.
MBF3C1	Foundations for College Math	11	College	Mathematics	MFM2P1, MPM2D1	This course enables students to broaden their understanding of exponential growth and of important areas of personal finance. Students will investigate properties of exponential functions and develop skills in manipulating exponential expressions; solve problems and investigate financial applications involving compound interest and annuities; and apply mathematics in making informed decisions about transportation, accommodation, and career choices.
MCF3M1	Functions & Applications	11	University/College	Mathematics	MFM2P1, MPM2D1	This course introduces some financial applications of mathematics and extends students' experiences with functions. Students will solve problems in personal finance involving applications of sequences and series; investigate properties and applications of trigonometric functions; develop facility in operating with polynomials, rational expressions, and exponential expressions; develop an understanding of inverses and transformations of functions; and develop facility in using function notation and in communicating mathematical reasoning.

Course Code	Course Name	Grade	Type	Department	Prerequisite	Description
MCR3U1	Functions	11	University	Mathematics	MPM2D1	This course introduces some financial applications of mathematics, extends students' experiences with functions, and introduces second-degree relations. Students will solve problems in personal finance involving applications of sequences and series; investigate properties and applications of trigonometric functions; develop facility in operating with polynomials, rational expressions, and exponential expressions; develop an understanding of inverses and transformations of functions; and develop facility in using function notation and in communicating mathematical reasoning. Students will also investigate loci and the properties and applications of conics.
MCR3UA	Functions	11	Advanced Placement	Mathematics	MPM2DA	This is a Pre-AP course. This course introduces some financial applications of mathematics, extends students' experiences with functions, and introduces second-degree relations. Students will solve problems in personal finance involving applications of sequences and series; investigate properties and applications of trigonometric functions; develop facility in operating with polynomials, rational expressions, and exponential expressions; develop an understanding of inverses and transformations of functions; and develop facility in using function notation and in communicating mathematical reasoning. Students will also investigate loci and the properties and applications of conics.
MEL3E1	Mathematics for Everyday Life	11	Workplace	Mathematics	MAT2L1, MFM2P1, MPM2D1	This course enables students to broaden their understanding of mathematics as it is applied in important areas of day-to-day living. 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.
NBE3U1	English: Contemporary First Nations, Métis, and Inuit Voices	11	University	English	ENG2D1	This course explores themes, forms, and stylistic elements of a range of literary, informational, graphic, oral, cultural, and media texts from and related to First Nations, Métis, and Inuit cultures in Canada. Students will analyse the changing use of text forms by Aboriginal authors from various periods and cultures to express themes such as identity, relationships, and sovereignty. Students will create oral, written, and media texts to explore their own ideas and understanding, focusing on the development of literacy, communication, and critical and creative thinking skills necessary for success in academic and daily life. The course is intended to prepare students for the compulsory Grade 12 English university or college preparation course.
NGC3O1	Cooperative Education	11	Open	Guidance and Career Education	None	Cooperative Education is a unique learning opportunity that extends the learning in one or more related subjects into the workplace. The opportunity to experience business, industry and the community helps students explore career options and gather information they need to make informed decisions about their post secondary destination. Students increase their self-knowledge while developing valuable transferable skills and gain an understanding of the importance of attitude, teamwork and personal management skills in the workplace. Cooperative Education - This is a 2 credit course. Please complete the Cooperative Education Application available in Student Services and submit it with your other Course Selection materials.
PAF3OB	Healthy Living and Personal and Fitness Activities: Weight Training (Male)	11	Open	Physical Education	None	This is a male program that focuses on improving personal fitness - cardiovascular endurance, strength, flexibility and nutrition. Designing fitness and conditioning programs to meet individual needs through a variety of activities and weight training techniques will be the main emphasis of this course. This course enables students to further develop the knowledge and skills they need to make healthy choices now and lead healthy, active lives in the future. Through participation in a wide range of physical activities and exposure to a broader range of activity settings, students enhance their movement competence, personal fitness, and confidence. Students also acquire an understanding of the factors and skills that contribute to healthy development and learn how their own well-being is affected by, and affects, the world around them. Students build their sense of self, learn to interact positively with others, and develop their ability to think critically and creatively.
PAF3OF	Personal and Fitness Activities	11	Open	Physical Education	None	This course enables students to further develop the knowledge and skills they need to make healthy choices now and lead healthy, active lives in the future. Through participation in a wide range of physical activities and exposure to a broader range of activity settings, students enhance their movement competence, personal fitness, and confidence. Students also acquire an understanding of the factors and skills that contribute to healthy development and learn how their own well-being is affected by, and affects, the world around them. Students build their sense of self, learn to interact positively with others, and develop their ability to think critically and creatively. This course will focus on an introduction to a variety of personal and fitness activities involving resistance, strength and endurance training, such as weightlifting, training program development, exercise bands, pilates, tabata, etc.
