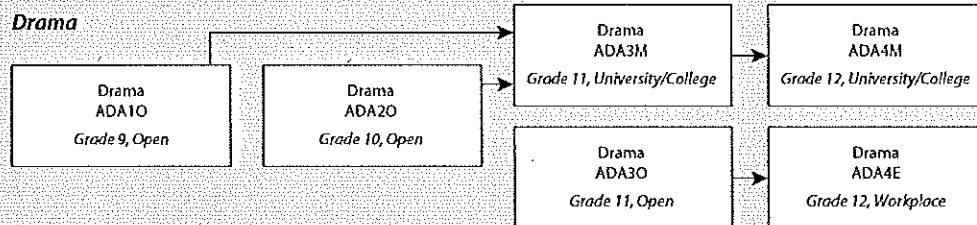
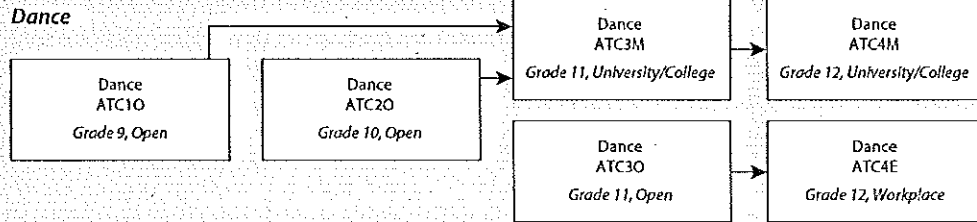
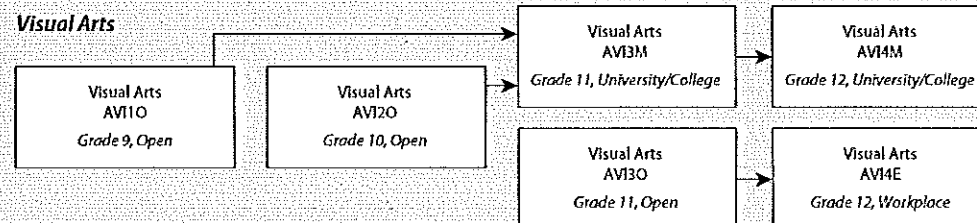
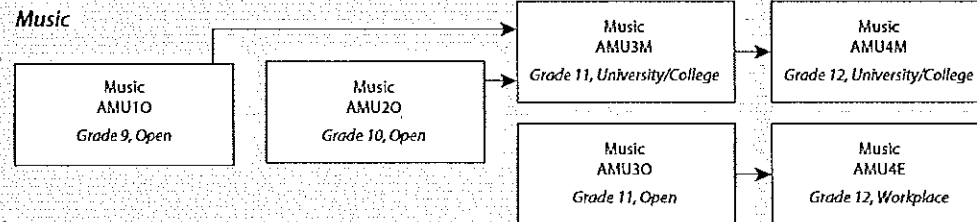
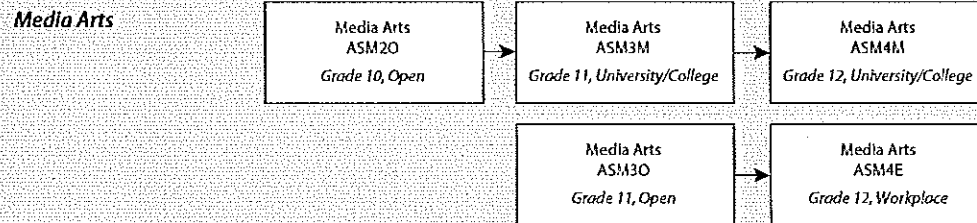
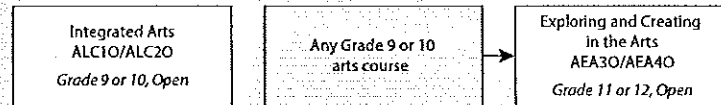


Prerequisite Charts for the Arts, Grades 9–12

These charts map out all the courses in the discipline and show the links between courses and the possible prerequisites for them. They do not attempt to depict all possible movements from course to course.



