

CPC COURSE SELECTION 2021-2022



*Guidance & University
Counselling*

CPC COURSE SELECTION 2021-2022



Course selection is completed **online** at Crestwood Preparatory College. Once the admissions process has begun, a member of the Guidance Department will be in touch to provide prospective families with a **unique course selection link** to submit choices online.

This resources outlines:

- **Grade 8** (Course Selection & Descriptions)
- **Ontario Graduation Requirements**
- **Crestwood Diploma Requirements**
- **Grade 9** (Course Selection & Descriptions)
- **Grade 10** (Course Selection & Descriptions)
- **Grade 11** (Course Selection & Descriptions)
- **Grade 12** (Course Selection & Descriptions)
- **Advanced Placement Program (AP)**
- **Pathway Planning** (Post-Secondary)

If you have any questions or concerns please do not hesitate to contact a member of the Guidance Department:



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GRADE 8

GRADE 8



Compulsory Courses:

Students in **Grade 8** are required to take the following **COMPULSORY** courses:

1. English ✓
2. Mathematics ✓
3. Science ✓
4. History ✓
5. French ✓
6. Physical Education ✓
7. Communications Technology 9 (TGJ1O8) ✓
8. Issues in Canadian Geography 9 (CGC1D8) ✓

Elective Courses:

Students in **Grade 8** are required to **SELECT TWO (2)** the following **ELECTIVE** courses:

1. Drama
2. Music
3. Visual Arts

Grade 8: Course Descriptions

Compulsory Courses:

TGJ10: Exploring Communications Technology, Grade 9 (Open - Technological Education) → 1.0 Credit (Prerequisite: None) *This exploratory course introduces students to concepts and skills in communications technology, which encompasses television/video and movie production, radio and audio production, print and graphic communications, photography, and interactive new media and animation. Students will develop an awareness of related environmental and societal issues, and will begin to explore secondary and post-secondary pathways leading to careers in the field.*

CGC1D: Issues in Canadian Geography, Grade 9 (Academic - Canadian & World Studies) → 1.0 Credit (Prerequisite: 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.*

ONTARIO GRADUATION REQUIREMENTS



What do you need to graduate from high school?

18 compulsory credits

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

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

In addition, students must complete:

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

Plus one credit from each of the following groups:

Group 1:

- English or French as a second language**
- a Native language
- a classical or international language
- social sciences and the humanities
- Canadian and world studies
- guidance and career education
- cooperative education***

Group 2:

- health and physical education
- the arts
- business studies
- French as a second language**
- cooperative education***

Group 3:

- science (Grade 11 or 12)
- technological education
- French as a second language**
- computer studies
- cooperative education***

* A maximum of 3 credits in English as a second language (ESL) or English literacy development (ELD) may be counted towards the 4 compulsory credits in English, but the fourth must be a credit earned for a Grade 12 compulsory English course.

** In groups 1, 2 and 3, a maximum of 2 credits in French as a second language can count as compulsory credits, one from group 1 and one from either group 2 or group 3.

*** A maximum of 2 credits in cooperative education can count as compulsory credits.

† The 12 optional credits may include up to 4 credits earned through approved dual credit courses.

ontario.ca/graduatehighschool

Ontario

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CRESTWOOD DIPLOMA REQUIREMENTS



The Ministry of Education issues the Ontario Secondary School Diploma to all students who complete the Graduation requirements listed below. Crestwood encourages all students to become well rounded individuals who are involved at the school and in their community. In order to recognize this engagement we award the Crestwood Preparatory College Diploma to students who demonstrate their involvement as outlined below.

Ontario Secondary School Diploma (OSSD)

- 30 credits (minimum) – 18 compulsory & 12 elective
- 40 hours of Community Service
- Completing the Literacy requirement by being successful on the OSSLT or completing the OSSLC course

Crestwood Preparatory College Diploma

- All Core English courses (ENG1D, ENG2D, ENG3U and ENG4U) are taken each year enrolled at Crestwood
- An Additional optional credit in Mathematics, Science or Computer Technology
- An additional Credit in the Arts (Visual, Dramatic or Music) or Physical & Health Education beyond Grade 9
- An additional optional Social Science, Humanities or Business Credit
- Participant in a minimum of one extra-curricular activity each year enrolled at Crestwood
- Minimum of 20 Community Service Hours per year enrolled at Crestwood
- Recipient of the Duke of Edinburgh Bronze Award or Higher

The Duke of Edinburgh Bronze Level Award requires students need to complete the following for a 3 to 6 month period. Specific details and requirements are available online or by speaking to staff at the school.

- Service: Challenge yourself to be a responsible, caring member of the community.
- Physical Recreation: Challenge yourself to improve your, health, fitness and performance.
- Skills: Challenge yourself to improve your skills and widen your interests.

Additional students will need to complete an Adventurous Journey. (This can be completed through the Grade 9 Spirit Point Trip, a Me to We Trip or a variety of outdoor trips available outside the school).