PAF3OG	Healthy Living and Personal and Fitness Activities: Weight Training (Female)	11	Open	Physical Education	None	This is a female program that focuses on improving personal fitness - cardiovascular endurance, strength, flexibility and nutrition. Designing fitness and conditioning programs to meet individual needs through a variety of activities and weight training techniques will be the main emphasis of this course. This course enables students to further develop the knowledge and skills they need to make healthy choices now and lead healthy, active lives in the future. Through participation in a wide range of physical activities and exposure to a broader range of activity settings, students enhance their movement competence, personal fitness, and confidence. Students also acquire an understanding of the factors and skills that contribute to healthy development and learn how their own well-being is affected by, and affects, the world around them. Students build their sense of self, learn to interact positively with others, and develop their ability to think critically and creatively.

Course Code	Course Name	Grade	Type	Department	Prerequisite	Description
PAI3OR	Individual and Small Group Activities: Recreation and Leisure Activities	11	Open	Physical Education	None	This co-educational course enables students to further develop the knowledge and skills they need to make healthy choices now and lead healthy, active lives in the future. Through participation in a wide range of physical activities and exposure to a broader range of activity settings, students enhance their movement competence, personal fitness, and confidence. Students also acquire an understanding of the factors and skills that contribute to healthy development and learn how their own well-being is affected by, and affects, the world around them. Students build their sense of self, learn to interact positively with others, and develop their ability to think critically and creatively. The course will focus on a variety of individual, dual, and small group activities, such as golf, bowling, archery, billiards, ultimate Frisbee, wall climbing, and athletics.
PAL3OB	Large Group Activities: Basketball	11	Open	Physical Education	Should have some training in focus area	This co-educational course emphasizes regular participation in basketball and the development of basketball skills, as well as fitness training. Student learning will include the application of movement principles to refine the skills. This will be achieved through sport specific fitness training and application of various sport strategies. The goal of the course is to enhance fitness and health. The health component of the course will include 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.
PAL3OT	Large Group Activities: Football	11	Open	Physical Education	Should have some training in focus area	This course emphasizes regular participation in football and the development of football skills, as well as fitness training. Student learning will include the application of movement principles to refine the skills. This will be achieved through sport specific fitness training and application of various sport strategies. The goal of the course is to enhance fitness and health. The health component of the course will include 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.
PPL3OM	Healthy Active Living Education (Male)	11	Open	Physical Education	None	This course enables students to further develop the knowledge and skills they need to make healthy choices now and lead healthy, active lives in the future. Through participation in a wide range of physical activities, students develop knowledge and skills related to movement competence and personal fitness that provide a foundation for active living. Students also acquire an understanding of the factors and skills that contribute to healthy development and learn how their own well-being is affected by, and affects, the world around them. Students build their sense of self, learn to interact positively with others, and develop their ability to think critically and creatively.
SBI3C1	Biology	11	College	Science	SNC2D1, SNC2DA, 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.
SBI3U1	Biology	11	University	Science	SNC2D1, SNC2DA	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.
SBI3UA	Biology	11	University	Science	SNC2DA	This is a Pre-AP course. 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.
SCH3U1	Chemistry	11	University	Science	SNC2D1, SNC2DA	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 commonchemical reactions on society and the environment.
SCH3UA	Chemistry	11	University	Science	SNC2DA	This is a Pre-AP course. 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 commonchemical reactions on society and the environment.
SPH3U1	Physics	11	University	Science	SNC2D1, SNC2DA	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.

Course Code	Course Name	Grade	Type	Department	Prerequisite	Description
SPH3UA	Physics	11	University	Science	SNC2DA	This is a Pre-AP course. 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.
TCJ3E1	Construction Technology	11	Workplace	Technological Education		This course enables students to develop technical knowledge and skills related to carpentry, masonry, electrical systems, heating and cooling, and plumbing for residential construction. Students will gain hands-on experience using a variety of materials processes, tools, and equipment to design, lay out, and build projects. They will create and read technical drawings, learn construction terminology, interpret building codes and regulations, and apply mathematical skills as they develop construction projects. Students will also develop an awareness of environmental and societal issues related to construction technology, and will explore postsecondary and career opportunities in the field.
TDJ3M1	Technological Design	11	University/College	Technological Education	None	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.