Integrated Arts / Exploring and Creating in the Arts



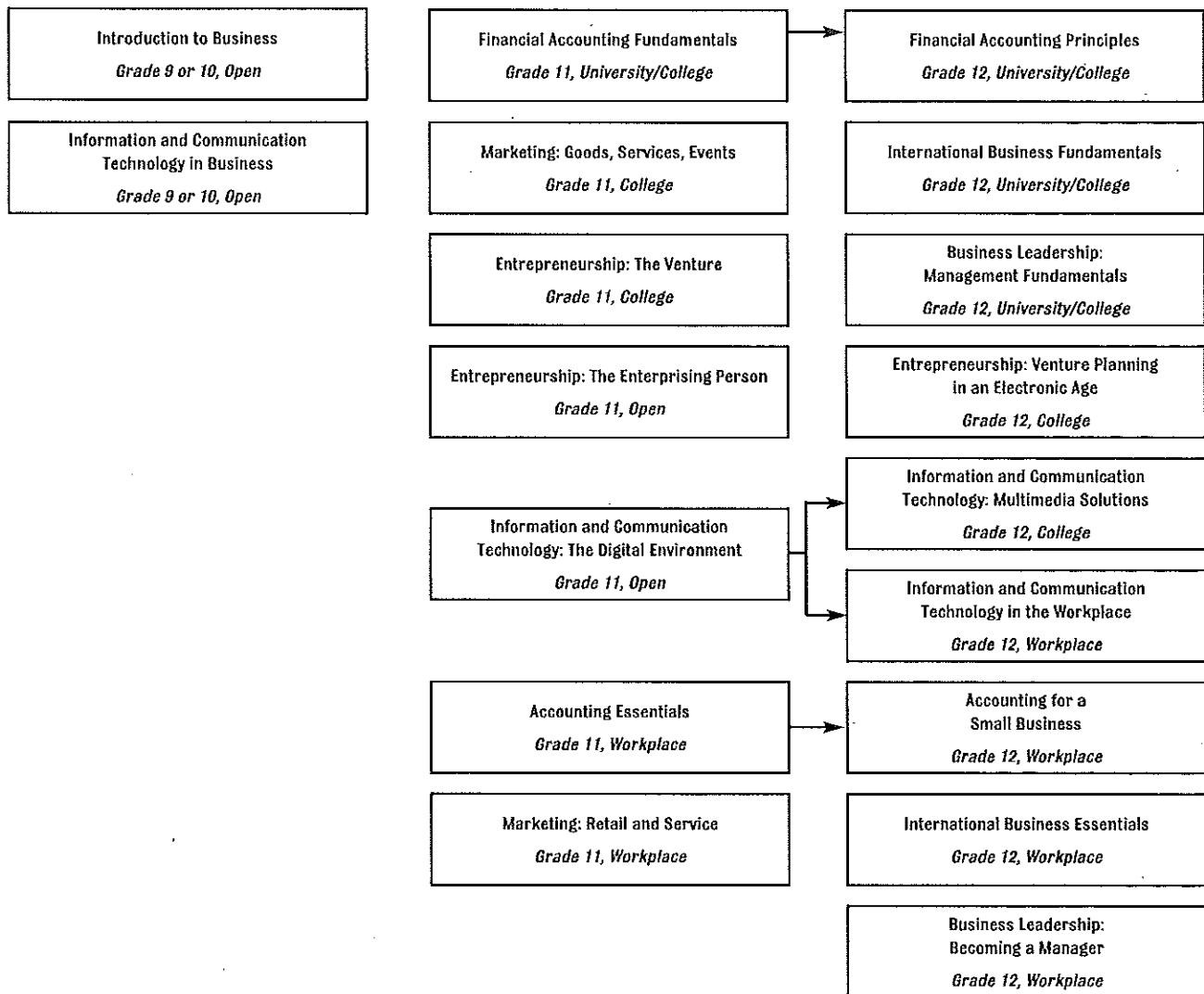
Courses in Business Studies, Grades 9 and 10

