

## COURSE OPTIONS GRADE 11

### ENGLISH

#### ENG3C1

English, College Preparation  
Prerequisite: 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.

#### ENG3U1

English, University Preparation  
Prerequisite: ENG2D1

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

#### ENG3E1

English, Workplace Preparation  
Prerequisite: ENG2L1 suggested

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.

#### EPS301/9

Presentation and Speaking Skills  
Prerequisite: None

This course emphasizes the knowledge and skills required to plan and make effective presentations and to speak effectively in both formal and informal contexts, using such forms as reports, speeches, debates, panel discussions, storytelling, recitations, interviews, and multimedia presentations. Students will research and analyse the content and characteristics of convincing speeches and the techniques of effective speakers; design and rehearse presentations for a variety of purposes and audiences; select and use visual and technological aids to enhance their message; and assess the effectiveness of their own and others' presentations.

### MATHEMATICS

#### MBF3C1

Foundations for College Math  
Prerequisite: MPM2D1 or MFM2P1

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

#### MEL3E1

Math for Work and Everyday  
Prerequisite: MAT2L1 suggested

This course enables students to broaden their understanding of mathematics as it is applied in the workplace and daily life. Students will solve problems

associated with earning money, paying taxes, and making purchases; apply calculations of simple and compound interest in saving, investing, and borrowing; and calculate the costs of transportation and travel in a variety of situations. Students will consolidate their mathematical skills as they solve problems and communicate their thinking.

#### MCR3U1

Functions

Prerequisite: MPM2D1 or MCF3M1

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

#### MCF3M1

Functions & Applications

Prerequisite: MPM2D1 or MFM2P1

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

### FRENCH

#### FSF3U1

Core French

Prerequisite: FSF2D1

This course offers students extended opportunities to speak and interact in real-life situations in French with greater independence. Students will develop their listening, speaking, reading, and writing skills, as well as their creative and critical thinking skills, through

responding to and exploring a variety of oral and written texts. They will also broaden their understanding and appreciation of diverse French-speaking communities, and will develop skills necessary for lifelong language learning.

### SCIENCE

#### SBI3U1

Biology, University Prep  
Prerequisite: SNC2D1

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.

#### SBI3C1

Biology, College Prep  
Prerequisite: SNC2P1 or SNC2D1

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.

#### SCH3U1

Chemistry, University Prep  
Prerequisite: SNC2D1

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

### **SPH3U1**

Physics, University Prep

Prerequisite: SNC2D1

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.

### **HEALTH AND PHYSICAL EDUCATION**

**PPL3OF/M:** Healthy Active Living – Female/Male

OR

**PAF3OF/M:** Personal Fitness – Female/Male

OR

**PAQ3OF/M:** Aquatics – Female/Male

Prerequisite: 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.

### **THE ARTS**

**ADA3M1**

Dramatic Arts

Prerequisite: ADA101 or ADA201

This course requires students to create and perform in dramatic presentations. Students will analyse, interpret, and perform dramatic works from various cultures and time periods. Students will research various acting styles and conventions that could be used in their

presentations, and analyse the functions of playwrights, directors, actors, designers, technicians, and audiences.

**AM13M1**

Music – Band

Prerequisite: AM1201

A performance-based course open to woodwind, brass, and percussion instrument players who have 4+ years of experience. It is highly recommended that anyone enrolled in AM1 also take AMR in conjunction.

**AMK3M1**

Music – Keyboards

Prerequisite: Any music course

Students have the opportunity to learn piano at the equivalent of Royal Conservatory grade 4, or continue their piano studies at a more advanced level.

**AMR3M1**

Music Repertoire

(after school)

Prerequisite: AMR201

An after school instrumental band course for any student who has previously taken any level of AMR, or has 4+ years of experience on their main band instrument.

**AMS3M1**

Instrumental Music – Strings

Prerequisite: AMS201

**AMG301**

Music – Guitar

Prerequisite: None, but AMG201 is suggested

**ATC301**

Dance

Prerequisite: ATC201

This course emphasizes the development of students' artistry, improvisational and compositional skills, and technical proficiency in dance genres from around the world. Students will apply dance elements, techniques, and tools in a variety of ways, including performance situations; describe and model responsible practices related to the dance environment; and reflect on how

the study of dance affects personal and artistic development.

**AV13M1**

Visual Arts

Prerequisite: Any visual arts course

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).

**AWD3M1**

Visual Arts – Graphic Design

Prerequisite: Any visual arts course

This course serves as a technical introduction into the field of design as a preparation for AWD 4M1. Students are expected to have good skills in drawing and painting before attempting this course. It is designed to provide information and hands on experience in the historical and design fields of illustration, typography, advertising, logo design, package design, computer graphics and graphic design. Design theory, history and illustration techniques will be integrated throughout the semester.

**AWQ3M1**

Photography

Prerequisite: Any visual arts course

This course enables students to further develop their knowledge and skills in photography. The emphasis will be on digital photographic techniques and processes that allow students to focus on the creative applications of the photographic medium. The elements and principles of design and their importance to visual communication will be an integral component of study as they are essential to the medium of photography. Students will apply the creative process to explore a wide range of themes through studio projects using the digital medium. Students will also use the critical

analysis process when evaluating their own work and the work of others.