TER3M1	Computer Engineering: Robotics and Control Systems	11	University/College	Technological Education	None	This course helps students understand how computer hardware and software are used to solve computer-related problems from an engineering perspective. Students will explore ways of connecting computers, interfaces, and peripherals using their knowledge of logic gates, computer components, peripherals, programming, networks, and operating systems. Students will also construct systems that use computer programs to interact with hardware, install and configure key computer hardware and software components, develop an understanding of the ethical use of computers, and explore careers in computer engineering.
TFC3E1	Hospitality and Tourism: Cooking	11	Workplace	Technological Education	None	This course focuses on cooking. Students will learn how to prepare, present, and serve food; plan, manage, and promote activities; use the necessary equipment. Throughout the course, they will learn the fundamentals of providing high-quality service and customer satisfaction. Students will also study the occupational health and safety standards and laws regulating the hospitality and tourism industry, explore the industry's social and environmental impacts, and identify possible career paths.
TGG3M1	Communications Technology: Print	11	University/College	Technological Education	None	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. This course provides an emphasis on Print and graphic Communications.
TGJ3M1	Communications Technology	11	University/College	Technological Education		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 explore college and university programs and career opportunities in the various communications technology fields.
TGR3M1	Communications Technology: Technical Theatre Production	11	University/College	Technological Education		This course will focus on radio, audio and sound. 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 explore college and university programs and career opportunities in the various communications technology fields. Students enrolled in this course must be prepared to put in time after school to complete school projects.
TTJ3C1	Transportation Technology	11	College	Technological Education		The focus of this course is car care. This course enables students to develop technical knowledge and skills as they study, test, service, and repair engine, electrical, suspension, brake, and steering systems on vehicles, aircraft, and/or watercraft. Students will develop communication and teamwork skills through practical tasks, using a variety of tools and equipment. Students will develop an awareness of environmental and societal issues related to transportation and will learn about apprenticeship and college programs leading to careers in the transportation industry.
TTJ3E1	Transportation Technology: Workplace Preparation	11	Workplace	Technological Education		This course examines the various types of land, air, and/or marine vehicles and vehicle systems found within the transportation sector. Students will acquire identification, troubleshooting, repairing, and testing skills that meet industry standards and government regulations. In addition to developing employability and technical skills, they will explore the broad range of career opportunities within this sector, and will examine the impact of the transportation sector on people, society, and the environment.

Course Code	Course Name	Grade	Type	Department	Prerequisite	Description
TTS3C1	Transportation Technology: Small Engine Equipment	11	College	Technological Education		The focus of this course is Small Engines. This course enables students to develop technical knowledge and skills as they study, test, service, and repair engine, electrical, suspension, brake, and steering systems on vehicles, aircraft, and/or watercraft. Students will develop communication and teamwork skills through practical tasks, using a variety of tools and equipment. Students will develop an awareness of environmental and societal issues related to transportation and will learn about apprenticeship and college programs leading to careers in the transportation industry.
TWJ3E1	Custom Woodworking	11	Workplace	Technological Education		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.
TXJ3E1	Hairstyling and Aesthetics	11	Workplace	Technological Education		This course enables students to develop knowledge and skills in cosmetology and offers a variety of applications that will equip students to provide services for a diverse clientele. Students identify trends in the hairstyling and aesthetics industry, learn about related health and safety laws, and expand their communication and interpersonal skills through interactions with peers and clients. Students consider environmental and societal issues related to the industry and acquire a more detailed knowledge of apprenticeships and direct entry work positions.
ADA4M1	Drama	12	University/College	Art	ADA3M1	This course requires students to experiment with forms and conventions in dramatic literature and to create/adapt and present dramatic works. Students will do research on dramatic forms, conventions, themes and theories of acting and directing from different historical periods, and apply their knowledge of these in analysing and interpreting dramatic literature, including works from various cultures in the twentieth century. Students will also examine the significance of dramatic arts in various cultures.
AMR4M1	Music -Repertoire	12	University/College	Art		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. This course focuses on Music - Repertoire.
AMT4M1	Music Theatre - Instrumental Performance	12	University/College	Art	AMT3M	This course enables students to enhance their musical literacy through 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.
ASM4M1	Media Arts	12	University/College	Art	ASM3M1	This course emphasizes the refinement of media arts skills through the creation of a thematic body of work by applying traditional and emerging technologies, tools, and techniques such as multimedia, computer animation, installation art, and performance art. Students will develop works that express their views on contemporary issues and will create portfolios suitable for use in either career or postsecondary education applications. Students will critically analyse the role of media artists in shaping audience perceptions of identity, culture, and community values.