Grade	Course Name	Course Type	Course Code	Credit Value
9 or 10	Introduction to Business	Open	BBI1O BBI2O	1.0
9 or 10	Information and Communication Technology in Business	Open	BTT1O BTT2O	1.0

Note: There are no prerequisites for the courses listed above:

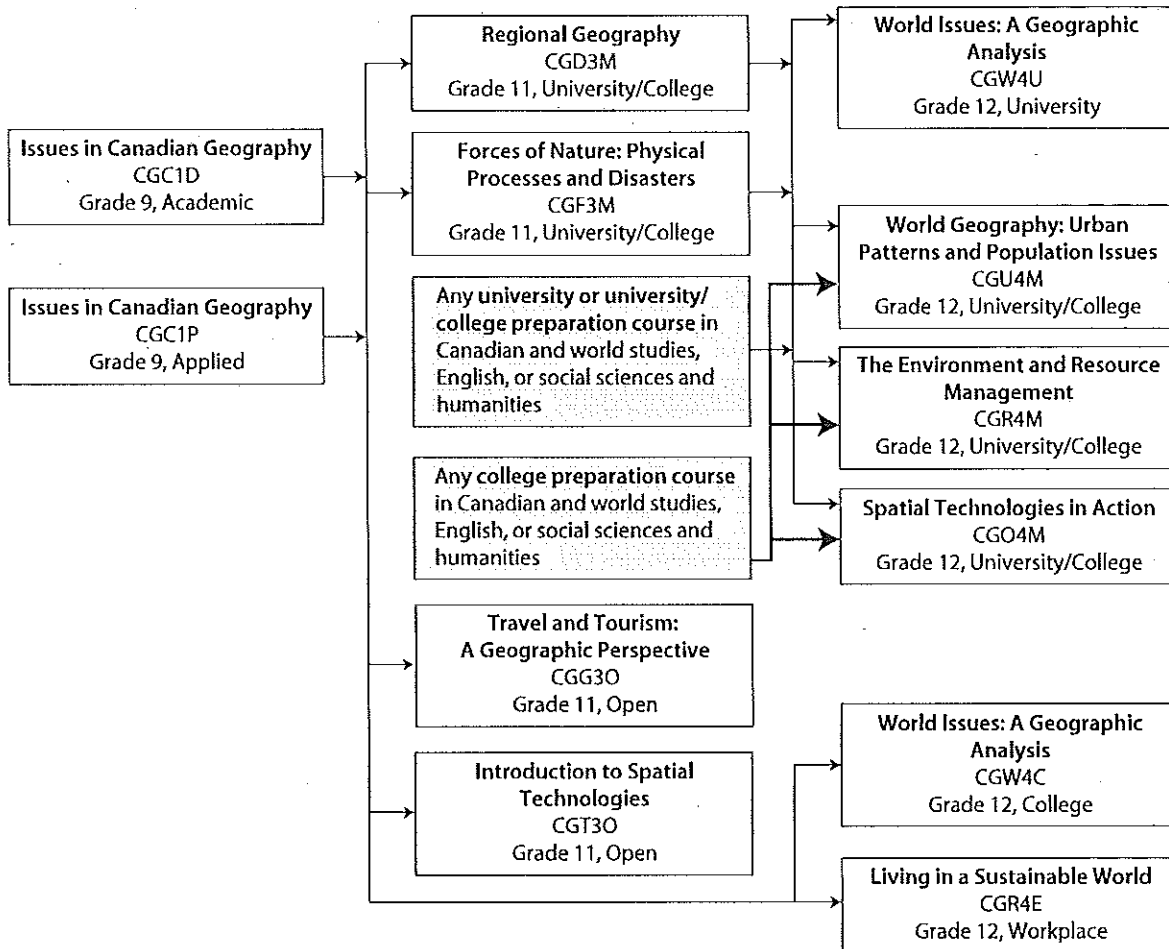
Prerequisite Chart for Business Studies, Grades 9–12

This chart maps out all the courses in the discipline and shows the links between courses and the possible prerequisites for them. It does not attempt to depict all possible movements from course to course.