NOTE: For Students Entering Crestwood after Grade 9 the following adjustments to the requirements will be made:

- Grade 10 – do not require ENG1D to be done at Crestwood
- Grade 11 – do not require ENG1D or END2D to be done at Crestwood
 - Will reduce the number of additional credits required in the disciplines to two of points 2, 3 and 4 above
- Grade 12 – do not require ENG1D, END2D or ENG3U to be done at Crestwood
 - Will reduce the number of additional credits required in the disciplines to two of points 2, 3 and 4 above

+

+



GRADE 9

INSPIRE EXCELLENCE • NURTURE INDIVIDUALITY

GRADE 9



Compulsory Courses:

Students in **Grade 9** are required to take the following **COMPULSORY** courses:

1. **Issues in Canadian Geography 9** (CGC1D) ✓
2. **English 9** (ENG1D) ✓
3. **Science 9** (SNC1D) ✓
4. **Principles of Mathematics 9** (MPM1D) ✓
5. **Healthy Active Living Education 9** (PPL1O) ✓
6. **Core French 9** (FSF1D) ✓
7. **Art** (select ONE of the following) ✓
 - **Drama** (ADA1O)
 - **Music** (AMU1O)
 - **Visual Arts** (AVI1O)

Elective Course:

Students in **Grade 9** are required to take the following **ELECTIVE** courses:

1. **Communications Technology 10** (TGJ2O) ✓

Grade 9: Course Descriptions

Compulsory Courses

ADA10: Drama, Grade 9 (Open - The Arts) → 1.0 Credit (Prerequisite: None) *This course provides opportunities for students to explore dramatic forms and techniques, using material from a wide range of sources and cultures. Students will use the elements of drama to examine situations and issues that are relevant to their lives. Students will create, perform, discuss, and analyse drama, and then reflect on the experiences to develop an understanding of themselves, the art form, and the world around them.*

AMU10: Music, Grade 9 (Open - The Arts) → 1.0 Credit (Prerequisite: None) *This course emphasizes the creation and performance of music at a level consistent with previous experience and is aimed at developing technique, sensitivity, and imagination. Students will develop musical literacy skills by using the creative and critical analysis processes in composition, performance, and a range of reflective and analytical activities. Students will develop an understanding of the conventions and elements of music and of safe practices related to music, and will develop a variety of skills transferable to other areas of their life.*

AVI10: Visual Art, Grade 9 (Open - The Arts) → 1.0 Credit (Prerequisite: None) *This course is exploratory in nature, offering an overview of visual arts as a foundation for further study. Students will become familiar with the elements and principles of design and the expressive qualities of various materials by using a range of media, processes, techniques, and styles. Students will use the creative and critical analysis processes and will interpret art within a personal, contemporary, and historical context.*

CGC1D: Issues in Canadian Geography, Grade 9 (Academic - Canadian & World Studies) → 1.0 Credit (Prerequisite: 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.*

ENG1D: English, Grade 9 (Academic - English) → 1.0 Credit (Prerequisite: 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.*

FSF1D: Core French, Grade 9 (Academic - French as a Second Language) → 1.0 Credit (Prerequisite: 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.*

MPM1D: Principles of Mathematics, Grade 9 (Academic - Mathematics) → 1.0 Credit (Prerequisite: None) *This course enables students to develop an 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 linear relation. They will also explore relationships that emerge from the measurement of three-dimensional figures and two-dimensional shapes. Students will reason mathematically and communicate their thinking as they solve multi-step problems.*

SNC1D: Science, Grade 9 (Academic - Science & Technology) → 1.0 Credit (Prerequisite: 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.*

PPL10: Healthy Active Living Education, Grade 9 (Open - Health and Physical Education) → 1.0 Credit (Prerequisite: None) *This course equips students with 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.*

Elective Course:

TGJ20: Communications Technology, Grade 10 (Open - Technological Education) → 1.0 Credit (Prerequisite: 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 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 post-secondary education and training pathways and career opportunities in the various communications technology fields.*



GRADE 10

GRADE 10



Compulsory Courses:

Students in **Grade 10** are required to take the following **COMPULSORY** courses:

1. **English 10** (ENG2D) ✓
2. **Principles of Mathematics 10** (MPM2D) ✓
3. **Science 10** (SNC2D) ✓
4. **Canadian History Since World War II 10** (CHC2D) ✓
5. **Careers Studies 10** (GLC2O) - 0.5 ✓ **& Civics and Citizenship 10** (CHV2O) - 0.5 ✓

Elective Course:

Students in **Grade 10** are required to **select THREE (3)** of the following **ELECTIVE** courses:

If possible, students should select courses they are interested in that also satisfy the Group 1, 2 and 3 category requirements (if they have not yet achieved them).

The Arts

- Drama 10 (ADA2O)
- Visual Art 10 (AVI2O)
- Music 10 (AMU2O)

Business Studies

- Introduction to Business 10 (BBI2O)
- Financial Accounting Fundamentals 11 (BAF3M)*

Canadian and World Studies

- American History 11 (CHA3U)*
- World History to the End of the 15th C. 11 (CHW3M)*
- World Religions and Belief Traditions: Perspectives, Issues, and Challenges 11 (HRT3M)*

Computer Studies

- Introduction to Computer Studies 10 (ICS2O)

Classical and International Languages

- Spanish for Non-Natives Level 1 (LWSBD)

GRADE 10

French as a Second Language

- French 10 (FSF2D)

Health and Physical Education

- Healthy Active Living 10 (PPL2O)

Technological Education

- Computer Engineering Technology 11 (TEJ3M)*
- Communications Technology 11 (TGJ3M)*

***Reach ahead courses open to CPC students studying in Grade 10 with the appropriate prerequisite course (if applicable).**

Grade 10: Course Descriptions

Compulsory Courses:

ENG2D: English, Grade 10 (Academic - English) → 1.0 Credit (Prerequisite: ENG1D) *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.*

MPM2D: Principles of Mathematics, Grade 10 (Academic - Mathematics) → 1.0 Credit (Prerequisite: MPM1D) *This course enables students to broaden their understanding of relationships and extend their problem-solving and algebraic skills through investigation, the effective use of technology, and abstract reasoning. Students will explore quadratic relations and their applications; solve and apply linear systems; verify properties of geometric figures using analytic geometry; and investigate the trigonometry of right and acute triangles. Students will reason mathematically and communicate their thinking as they solve multi-step problems.*