AVI4M1	Visual Arts- Comprehensive	12	University/College	Art	AVI3M1	This course focuses on the refinement of students' skills and knowledge in visual arts. Students will analyse art forms; use theories of art in analysing and producing art; and increase their understanding of stylistic changes in modern and contemporary Western art, Canadian (including Native Canadian) art, and art forms from various parts of the world. Students will produce a body of work demonstrating a personal approach.
AWC4M1	Ceramics	12	University/College	Art	AVI3M1, AWA3O1	This course will provide senior students with an opportunity to build on skills for creating both functional and sculptural studio work at a more advanced level. Through this course there is ample opportunity to work toward developing a stronger portfolio for students who are interested in pursuing Visual Art at the post-secondary level. Projects are mostly student-driven. Drawing skill and art history knowledge will continue to be developed.
AWU4M1	Cultural/Historical Studies	12	University/College	Art	AVI3M1	This course enables students to further develop their knowledge and skills in visual arts. Students will use the creative process to explore a wide range of themes through studio work that may include drawing, painting, sculpting, and printmaking, as well as the creation of collage, multimedia works, and works using emerging technologies. Students will use the critical analysis process when evaluating their own work and the work of others. The course may be delivered as a comprehensive program or through a program focused on a particular art form (e.g., photography, video, computer graphics, information design). This course focuses on cultural/historical studies.
BAT4M1	Financial Accounting Principles	12	University/College	Business Studies	BAF3M1	This course emphasizes study of accounting principles related to financial statements. Students will learn about ways in which information in these statements is used in making business decisions, and about the effects on financial statements of using different methods of inventory valuation and adjusting and reversing entries. Students will also study various means of financing a business and ways in which the strength of a corporation can be determined through the reading of its annual report.

Course Code	Course Name	Grade	Type	Department	Prerequisite	Description
BBB4M1	International Business	12	University/College	Business Studies	BAF3M1, BDI3C1, BMI3C1, CHW3M1, CLU3M1, ENG3C1, ENG3U1, NBE3U1	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.
BDV4C1	Entrepreneurship: Venture Planning in an Electronic Age	12	College	Business Studies	None	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.
BOH4M1	Business Leadership	12	University/College	Business Studies	BAF3M1, BDI3C1, BMI3C1, CHW3M1, CLU3M1, ENG3C1, ENG3U1, NBE3U1	This course focuses on ways in which organizations deal with issues affecting their competitiveness in a changing technological and global business environment. Students will analyse various leadership techniques and study various issues such as ethics in business, social responsibility, management of group dynamics, uses of information technology, workplace stress and conflict, motivation of employees, and globalization. Students will also investigate the management of a diverse workforce within an organization and the importance of strategic planning.
CGW4U1	World Issues: A Geographic Analysis	12	University	Canadian & World Studies	CGF3M1, CHW3M1, CLU3M1, ENG3U1, HRT3M1, HSP3U1, NBE3U1	In this course, students will address the challenge of creating a more sustainable and equitable world. They will explore issues involving a wide range of topics, including economic disparities, threats to the environment, globalization, human rights, and quality of life, and will analyse government policies, international agreements, and individual responsibilities relating to them. Students will apply the concepts of geographic thinking and the geographic inquiry process, including the use of spatial technologies, to investigate these complex issues and their impacts on natural and human communities around the world.
CHI4U1	Canadian History, Identity and Culture	12	University	Canadian & World Studies	Any university or university/college preparation course in Canadian and world studies, English or social sciences and humanities.	This course examines the evolution of a Canadian national identity. Students will learn how modern Canada was shaped by the interaction among Aboriginal peoples, the French, the English, and subsequent immigrant groups. This course will enable students to evaluate major social, economic, and political changes in Canadian history from pre-contact to the present. The understanding students gain through their examination of Canada's historical and cultural roots will allow them to formulate a definition of what it means to be Canadian.
CHY4U1	World History since the Fifteenth Century	12	University	Canadian & World Studies	CHW3M1, CLU3M1, ENG3U1, HRT3M1, HSP3U1, NBE3U1	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 ideas and assess societal progress or decline in world history.
CIA4U1	Analysing Current Economic Issues	12	University	Canadian & World Studies	CHW3M1, CLU3M1, ENG3U1, HRT3M1, HSP3U1, NBE3U1	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.
CLN4U1	Canadian and International Law	12	University	Canadian & World Studies	CHW3M1, CLU3M1, ENG3U1, HRT3M1, HSP3U1, NBE3U1	This course explores a range of contemporary legal issues and how they are addressed in both Canadian and international law. Students will develop an understanding of the principles of Canadian and international law and of issues related to human rights and freedoms, conflict resolution, and criminal, environmental, and workplace law, both in Canada and internationally. Students will apply the concepts of legal thinking and the legal studies inquiry process, and will develop legal reasoning skills, when investigating these and other issues in both Canadian and international contexts.