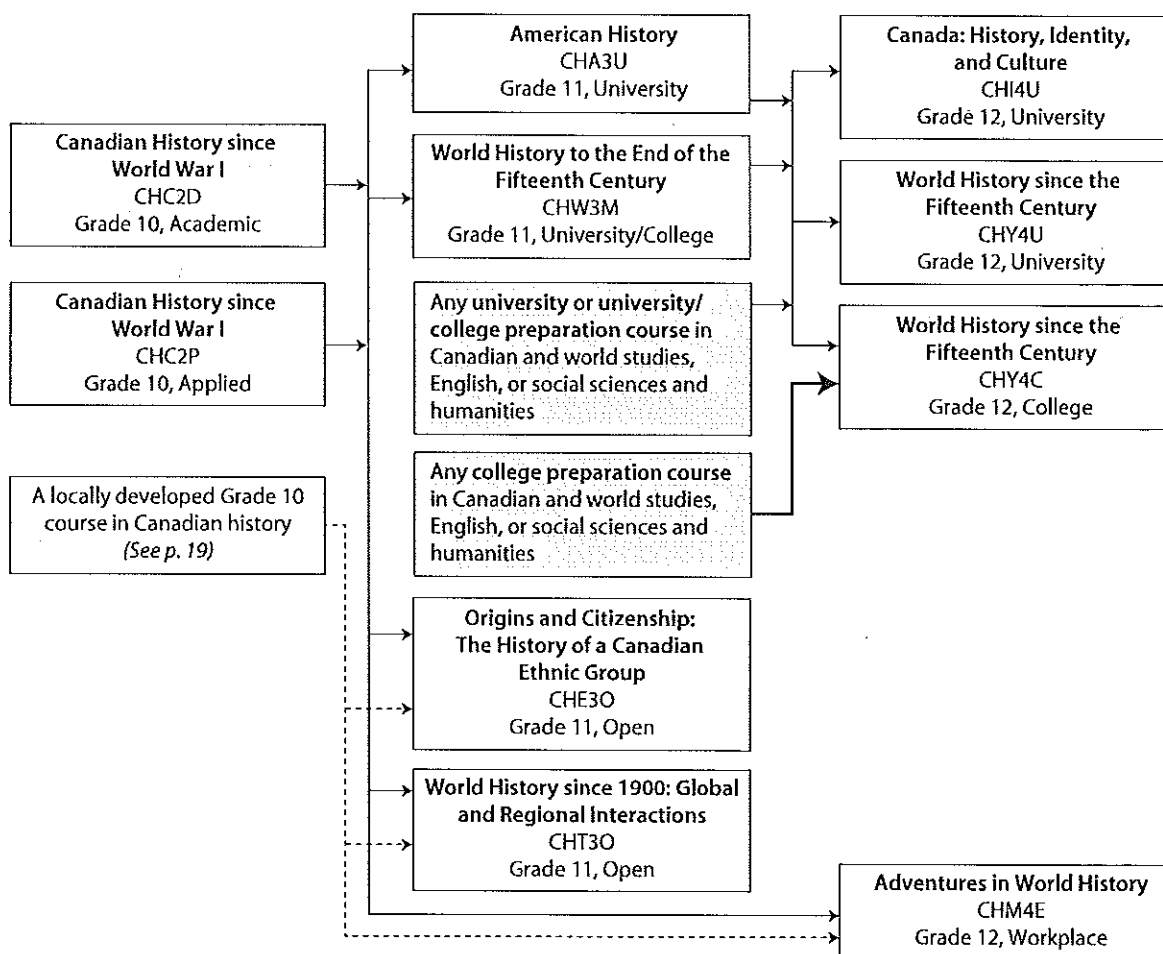
Prerequisite Chart for Canadian and World Studies, Grades 9–12 – Geography

This chart maps out all the courses in the discipline and shows the links between courses and the possible prerequisites for them. It does not attempt to depict all possible movements from course to course.