SNC2D: Science, Grade 10 (Academic - Science & Technology) → 1.0 Credit (Prerequisite: SNC1D) *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.*

CHC2D: Canadian History Since World War I, Grade 10 (Academic - Canadian & World Studies) → 1.0 Credit (Prerequisite: 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.*

GLC2O: Career Studies, Grade 10 (Open - Guidance & Career Education) → 0.5 Credit (Prerequisite: None) *This course gives students the opportunity to develop the skills, knowledge, and habits that will support them in their education and career/life planning. Students will learn about global work trends, and seek opportunities within the school and community to expand and strengthen their transferable skills and their ability to adapt to the changing world of work. On the basis of exploration, reflective practice, and decision-making processes, students will make connections between their skills, interests, and values and their post-secondary options, whether in apprenticeship training, college, community living, university, or the workplace. They will set goals and create a plan for their first post-secondary year. As part of their preparation for the future, they will learn about personal financial management – including the variety of saving and borrowing tools available to them and how to use them to their advantage – and develop a budget for their first year after secondary school.*

CHV2O: Civics and Citizenship, Grade 10 (Open - Guidance & Career Education) → 0.5 Credit (Prerequisite: 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.*

Elective Courses:

ADA2O: Drama, Grade 10 (Open - The Arts) → 1.0 Credit (Prerequisite: None) *This course provides opportunities for students to explore dramatic forms, conventions, and techniques. Students will explore a variety of dramatic sources from various cultures and representing a range of genres. Students will use the elements of drama in creating and communicating through dramatic works. Students will assume responsibility for decisions made in the creative and collaborative processes and will reflect on their experiences.*

AVI2O: Visual Art, Grade 10 (Open - The Arts) → 1.0 Credit (Prerequisite: None) *This course enables students to develop their skills in producing and presenting art by introducing them to new ideas, materials, and processes for artistic exploration and experimentation. Students will apply the elements and principles of design when exploring the creative process. Students will use the critical analysis process to reflect on and interpret art within a personal, contemporary, and historical context.*

AMU2O: Music, Grade 10 (Open - The Arts) → 1.0 Credit (Prerequisite: None) *This course emphasizes the creation and performance of music at a level consistent with previous experience. Students will develop musical literacy skills by using the creative and critical analysis processes in composition, performance, and a range of reflective and analytical activities. Students will develop their understanding of musical conventions, practices, and terminology and apply the elements of music in a range of activities. They will also explore the function of music in society with reference to the self, communities, and cultures.*

BBI2O: Introduction to Business, Grade 10 (Open - Business Studies) → 1.0 Credit (Prerequisite: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.*

FSF2D: Core French, Grade 10 (Academic - French as a Second Language) → 1.0 Credit (Prerequisite: FSF1D/FSF1P) *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 develop their skills in listening, speaking, reading, and writing 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 develop skills necessary for lifelong language learning.*

LWSBD: Spanish, Level 1 (Academic - Classical Studies & International Languages) → 1.0 Credit (Prerequisite: None) *This introductory course is designed to enable students to begin to develop competence in listening, speaking, reading, and writing in the language of study. Students will participate in interactive activities in which they can apply 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 formal and informal forms of address, naming practices, family life and relationships, and celebrations.*

PPL2O: Healthy Active Living Education, Grade 10 (Open - Health & Physical Education) → 1.0 Credit (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, 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.*

ICS2O: Introduction to Computer Studies, Grade 10 (Open - Computer Studies) → 1.0 Credit (Prerequisite: 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.*

Reach Ahead Courses:

BAF3M: Financial Accounting Fundamentals, Grade 11 (University/College Preparation - Business Studies) → 1.0 Credit (Prerequisite: None) *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.*

CHA3U: American History, Grade 11 (University Preparation - Canadian & World Studies) → 1.0 Credit (Prerequisite: CHC2D/ CHC2P) *This course explores key aspects of the social, economic, and political development of the United States from precontact to the present. Students will examine the contributions of groups and individuals to the country's evolution and will explore the historical context of key issues, trends, and events that have had an impact on the United States, its identity and culture, and its role in the global community. 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 various forces that helped shape American history.*

CHW3M: World History to the End of the Fifteenth Century, Grade 11 (University Preparation - Canadian & World Studies) → 1.0 Credit (Prerequisite: CHC2D/ CHC2P) *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.*

HRT3M: World Religions and Belief Traditions: Perspectives, Issues, and Challenges, Grade 11 (University/College Preparation - Social Science & Humanities) → 1.0 Credit (Prerequisite: 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.*

TEJ3M: Computer Engineering Technology, Grade 11 (University/College Preparation - Technological Education) → 1.0 Credit (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.*

TGJ3M: Communications Technology, Grade 11 (University/College Preparation - Technological Education) → 1.0 Credit (Prerequisite: 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.*



GRADE 11

GRADE 11

- Students in Grade 11 are **REQUIRED** to take 8 courses.
- However, students who have more than 16 credits entering Grade 11 may choose to take 7 courses plus 1 spare.
- Course choices in Grade 11 are significant as they lay the foundation for Grade 12 coursework and post-secondary pathways.
- As a result, students should check: **Ontario Universities Info** and **Ontario Colleges** for the admissions requirements for specific post-secondary programs and choose Grade 11 courses accordingly.
- Students should keep in mind that many Grade 12 courses have Grade 11 courses as prerequisites.
- Students may take a maximum of two Grade 12 courses while in Grade 11.
- If possible, students should select courses they are interested in that also satisfy the Group 1, 2 and 3 category requirements (if they have not yet achieved them):

Compulsory Courses:

Students in **Grade 11** are required to take the following **COMPULSORY** courses:

1. **English 11** (ENG3U) ✓
2. **Functions 11** (MCR3U) **or** **Functions and Applications 11** (MCF3M)* ✓

***Student must discuss pathway options with Guidance.**

Elective Course:

Students in Grade 11 are required to select **SIX (6)** of the following **ELECTIVE** courses.