CPW4U1	Canadian and World Politics	12	University	Canadian & World Studies	CHW3M1, CLU3M1, ENG3U1, HRT3M1, HSP3U1, NBE3U1	This course explores various perspectives on issues in Canadian and world politics. Students will explore political decision making and ways in which individuals, stakeholder groups, and various institutions, including governments, multinational corporations, and non-governmental organizations, respond to and work to address domestic and international issues. Students will apply the concepts of political thinking and the political inquiry process to investigate issues, events, and developments of national and international political importance, and to develop and communicate informed opinions about them.
ENG4C1	English	12	College	English	ENG3C1, ENG3U1, NBE3U1	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.

Course Code	Course Name	Grade	Type	Department	Prerequisite	Description
ENG4E1	English	12	Workplace	English	ENG3C1, ENG3E1, ENG3U1	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	English	12	University	English	ENG3U1, NBE3U1	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.
ETS4U1	Studies in Literature	12	University	English	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 analyze 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.
EWC4U1	The Writer's Craft	12	University	English	ENG3U1, NBE3U1	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.
FEF4U1	Extended French	12	University	Moderns	FEF3U1	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.
FSF4U1	Core French	12	University	Moderns	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.
GLE4O1	Advanced Learning Strategies	12	Open	Special Education		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.
HHG4M1	Human Development Throughout the Lifespan	12	University/College	Social Sciences & Humanities	CHA3U1, CHA3UA, CHW3M1, CIE3M1, CLU3M1, ENG3C1, ENG3U1, ENG3UA, HRT3M1, HSP3C1, HSP3U1, HZB3M1, NDA3M1	This course offers a multidisciplinary approach to the study of human development throughout the lifespan. Students will learn about a range of theoretical perspectives on human development. They will examine threats to healthy development as well as protective factors that promote resilience. Students will learn about physical, cognitive, and social-emotional development from the prenatal period through old age and will develop their research and inquiry skills by investigating issues related to human development. Prerequisite: Any university, college, or university/college preparation course in social sciences and humanities, English, or Canadian and world studies.
HRE4M1	Religious Education	12	University/College	Religion		This course is directed toward the clear identification of Catholic moral principles and the concrete application of these principles in the lives of students. The course proceeds from foundational beliefs rooted in Sacred Scripture concerning justice and peace to an exploration of the principles that shape Christian life. In the family Life Education strand, students explore a variety of topics related to the themes of person-hood, interpersonal relationships and sexuality. Special attention is given to the interaction between the Church and culture. The modern world is characterized by a multiplicity of values, philosophies and ideologies. In a democratic, pluralistic society, these concepts may creatively reinforce one another or they may compete with and contradict one another. The Christian moral life is a call to follow Jesus Christ, to believe in the redemptive love of God for humankind and to proclaim and incarnate the reign of God as inaugurated by Jesus Christ.

Course Code	Course Name	Grade	Type	Department	Prerequisite	Description
HRE401	Religious Education	12	Open	Religion		This course assists students in their development of the skills and knowledge necessary to live lives of full maturity. Within the Catholic faith tradition, it is believed that this growth towards human maturity is best served when students are able to define themselves authentically in relation to their God, to other people and to their world. In the Family Life Education strand, students explore a variety of topics related to the themes of personhood, interpersonal relationships and sexuality. Students will demonstrate knowledge of the prophetic tradition in Scripture, become familiar with the social teachings of the Catholic Church, explore contemporary notions of spirituality and prayer, and recognize the importance, power and potential of the human person in relation to morality and personal choices concerning future life paths.
HSE4M1	Equity, Diversity, and Social Justice	12	University/College	Social Sciences & Humanities	ENG3U1, ENG3UA, HRT3M1, HRT3MF, HSP3U1, HZB3M1	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. Prerequisite: Any university, college, or university/college preparation course in social sciences and humanities, English, or Canadian and world studies.
HZT4U1	Questions and Theories	12	University	Social Sciences & Humanities	CHA3U1, CHA3UA, CHW3M1, CIE3M1, CLU3M1, ENG3U1, ENG3UA, ETC3M1, HRT3M1, HRT3MF, HSP3U1, HZB3M1	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, 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. Prerequisite: Any university or university/college preparation course in social sciences and humanities, English, or Canadian and world studies.
ICS4C1	Introduction to Computer Studies	12	College	Technological Education	ICS3C	This course further develops students' computer programming skills. Students will learn object-oriented programming concepts, create object-oriented software solutions, and design graphical user interfaces. Student teams will plan and carry out a software development project using industry-standard programming tools and proper project management techniques. Students will also investigate ethical issues in computing and expand their understanding of environmental issues, emerging technologies, and computer-related careers.