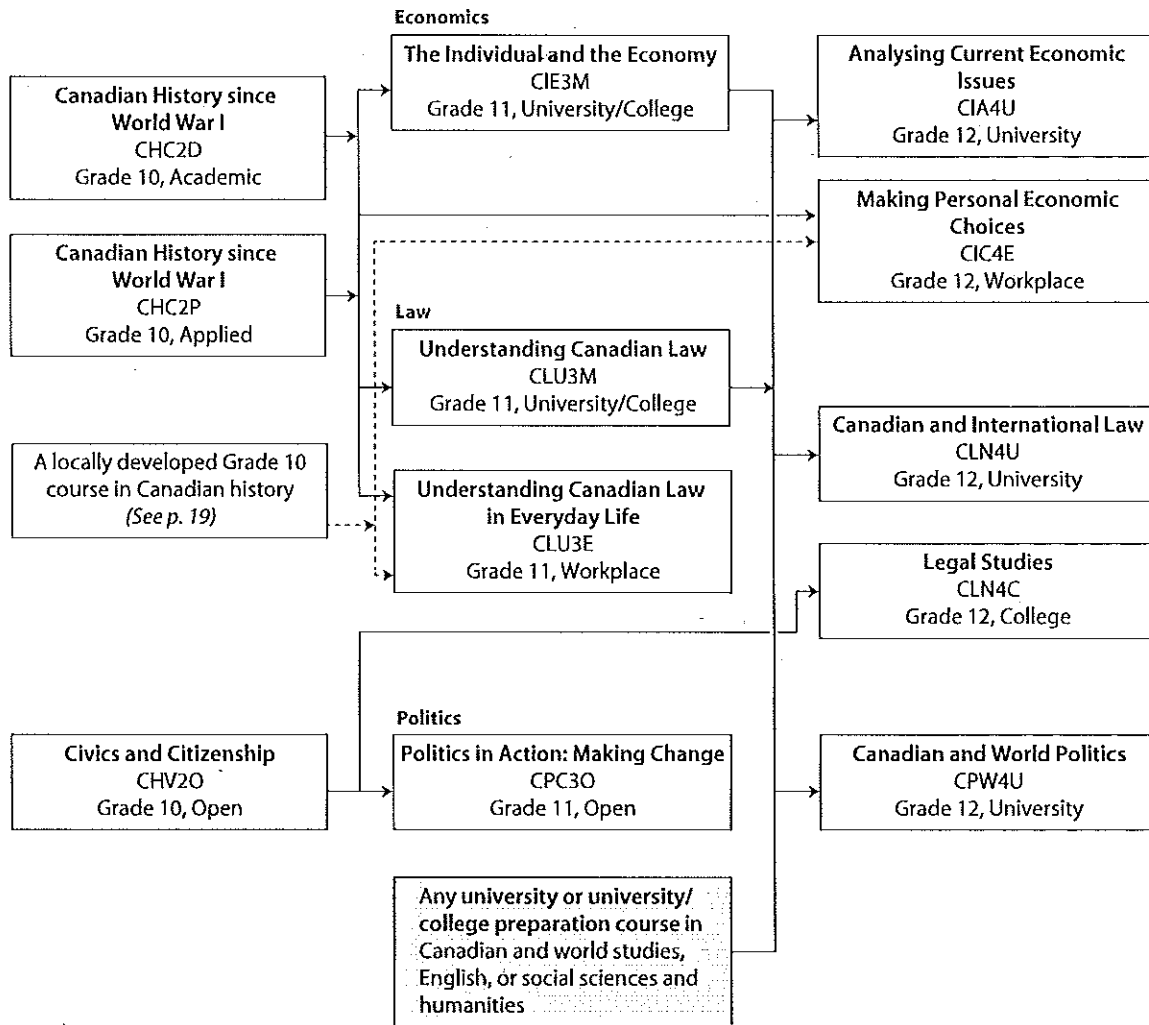
Prerequisite Chart for Canadian and World Studies, Grades 9–12 – History