### **BUSINESS STUDIES**

**BAF3M1**

Intro to Financial Accounting

Prerequisite: BBI201 suggested

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

**BMI3C1**

Intro to Marketing

Prerequisite: BBI201 suggested

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.

### **CANADIAN AND WORLD STUDIES**

**CGF3M1**

Physical Geography

Prerequisite: CGC1D1 or CGC1P1

In this course, students will explore physical processes related to the earth's water, land, and air. They will investigate how these processes shape the planet's natural characteristics and affect human systems, how they are involved in the creation of natural disasters, and how they influence the impacts of human disasters. Throughout the course, students will apply the concepts of geographic thinking and the geographic inquiry process and use spatial technologies to analyse these processes, make predictions related to natural disasters, and assess ways of responding to them.

**CGG301**

Travel and Tourism

Prerequisite: None

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

**CHG381**

The Nature of Evil

Prerequisite: CHC2D1 suggested

How do ordinary, otherwise good people commit acts of murder and violence against their friends and neighbours? In this course we learn about the psychology of human nature and discover how humanity has struggled with living in peace with each other through three historical case studies. Students will critically navigate the darker sides of the human condition and develop work that educates others about how to stop and avoid genocide and crimes against humanity. Topics of study include: Understanding Human Psychology, World War Two & the Holocaust, The Rwandan Genocide and the Armenian Genocide. The class will feature films, debates, creative projects, and critical analysis.

**CHA3U1**

American History

Prerequisite: CHC2D1

This course takes students through the exciting and fascinating history of the United States of America from its founding as 13 struggling colonies to global superpower. The course covers topics like the American Revolution, the US Civil War, participation World War One and World War Two and America's unique role in the Cold War. This course is designed for any student who wants to learn more about America's role in the modern world and wants to develop their skills in

history. If you plan to take any grade 12 history courses or social science in University this course will serve you well in all future studies.

**CLU3M1**

Understanding Canadian Law

Prerequisite: CHC2D1 or CHC2P1

This course explores Canadian law, with a focus on legal issues that are relevant to the lives of people in Canada. Students will gain an understanding of 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.

**COMPUTER STUDIES****ICS3U1**

Introduction to Computer Science

Prerequisite: ICS201 suggested

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.

**CO-OPERATIVE EDUCATION****COOP2/44**

2 or 4 Credit Co-op

Prerequisite: Must be Age 16 and have 16 credits

This course consists of a learning experience connected to a community and a cooperative education curriculum that incorporates relevant expectations from the student's related course (or courses). Students will develop skills, knowledge, and habits of mind that will support them in their learning, including their education and career/life planning, at school and beyond, today and in the future. Within the context of their experience

connected to a community, students will apply, extend, and refine skills and knowledge acquired in their related course or courses and will apply skills, knowledge, and habits of mind that will protect and promote their health, safety, and well-being. They will create and implement a learning plan that meets their particular interests and needs, reflect on their learning, and make connections between their experience in the community and other aspects of their lives.

**SOCIAL SCIENCES AND THE HUMANITIES****HPC301**

Parenting (Raising Healthy Children)

Prerequisite: 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.

**HSP3C/U1**

Intro to Anthropology, Sociology, and Psychology

Prerequisite: ENG2P1/D1

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

**HRF301**

World Religions

Prerequisite: ENG2P1/D1

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 124 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.

**HSG3M1**

Gender Studies

Prerequisite: ENG2P1/D1

This course enables students to explore the social construction of gender. Students will learn about the dynamic nature of gender roles and norms; sexism and power relations; and the impact of representations of women and men in the media, popular culture, and the arts. Students will analyse a range of gender equity issues, including gender-based violence and workplace equity, in both Canadian and global contexts. Students will develop and apply research skills and will design and implement a social action initiative relating to gender equity.

**HZB3M1**

Philosophy

Prerequisite: ENG2P1/D1

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.

**TECHNOLOGICAL EDUCATION****TTJ3C1**

Transportation Technology

Prerequisite: TTJ201

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.

### **TCJ3C1**

Construction Technology

Prerequisite: TCJ2O1

This course focuses on the development of knowledge and skills related to residential construction. Students will gain hands-on experience using a variety of construction materials, processes, tools, and equipment; learn about building design and planning construction projects; create and interpret working drawings and sections; and learn how the Ontario Building Code and other regulations and standards apply to construction projects. Students will also develop an awareness of environmental and societal issues related to construction technology, and will explore career opportunities in the field.

### **TEJ3M1**

Computer Engineering Technology

Prerequisite: None

This course examines computer systems and control of external devices. Students will assemble computers and small networks by installing and configuring appropriate hardware and software. Students will develop knowledge and skills in electronics, robotics, programming, and networks, and will build systems that use computer programs and interfaces to control and/or respond to external devices. Students will develop an awareness of related environmental and societal issues, and will learn about college and university programs leading to careers in computer technology.