The Arts

- Drama 11 (ADA3M)
- Music 11 (AMU3M)
- Visual Arts 11 (AVI3M)

Business Studies

- Financial Accounting Fundamentals 11 (BAF3M)
- International Business 12 (BBB4M)*

GRADE 11

Canadian and World Studies

- American History 11 (CHA3U)
- World History to the 16th Century 11 (CHW3M)
- The Individual and the Economy 11 (CIE3M)

Computer Studies

- Introduction to Computer Science 11 (ICS3U)

International Languages

- Spanish 11 (LWSCU)

English

- Canadian Literature 11(ETC3M)

French as a Second Language

- French 11 (FSF3U)

Health and Physical Education

- Health Active Living 11 (PPL3O)

Social Sciences and Humanities

- World Religions: Beliefs, Issues & Religious Traditions 11 (HRT3M)
- Introduction to Anthropology, Sociology & Psychology 11 (HSP3U)

Science

- Earth and Space Science 12 (SES4U)*
- Environmental Science 11 (SVN3M)
- Physics 11 (SPH3U)
- Chemistry 11 (SCH3U)
- Biology 11 (SBI3U)

Technological Education

- Computer Engineering Technology 11 (TEJ3M)
- Communications Technology 11 (TGJ3M)

***Reach ahead courses open to CPC students studying in Grade 11 with the appropriate prerequisite course (if applicable).**

Grade 11: Course Descriptions

Compulsory Courses:

ENG3U: English, Grade 11 (University Preparation - English) → 1.0 Credit (Prerequisite: ENG2D) *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.*

MCR3U: Functions, Grade 11 (University Preparation - Mathematics) → 1.0 Credit (Prerequisite: MPM2D) *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.*

MCF3M: Functions and Application, Grade 11 (University/College Preparation - Mathematics) → 1.0 Credit (Prerequisite: MPM2D/MPM2P) *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.*

Elective Courses:

ADA3M: Drama, Grade 11 (University/College Preparation - The Arts) → 1.0 Credit (Prerequisite: ADA10/ADA20) *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.*

AMU3M: Music, Grade 11 (University/College Preparation - The Arts) → 1.0 Credit (Prerequisite: AMU10/AMU20) *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.*

AVI3M: Visual Art, Grade 11 (University/College Preparation-Arts) → 1.0 Credit (Prerequisite: AVI10/AVI20) *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).*

BAF3M: Financial Accounting Fundamentals, Grade 11 (University/College Preparation - Business Studies) → 1.0 Credit (Prerequisite: None) *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.*

CHA3U: American History, Grade 11 (University Preparation - Canadian & World Studies) → 1.0 Credit (Prerequisite: CHC2D/ CHC2P) *This course explores key aspects of the social, economic, and political development of the United States from precontact to the present. Students will examine the contributions of groups and individuals to the country's evolution and will explore the historical context of key issues, trends, and events that have had an impact on the United States, its identity and culture, and its role in the global community. 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 various forces that helped shape American history.*

CHW3M: World History to the End of the Fifteenth Century, Grade 11 (University Preparation - Canadian & World Studies) → 1.0 Credit (Prerequisite: CHC2D/ CHC2P) *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.*

CIE3M: The Individual and the Economy, Grade 11 (University/College Preparation - Canadian & World Studies) → 1.0 Credit (Prerequisite: CHC2D/ CHC2P) *This course explores issues and challenges facing the Canadian economy as well as the implications of various responses to them. Students will explore the economic role of firms, workers, and government as well as their own role as individual consumers and contributors, and how all of these roles contribute to stability and change in the Canadian economy. Students will apply the concepts of economic thinking and the economic inquiry process, including economic models, to investigate the impact of economic issues and decisions at the individual, regional, and national level.*

ETC3M: Canadian Literature, Grade 11 (University/College Preparation - English) → 1.0 Credit (Prerequisite: ENG2D/ENG2P) *This course emphasizes the study and analysis of literary texts by Canadian authors for students with a special interest in Canadian literature. Students will study the themes, forms, and stylistic elements of a variety of literary texts representative of various time periods and of the diverse cultures and regions of Canada, and will respond personally, critically, and creatively to them.*

FSF3U: Core French, Grade 11 (University Preparation - French as a Second Language) → 1.0 Credit (Prerequisite: FSF2D) *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.*

HRT3M: World Religions and Belief Traditions: Perspectives, Issues, and Challenges, Grade 11 (University/College Preparation - Social Science & Humanities) → 1.0 Credit (Prerequisite: 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.*

HSP3U: Introduction to Anthropology, Psychology, and Sociology, Grade 11 (University Preparation- Social Science & Humanities) → 1.0 Credit (Prerequisite: ENG2D/CHC2D) *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.*

ICS3U: Introduction to Computer Science, Grade 11 (University Preparation- Computer Studies) → 1.0 Credit

(Prerequisite: None) *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.*

LWSCU: Spanish, Level 2 (University Preparation - Classical Studies & International Languages) →1.0 Credit

(Prerequisite: LWSBD) *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.*

PPL30: Healthy Active Living Education, Grade 11 (Open- Health & Physical Education) →1.0 Credit (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.*

SBI3U: Biology, Grade 11 (University Preparation - Science) →1.0 Credit (Prerequisite: SNC2D)

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.

SCH3U: Chemistry, Grade 11 (University Preparation - Science) →1.0 Credit (Prerequisite: SNC2D)

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.