ICS4U1	Computer Science	12	University	Technological Education	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. Prerequisite: Introduction to Computer Science, Grade 11, University Preparation.
IDC4OS	Sports and Entertainment Marketing	12	Open	Business Studies	None	This course explores the important role that sports and entertainment play in our modern economy. Students will obtain an understanding of business fundamentals and how to apply them to sports and entertainment. This course will cover topics such as marketing essentials, marketing of sports/entertainment, products/services unique to sports/entertainment, sports/entertainment media, sales, stadium design, visual merchandising and legal issues concerning sports/entertainment.
IDC4UB	Interdisciplinary Studies: Personal Finance	12	University	Business Studies	BAF3M1, MCF3M1, MCR3U1	This course emphasizes the development of practical skills and knowledge to solve problems, make decisions, create personal meaning, and present findings beyond the scope of a single subject or discipline. Students will understand that the teaching of personal finance cannot be effectively taught in isolation, separated from its larger context in our world. The intent of this interdisciplinary studies course is to gain insight and a deeper understanding of personal finance; exploring personal financial management, investing, and techniques for building a secure financial future. Students will use diverse information skills, resources and technologies to gather information related to a variety of Canadian and International financial institutions, investigate the conceptual and mathematical foundations of increasing net worth, and examine investment in the financial markets. The risks and safeguards in investing in various financial instruments, the effective use of financial portfolios and alternate investment strategies will be studied. Importantly students will analyze the social impact of personal and corporate investment decisions and will learn to solve problems through theoretical investigation, systems thinking approaches, and case studies. ***STUDENTS MAY EARN ONLY 1 CREDIT IN IDC4UL or IDC4UB- Interdisciplinary Studies***

Course Code	Course Name	Grade	Type	Department	Prerequisite	Description
IDC4UL	Leadership & Peer Tutoring	12	University	Guidance and Career Education	ENG3U1, Any University or U/C prep. Recommended: 80% or above in a senior-level course in the subject in which the student wishes to tutor.	This course explores human relations, communication, and barriers; and personality and leadership styles that affect individuals in educational (focus on physical education), and social settings. 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 resources; 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 next contexts, and communication. COURSE NOTE: Senior students are trained with the skills, knowledge and attitudes to relate effectively to others as peer tutors in the school. They will develop communication and interpersonal relationship skills, learn teaching strategies and conflict resolution techniques that will assist them in tutoring and personal life. ***STUDENTS MAY EARN ONLY 1 CREDIT IN IDC4UL or IDC4UB- Interdisciplinary Studies***
LWIDU1	Italian	12	University	Moderns	LWIB/CU1	This course provides students with opportunities to further develop their oral communication skills in the language of study, increase their confidence in using the language in practical situations, and continue to investigate related career opportunities. Students will be involved in activities that promote the use of the language in real-life situations. They will also continue their exploration of the culture of countries where the language under study is spoken. Although students will continue to expand their vocabulary and repertoire of language structures, the language they will use at this level will still be simple.
MAP4C1	Foundations for College Math	12	College	Mathematics	MBF3C1, MCF3M1, MCR3U1	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.
MCT4C1	Math for College Technology	12	College	Mathematics	MCF3M1, MCR3U1	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.
MCV4U1	Calculus and Vectors	12	University	Mathematics	MHF4U1	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 modelling of real-world relationships. Students will also refine their use of the mathematical processes necessary for success in senior mathematics. This course is intended for students who plan to study mathematics in university and who may choose to pursue careers in fields such as physics and engineering. Note: The new Advanced Functions can be taken concurrently with or can precede Calculus and Vectors.
MDM4U1	Mathematics of Data Management	12	University	Mathematics	MCF3M1, MCR3U1	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	Mathematics for Everyday Life	12	Workplace	Mathematics	MBF3C1, MEL3E1	This course enables students to broaden their understanding of mathematics as it is applied in the workplace and daily life. Students will use statistics in investigating questions; apply the concept of probability to solve problems in 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	Advanced Functions	12	University	Mathematics	MCR3U1, MCT4C1	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. Individual universities have their own prerequisites...some programs such as economics, science, computer science, geography, psychology, etc. may require Advanced Functions. Prerequisite: Functions, Grade 11, University Preparation, or Mathematics for College Technology, Grade 12, College Preparation

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NGC4O1	Cooperative Education - Grade 12	12	Open	Guidance and Career Education	None	Cooperative Education is a unique learning opportunity that extends the learning in one or more related subjects into the workplace. The opportunity to experience business, industry and the community helps students explore career options and gather information they need to make informed decisions about their post secondary destination. Students increase their self-knowledge while developing valuable transferable skills and gain an understanding of the importance of attitude, teamwork and personal management skills in the workplace. Cooperative Education - This is a 2 credit course. Please complete the Cooperative Education Application available in Student Services and submit it with your other Course Selection materials.