This chart maps out all the courses in the discipline and shows the links between courses and the possible prerequisites for them. It does not attempt to depict all possible movements from course to course.



Prerequisite Chart for Canadian and World Studies, Grades 9–12 – Economics, Law, and Politics

This chart maps out all the courses in the discipline and shows the links between courses and the possible prerequisites for them. It does not attempt to depict all possible movements from course to course.



and as part of a team and using industry-standard programming tools and the software development life-cycle model; and investigate various computer science-related topics, such as cryptography and artificial intelligence.

The computer studies program is designed to enable students to select courses that relate to their interests and that will prepare them for further study or work in the field of their choosing. Computer studies courses are well suited for inclusion in programs that lead to a diploma with a Specialist High Skills Major designation. Whether students eventually work in the computer field or simply use computers, the computer studies program will provide them with a foundation for making informed decisions about their future plans.

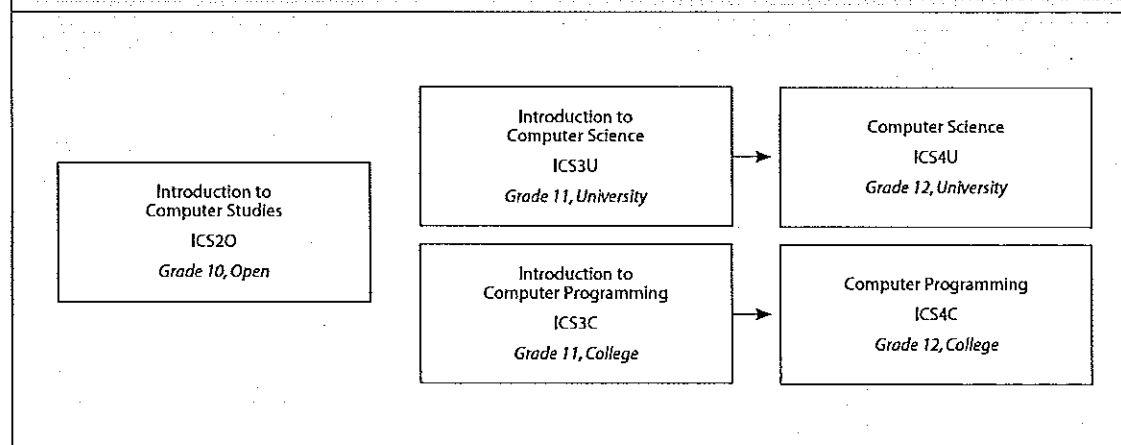
Courses in Computer Studies, Grades 10–12

Grade	Course Name	Course Type	Course Code	Prerequisite
10	Introduction to Computer Studies	Open	ICS2O	None
11	Introduction to Computer Science	University	ICS3U	None
11	Introduction to Computer Programming	College	ICS3C	None
12	Computer Science	University	ICS4U	Grade 11 Introduction to Computer Science, University
12	Computer Programming	College	ICS4C	Grade 11 Introduction to Computer Programming, College