SPH3U: Physics, Grade 11 (University Preparation - Science) →1.0 Credit (Prerequisite: SNC2D)

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.

SVN3M: Environmental Science, Grade 11 (University/College Preparation - Science) →1.0 Credit (Prerequisite:

SNC2D/SNC2P) *This course provides students with the fundamental knowledge of and skills relating to environmental science that will help them succeed in life after secondary school. Students will explore a range of topics, including the role of science in addressing contemporary environmental challenges; the impact of the environment on human health; sustainable agriculture and forestry; the reduction and management of waste; and the conservation of energy. Students will increase their scientific and environmental literacy and examine the interrelationships between science, the environment, and society in a variety of areas.*

TEJ3M: Computer Engineering Technology, Grade 11 (University/College Preparation - Technological Education) → 1.0

Credit (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.*

TGJ3M: Communications Technology, Grade 11 (University/College Preparation - Technological Education) → 1.0 Credit (Prerequisite: 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.*

Reach Ahead Courses:

BBB4M: International Business Fundamentals, Grade 12 (University/College Preparation-Business Studies) → 1.0 Credit (Prerequisite: None) *This course provides an overview of the importance of international business and trade in the global economy and explores the factors that influence success in international markets. Students will learn about the techniques and strategies associated with marketing, distribution, and managing international business effectively. This course prepares students for post-secondary programs in business, including international business, marketing, and management.*

SES4U: Earth and Space Science, Grade 12 (University Preparation - Science) → 1.0 Credit (Prerequisite: SNC2D) *This course develops students' understanding of Earth and its place in the universe. Students will investigate the properties of and forces in the universe and solar system and analyse techniques scientists use to generate knowledge about them. Students will closely examine the materials of Earth, its internal and surficial processes, and its geological history, and will learn how Earth's systems interact and how they have changed over time. Throughout the course, students will learn how these forces, processes, and materials affect their daily lives. The course draws on biology, chemistry, physics, and mathematics in its consideration of geological and astronomical processes that can be observed directly or inferred from other evidence.*



GRADE 12

INSPIRE EXCELLENCE • NURTURE INDIVIDUALITY

GRADE 12



- Students in Grade 12 are required to take a minimum of 6 courses (plus 2 spares).
- However, it is recommended that students with only 24 credits at the end of grade 11 take 7 courses minimum (plus 1 spare).
- Students require a minimum of six (6) Grade 12 University (4U) or University/College (4M) courses for admission to an Ontario university or college.
- International Language courses ending in “DU” may also be used for admission.
- Students should check: [Ontario Universities Info](#) and [Ontario Colleges](#) for the admissions requirements for specific post-secondary programs and choose Grade 12 courses accordingly.
- If possible, students should select courses they are interested in that also satisfy the Group 1, 2 and 3 category requirements (if they have not yet achieved them).

Compulsory Courses:

Students in **Grade 12** are required to take the following **COMPULSORY** course:

1. **English 12 (ENG4U)***

***All CPC students are required to complete an English course in Grade 12. If you have already completed ENG4U, please select another course under the English offerings below.**

Elective Course:

Students in Grade 12 are required to select **SEVEN (7)** of the following **ELECTIVE** courses:

The Arts

- Drama 12 (ADA4M)
- Music 12 (AMU4M)
- Visual Arts 12 (AVI4M)

Business Studies

- Financial Accounting Principles 12 (BAT4M)
- International Business 12 (BBB4M)
- Business Leadership 12 (BOH4M)

GRADE 12

Canadian and World Studies

- Analyzing Current Economic Issues 12 (CIA4U)
- Canadian & World Issues: A Geographic Analysis 12 (CGW4U)
- World History: The West & the World 12 (CHY4U)
- Canadian and International Law 12 (CLN4U)
- Canadian and World Politics 12 (CPW4U)

International Languages

- Spanish Level 3 (LWSDU)

Computer Studies

- Computer Science 12 (ICS4U)

Technological Studies

- Communications Technology 12 (TGJ4M)

English

- Studies in Literature 12 (ETS4U)
- The Writer's Craft 12 (EWC4U)

First Nations, Métis, and Inuit Studies

- Contemporary Indigenous Issues & Perspectives in a Global Context (NDW4M)

French as a Second Language

- French 12 (FSF4U)

Physical Education

- Personal and Fitness Activities 12 (PAF4O)
- Introductory Kinesiology 12 (PSK4U)

Social Sciences and Humanities

- Challenge and Change in Society 12 (HSB4U)
- Philosophy: Questions and Theories 12 (HZT4U)

Mathematics

- Advanced Functions 12 (MHF4U)
- Calculus & Vectors 12 (MCV4U)
- Data Management 12 (MDM4U)

GRADE 12

Science

- Biology 12 (SBI4U)
- Chemistry 12 (SCH4U)
- Physics 12 (SPH4U)
- Earth and Space Science 12 (SES4U)

Grade 12: Course Descriptions

Compulsory Courses:

ENG4U: English, Grade 12 (University Preparation - English) →1.0 Credit (Prerequisite: ENG3U) *This course emphasizes consolidation of literacy, critical thinking, and communication skills. Students will analyse a range of challenging texts from various time periods, countries, and cultures; write analytical and argumentative essays and a major paper for an independent literary research project; and apply key concepts to analyse media works. An important focus will be on understanding academic language and using it coherently and confidently in discussion and argument.*

Elective Courses:

ADA4M: Drama, Grade 12 (University/College Preparation - Art) →1.0 Credit (Prerequisite: ADA3M) *This course requires students to experiment individually and collaboratively with forms and conventions of both drama and theatre from various cultures and time periods. Students will interpret dramatic literature and other texts and media sources while learning about various theories of directing and acting. Students will examine the significance of dramatic arts in various cultures, and will analyse how the knowledge and skills developed in drama are related to their personal skills, social awareness, and goals beyond secondary school.*