OLC4O1	Ontario Literacy Course	12	Open	English	Must have attempted the Ontario Secondary School Literacy Test ONCE	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 manager a portfolio containing a record of their reading experiences and samples of their writing. The Principal has the discretion to allow a student to enrol in the OSSLC before he or she has had a second opportunity to take the OSSLT, if the principal determines that it is in the best educational interests of the student.
PAF4OF	Personal and Fitness Activities: Fun Fit (Female)	12	Open	Physical Education	None	This course enables students to further develop the knowledge and skills they need to make healthy choices. It places special emphasis on how students can maintain the habits of healthy, active living throughout their lives as they make the transition to adulthood and independent living. Through participation in a wide range of physical activities in a variety of settings, students can enhance their movement competence, personal fitness, and confidence. Students also acquire an understanding of the factors and skills that contribute to healthy development and learn how their own well-being is affected by, and affects, the world around them. Students build their sense of self, learn to interact positively with others, and develop their ability to think critically and creatively.
PAF4OW	Personal and Fitness Activities: Weight Training (Co-Ed)	12	Open	Physical Education	None	This course enables students to further develop the knowledge and skills they need to make healthy choices. It places special emphasis on how students can maintain the habits of healthy, active living throughout their lives as they make the transition to adulthood and independent living. Through participation in a wide range of physical activities in a variety of settings, students can enhance their movement competence, personal fitness, and confidence. Students also acquire an understanding of the factors and skills that contribute to healthy development and learn how their own well-being is affected by, and affects, the world around them. Students build their sense of self, learn to interact positively with others, and develop their ability to think critically and creatively.
PPL4OM	Healthy Active Living (Male)	12	Open	Physical Education	None	This course enables students to further develop the knowledge and skills they need to make healthy choices. It places special emphasis on how students can maintain the habits of healthy, active living throughout their lives as they make the transition to adulthood and independent living. Through participation in a wide range of physical activities in a variety of settings, students can enhance their movement competence, personal fitness, and confidence. Students also acquire an understanding of the factors and skills that contribute to healthy development and learn how their own well-being is affected by, and affects, the world around them. Students build their sense of self, learn to interact positively with others, and develop their ability to think critically and creatively.
PSK4U1	Introductory Kinesiology	12	University	Physical Education	PAF3OF, PAF3OM, PAF4OF, PAF4OM, PAI3ON, PAL3OI, PLF4M1, PPL3OF, PPL3OR, PPL4OF, PPL4OM, SBI3U, SCH3U, SPH3U	This course focuses on the study of human movement and of systems, factors and principals 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, kinesiology, recreation and sports administration.
SBI4U1	Biology	12	University	Science	SBI3U1	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	Chemistry	12	College	Science	SNC2D1, SNC2P1, SNC2DA	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	Chemistry	12	University	Science	SCH3U1	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.

Course Code	Course Name	Grade	Type	Department	Prerequisite	Description
SPH4C1	Physics	12	College	Science	SNC2D1, SNC2P1, SNC2DA	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.
SPH4U1	Physics	12	University	Science	SPH3U1	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.
TCJ4E1	Construction Technology	12	Workplace	Technological Education	TCJ3E1	This course enables students to further develop technical knowledge and skills related to residential construction and to explore light commercial construction. Students will continue to gain hands-on experience using a variety of materials, processes, tools, and equipment; create and interpret construction drawings; and learn more about building design and project planning. They will expand their knowledge of terminology, codes and regulations, and health and safety standards related to residential and light commercial construction. Students will also expand their awareness of environmental and societal issues related to construction technology, and will explore entrepreneurship and career opportunities in the industry that may be pursued directly after graduation.
TDJ4M1	Technological Design	12	University/College	Technological Education	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 explore career opportunities and the postsecondary education and training requirements for them. Prerequisite: Technological Design, Grade 11, University/College Preparation
TER4M1	Computer Engineering: Robotics and Control Systems	12	University/College	Technological Education	TER3M1	This course extends students' understanding of computer systems and computer interfacing with external devices. Emphasis is placed upon robotic control systems. 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.