AMU4M: Music Grade 12 (University Preparation - Art) →1.0 Credit (Prerequisite: AMU3M) *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.*

AVI4M: Visual Art, Grade 12 (University Preparation - Art) →1.0 Credit (Prerequisite: AVI3M) *This course focuses on enabling students to refine their use of the creative process when creating and presenting two- and three-dimensional art works using a variety of traditional and emerging media and technologies. Students will use the critical analysis process to deconstruct art works and explore connections between art and society. The studio program enables students to explore a range of materials, processes, and techniques that can be applied in their own art production. Students will also make connections between various works of art in personal, contemporary, historical, and cultural contexts.*

BBB4M: International Business Fundamentals, Grade 12, (University/College Preparation - Business Studies) →1.0 Credit (Prerequisite: None) *This course provides an overview of the importance of international business and trade in the global economy and explores the factors that influence success in international markets. Students will learn about the techniques and strategies associated with marketing, distribution, and managing international business effectively. This course prepares students for postsecondary programs in business, including international business, marketing, and management.*

BAT4M: Financial Accounting Principles, Grade 12 (University/College Preparation - Business Studies) →1.0 Credit (Prerequisite: BAF3M) *This course introduces students to advanced accounting principles that will prepare them for postsecondary studies in business. Students will learn about financial statements for various forms of business ownership and how those statements are interpreted in making business decisions. This course expands students' knowledge of sources of financing, further develops accounting methods for assets, and introduces accounting for partnerships and corporations.*

BOH4M: Business Leadership: Management Fundamentals, Grade 12 (University/College Preparation - Business Studies) →1.0 Credit (Prerequisite: None) *This course focuses on the development of leadership skills used in managing a successful business. Students will analyse the role of a leader in business, with a focus on decision making, management of group dynamics, workplace stress and conflict, motivation of employees, and planning. Effective business communication skills, ethics, and social responsibility are also emphasized.*

CIA4U: Analysing Current Economic Issues, Grade 12 (University Preparation - Canadian and World Studies) →1.0 Credit (Prerequisite: Any U/M preparation course in Canadian & World Studies, English, or Social Sciences & Humanities)
This course examines current Canadian and international economic issues, developments, policies, and practices from diverse perspectives. Students will explore the decisions that individuals and institutions, including governments, make in response to economic issues such as globalization, trade agreements, economic inequalities, regulation, and public spending. Students will apply the concepts of economic thinking and the economic inquiry process, as well as economic models and theories, to investigate, and develop informed opinions about, economic trade-offs, growth, and sustainability and related economic issues.

CGW4U: World Issues: A Geographic Analysis, Grade 12 (University Preparation - Canadian and World Studies) →1.0 Credit (Prerequisite: Any U/M preparation course in Canadian & World Studies, English, or Social Sciences & Humanities)
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.

CHY4U: World History since the Fifteenth Century, Grade 12 (University Preparation - Canadian and World Studies) →1.0 Credit (Prerequisite: Any U/M preparation course in Canadian & World Studies, English, or Social Sciences & Humanities)
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.

CLN4U: Canadian and International Law, Grade 12 (University Preparation - Canadian and World Studies) →1.0 Credit (Prerequisite: Any U/M preparation course in Canadian & World Studies, English, or Social Sciences & Humanities)
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.

CPW4U: Canadian and International Politics, Grade 12 (University Preparation - Canadian and World Studies) →1.0 Credit (Prerequisite: Any U/M preparation course in Canadian & World Studies, English, or Social Sciences & Humanities)
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.

ETS4U: Studies in Literature, Grade 12 (University Preparation - English) →1.0 Credit (Prerequisite: ENG3U)
This course is for students with a special interest in literature and literary criticism. The course may focus on themes, genres, time periods, or countries. Students will analyse a range of forms and stylistic elements of literary texts and respond personally, critically, and creatively to them. They will also assess critical interpretations, write analytical essays, and complete an independent study project.

EWC4U: The Writer's Craft, Grade 12 (University Preparation-English) →1.0 Credit (Prerequisite: ENG3U)
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.

FSF4U: Core French, Grade 12 (University Preparation - French as a Second Language) →1.0 Credit (Prerequisite: FSF3U) *This course provides extensive opportunities for students to speak and interact in French independently. Students will develop their listening, speaking, reading, and writing skills, apply language learning strategies in a wide variety of real-life situations, and develop their creative and critical thinking skills through responding to and interacting with a variety of oral and written texts. They will also enrich their understanding and appreciation of diverse French-speaking communities, and will develop skills necessary for lifelong language learning.*

HSB4U: Challenge and Change in Society, Grade 12 (University Preparation - Social Sciences & Humanities) → 1.0 Credit (Prerequisite: Any U/M preparation course in Canadian & World Studies, English, or Social Sciences & Humanities) *This course focuses on the use of social science theories, perspectives, and methodologies to investigate and explain shifts in knowledge, attitudes, beliefs, and behaviour and their impact on society. Students will critically analyse how and why cultural, social, and behavioural patterns change over time. They will explore the ideas of social theorists and use those ideas to analyse causes of and responses to challenges such as technological change, deviance, and global inequalities. Students will explore ways in which social science research methods can be used to study social change.*

HZT4U: Philosophy: Questions and Theories, Grade 12 (University Preparation - Social Sciences & Humanities) → 1.0 Credit (Prerequisite: Any U/M preparation course in Canadian & World Studies, English, or Social Sciences & Humanities) *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.*

ICS4U: Computer Science, Grade 12 (University Preparation - Computer Studies) →1.0 Credit (Prerequisite: ICS3U) *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.*

LWSDU: Spanish, Level 3 (University Preparation - Classical Studies & International Languages) → 1.0 Credit (Prerequisite: LWSCU) *This course offers students opportunities to further develop competence and confidence in listening, speaking, reading, and writing in the language of study. Students will participate in interactive activities (e.g., discussions about literature, travel, shopping) in which they will further develop their knowledge of linguistic elements. They will continue to explore aspects of culture in regions of the world where the language is spoken, including fashion, historical figures, art, and architecture. Students will enhance their critical and creative thinking skills through reading diverse materials, including original literature, and will explore a variety of personal and professional contexts in which knowledge of the international language is required.*

MCV4U: Calculus and Vectors, Grade 12 (University Preparation - Mathematics) → 1.0 Credit (Prerequisite: MCR3U, MHF4U must be taken before, or concurrently with Calculus and Vectors) *This course builds on students' previous experience with functions and their developing understanding of rates of change. Students will solve problems involving geometric and algebraic representations of vectors and representations of lines and planes in three-dimensional space; broaden their understanding of rates of change to include the derivatives of polynomial, sinusoidal, exponential, rational, and radical functions; and apply these concepts and skills to the modelling of real-world relationships. Students will also refine their use of the mathematical processes necessary for success in senior mathematics. This course is intended for students who choose to pursue careers in fields such as science, engineering, economics, and some areas of business, including those students who will be required to take a university-level calculus, linear algebra, or physics course.*

MDM4U: Mathematics of Data Management, Grade 12 (University Preparation - Mathematics-) → 1.0 Credit

(Prerequisite: MCR3U/MCF3M) *This course broadens students' understanding of mathematics as it relates to managing data. Students will apply methods for organizing and analysing large amounts of information; solve problems involving probability and statistics; and carry out a culminating investigation that integrates statistical concepts and skills. Students will also refine their use of the mathematical processes necessary for success in senior mathematics. Students planning to enter university programs in business, the social sciences, and the humanities will find this course of particular interest.*

MHF4U: Advanced Functions, Grade 12 (University Preparation - Mathematics) → 1.0 Credit (Prerequisite: MCR3U)

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

NDW4U: Contemporary Indigenous Issues and Perspectives in a Global Context, Grade 12 (University/College Preparation - First Nations, Métis, and Inuit Studies) → 1.0 Credit (Prerequisite: Any Grade 11 university, university/college, or college preparation course in First Nations, Métis, and Inuit Studies, Canadian and World Studies, or Social Sciences and Humanities)

This course examines global issues from the perspectives of Indigenous peoples. Students will explore the depth and diversity of Indigenous cultures, traditions, and knowledge. Students will consider how diverse Indigenous communities persevere despite current global environmental and economic trends, and will investigate topics such as identity, social justice, human rights, spirituality, resilience, and advocacy for change.

PAF40: Healthy Living and Personal and Fitness Activities, Grade 12 (Open - Health & Physical Education) → 1.0 Credit

(Prerequisite: None) *This course is designed to help students develop a personalized approach to active and healthy living.*

Students will demonstrate understanding of human anatomy in relation to activities, the relationship between healthy eating and performance, continuing an active lifestyle, and a positive self-image. Students will understand terminology associated with fitness training, a variety of training techniques, and develop advanced personalized training programs. Through daily fitness activities and training, students will develop discipline, commitment, and the opportunity to improve and maintain their health and fitness goals.

PSK4U: Introductory Kinesiology, Grade 12 (University Preparation - Health and Physical Education) → 1.0 Credit

(Prerequisite: Any Grade 11 U/M preparation course in Science, or any Grade 11 or 12 course in Health & Physical Education)

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

SBI4U: Biology, Grade 12 (University Preparation - Science) → 1.0 Credit (Prerequisite: SBI3U)

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.

SCH4U: Chemistry, Grade 12 (University Preparation - Science) → 1.0 Credit (Prerequisite: SCH3U)

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.

SPH4U: Physics, Grade 12 (University Preparation - Science) → 1.0 Credit (Prerequisite: SPH3U) *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 related to a variety of physics concepts and principles. Students will also consider the impact of technological applications of physics on society and the environment.*

SES4U: Earth and Space Science, Grade 12 (University Preparation - Science) → 1.0 Credit (Prerequisite: SNC2D) *This course develops students' understanding of Earth and its place in the universe. Students will investigate the properties of and forces in the universe and solar system and analyse techniques scientists use to generate knowledge about them. Students will closely examine the materials of Earth, its internal and surficial processes, and its geological history, and will learn how Earth's systems interact and how they have changed over time. Throughout the course, students will learn how these forces, processes, and materials affect their daily lives. The course draws on biology, chemistry, physics, and mathematics in its consideration of geological and astronomical processes that can be observed directly or inferred from other evidence.*

TGJ4M: Communications Technology, Grade 12 (University/College Preparation - Technological Education) → 1.0 Credit (Prerequisite: TGJ3M) *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.*

ADVANCED PLACEMENT (AP) +

In addition to the regular academic and university preparatory courses offered at Crestwood, we also offer **Advanced Placement (AP) courses**. These are courses provided by the Advanced Placement Program of the College Board. These courses give students an opportunity to take university-level courses and exams while still in high school.

High school teachers find that AP courses enhance their students' confidence and stimulate their academic interest. University faculty report that AP students are far better prepared for serious academic work.

Students take an AP course in conjunction with their regular high school courses and commit additional time to the necessary AP workload. Students also write their AP exam at an earlier date in May, and regular exams are in June. In July, these results are reported to the candidates, Crestwood and designated universities. Although these results do not affect admission to university, once registered, many universities in Canada, and most in the United States, grant transfer credits based on successful AP results.