TFC4E1	Hospitality and Tourism: Cooking	12	Workplace	Technological Education	TFC3E1	The focus of this course is on cooking. The course enables students to further develop knowledge and skills related to the food and beverage services sector of the tourism industry. Students will demonstrate proficiency in using food preparation and presentation tools and equipment; plan nutritious menus, create recipes, and prepare and present finished food products; develop customer service skills; and explore event and activity planning. Students will expand their awareness of health and safety practices, environmental and societal issues, and career opportunities in the food and beverage services sector.
TGG4M1	Communications Technology: Yearbook	12	University/College	Technological Education	TGG3M1, TGJ3M1	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. This course provides an emphasis on Print and graphic Communications.
TGJ4M1	Communications Technology	12	University/College	Technological Education	TGG3M1, 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.
TGR4M1	Communications Technology	12	University/College	Technological Education	TGR3M1	This course introduces students to communications technology from a media perspective. Students will work in the areas of TV/video and movie production, radio and audio production, print and graphic communications, photography, and interactive new media and animation. Student projects may include computer-based activities such as creating videos, editing photos, working with audio, cartooning, developing animations, and designing web pages. Students will also develop an awareness of environmental and societal issues related to communications technology, and will explore secondary and postsecondary education and training pathways and career opportunities in the various communications technology fields.

Course Code	Course Name	Grade	Type	Department	Prerequisite	Description
TTJ4C1	Transportation Technology	12	College	Technological Education	TTJ3C1	The focus of this course is Engine Rebuilding. Course Outline: This course enables students to further develop technical knowledge and skills as they study, test, services, and repair engine management systems; power trains; steering/control, suspension, brake, and body systems on vehicles, aircraft, and/or watercraft; and/or small-engine products. Students will refine communication and teamwork skills through practical tasks, using a variety of tools and equipment.
TTJ4E1	Transportation Technology: Vehicle Maintenance	12	Workplace	Technological Education	TTJ3C1	This course introduces students to the servicing, repair, and maintenance of vehicles through practical applications. The course is appropriate for all students as a general interest course to prepare them for future vehicle operation, care, and maintenance or for entry into an apprenticeship in the motive power trades. Students will develop an awareness of environmental and societal issues related to transportation, and will learn about careers in the transportation industry and the skills and training required for them.
TTS4C1	Transportation Technology: Small Engines and Recreational Equipment	12	College	Technological Education	TTS3C1	The focus of this course is Small Engines. This course enables students to develop technical knowledge and skills as they study, test, service, and repair engine, electrical, suspension, brake, and steering systems on vehicles, aircraft, and/or watercraft. Students will develop communication and teamwork skills through practical tasks, using a variety of tools and equipment. Students will develop an awareness of environmental and societal issues related to transportation and will learn about apprenticeship and college programs leading to careers in the transportation industry. This would be a good preparation course for students going directly into apprenticeship and into recreational equipment repair.
TWJ4E1	Custom Woodworking	12	Workplace	Technological Education	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.
TXJ4E1	Hairstyling and Aesthetics	12	Workplace	Technological Education	TXJ3E1	This course enables students to develop increased proficiency in a wide range of hairstyling and aesthetics services. Working in a salon/spa team environment, students strengthen their fundamental cosmetology skills and develop an understanding of common business practices and strategies in the salon/spa industry. Students expand their understanding of environmental and societal issues and their knowledge of postsecondary destinations in the hairstyling and aesthetics industry.
ESLAO1	Beginning Communication in English	9-12	Open	English	None	This course builds on students' previous education and language knowledge to introduce the English language and help students adjust to their new cultural environment. Students will use beginning English language skills in listening, speaking, reading, and writing for everyday and essential academic purposes; use basic English language structures and simple sentence patterns in short conversations; 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.
ESLBO1	English in Daily Life	9-12	Open	English	ESLAO1	This course builds on students' previous education and language knowledge to introduce the English language and help students adjust to their new cultural environment. Students will use beginning English language skills in listening, speaking, reading, and writing for everyday and essential academic purposes; use basic English language structures and simple sentence patterns in short conversations; 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.
ESLCO1	English for School and Work	9-12	Open	English	ESLBO1	This course extends students' skills in listening, speaking, reading, and writing in English for a variety of everyday and academic purposes. Students will make short classroom presentations; read a variety of adapted and original texts in English; and write using a variety of forms of text. Students will also expand their academic vocabulary and their study skills to facilitate the 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.
ESLDO1	Study Skills in English	9-12	Open	English	ESLCO1	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 reading, writing, and oral presentation skills required for success in all school subjects. They will study and interpret a variety of grade-level texts; extend listening and speaking skills through participation in discussions and seminars; write narratives, articles, and summaries in English; and respond critically to various print and media texts.
ESLEO1	English as a Second Language, Level	9-12	Open	English	ESLDO1	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.