Students wishing to take an AP course **MUST** register with the subject teacher of the prerequisite course before commencing an AP course at Crestwood.

Grade 11 & 12 AP courses are offered at Crestwood Preparatory College in the following subjects:

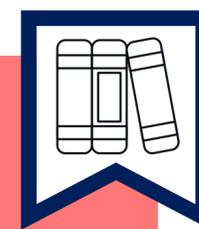
1. **Physics** – Grade 12
2. **Computer Science** – Grade 12
3. **French Language and Culture** – Grade 12
4. **Spanish Language and Culture** – Grade 12
5. **Biology** – Grade 12
6. **English Language and Culture** – Grade 12
7. **American History** – Grade 11
8. **World History** – Grade 12
9. **Visual Arts** – Grade 12
10. **English Literature and Composition** – Grade 12
11. **Chemistry** – Grade 12
12. **Economics** – Grade 12



POST-SECONDARY PLANNING



Arts, Social Sciences & Humanities



Grade 12

Required:

- ENG4U – English
- + 5 Courses

Recommended:

- ETS4U – Studies in Literature
- EWC4U – Writer’s Craft
- LVV4U – Classical Civilizations
- HZT4U – Philosophy
- HSB4U – Challenge and Change
- CHY4U – World History: The West and the World
- CGW4U – Canadian and World Issues
- CPW4U – Canadian and International Politics
- CLN4U – Canadian and International Law

Grade 11

Required:

- ENG3U – English
- MCR3U – Functions
- + 6 Courses

Recommended:

- ETC3M – Canadian Literature
- CHA3U – American History
- CHW3M – World History
- HSP3U – Intro to Anthropology, Psychology, and Sociology
- HRT3M – World Religions and Belief Traditions: Perspectives, Issues, and Challenges

Business



Grade 12

Required:

- ENG4U – English
- MHF4U – Advanced Functions
- MCV4U – Calculus and Vectors**
- + 3 Courses

Recommended:

- BAT4M – Financial Accounting Principles
- BOH4M – Business Leadership
- CIA4U – Analyzing Current Economic Issues

**Some universities may accept MDM4U as a substitute.

Grade 11

Required:

- ENG3U – English
- MCR3U – Functions
- + 6 Courses

Recommended:

- BAF3M – Financial Accounting Fundamentals
- BBB4M – International Business Fundamentals
- CIE3M – Economics: The Individual and the Economy

POST-SECONDARY PLANNING

Computer Science



Grade 12

Required:

- ENG4U – English
- MHF4U – Advanced Functions
- MCV4U – Calculus and Vectors
- SPH4U – Physics
- + 2 Courses

Recommended:

- ICS4U – Computer Science

Grade 11

Required:

- ENG3U – English
- MCR3U – Functions
- SPH3U – Physics
- + 5 Courses

Recommended:

- ICS3U – Introduction to Computer Science

Architecture



Grade 12

Required:

- ENG4U – English
- MHF4U – Advanced Functions
- MCV4U – Calculus and Vectors
- SPH4U – Physics
- AVI4M – Visual Arts
- + 1 Course

Grade 11

Required:

- ENG3U – English
- MCR3U – Functions
- SPH3U – Physics
- AVI3M – Visual Arts
- + 4 Courses

POST-SECONDARY PLANNING

Engineering

Grade 12

Required:

- ENG4U – English
- MHF4U – Advanced Functions
- MCV4U – Calculus and Vectors
- SCH4U – Chemistry
- SPH4U – Physics
- + 1 Course

Grade 11

Required:

- ENG3U – English
- MCR3U – Functions
- SCH3U – Chemistry
- SPH3U – Physics
- + 4 Courses



Sciences, Life Sciences & Medicals Sciences

Grade 12

Required:

- ENG4U – English
- MHF4U – Advanced Functions
- MCV4U – Calculus and Vectors
- SCH4U – Chemistry
- SBI4U – Biology
- + 1 Course

Grade 11

Required:

- ENG3U – English
- MCR3U – Functions
- SCH3U – Chemistry
- SBI3U – Biology
- + 4 Courses



POST-SECONDARY PLANNING



Kinesiology

Grade 12

Required:

- ENG4U – English
- MHF4U – Advanced Functions
- MCV4U – Calculus and Vectors
- SCH4U – Chemistry
- SBI4U – Biology
- + 1 Course

Recommended:

- PSK4U – Introductory Kinesiology
- PAF4O – Personal Fitness and Activities

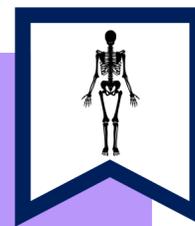
Grade 11

Required:

- ENG3U – English
- MCR3U – Functions
- SCH3U – Chemistry
- SBI3U – Biology
- + 4 Courses

Recommended:

- PPL3O – Healthy Active Living



Physical Health & Education

Grade 12

Required:

- ENG4U – English
- SBI4U – Biology
- + 4 Courses

Recommended:

- PSK4U – Introductory Kinesiology
- PAF4O – Personal Fitness and Activities

Grade 11

Required:

- ENG3U – English
- MCR3U – Functions
- SBI3U – Biology
- + 6 Courses

Recommended:

- PPL3O – Healthy Active Living



POST-SECONDARY PLANNING



Physical Sciences

Grade 12

Required:

- ENG4U – English
- MHF4U – Advanced Functions
- MCV4U – Calculus and Vectors
- SCH4U – Chemistry
- SPH4U – Physics
- + 1 Course

Grade 11

Required:

- ENG3U – English
- MCR3U – Functions
- SCH3U – Chemistry
- SPH3U – Physics
- + 4 Courses