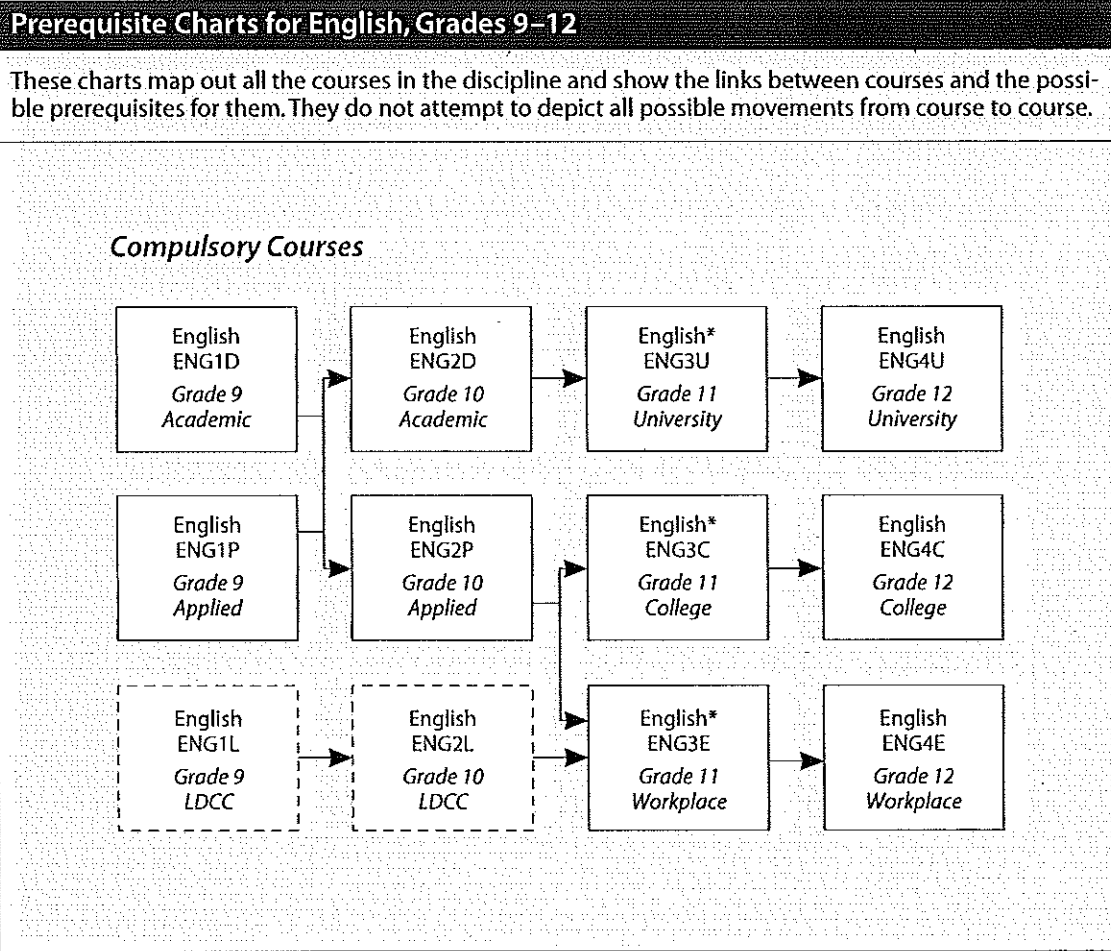
Note: Each of the courses listed above is worth one credit.

Prerequisite Chart for Computer Studies, Grades 10–12

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



Courses in English, Grades 9 and 10					
Grade	Course Name	Course Type	Course Code	Credit	Prerequisite
Compulsory Courses					
9	English	Academic	ENG1D	1	None
9	English	Applied	ENG1P	1	None
10	English	Academic	ENG2D	1	Grade 9 English, Academic or Applied
10	English	Applied	ENG2P	1	Grade 9 English, Academic or Applied
Optional Courses					
10	Literacy Skills: Reading and Writing	Open	ELS2O	1	Grade 9 English, Academic, Applied, or LDCC

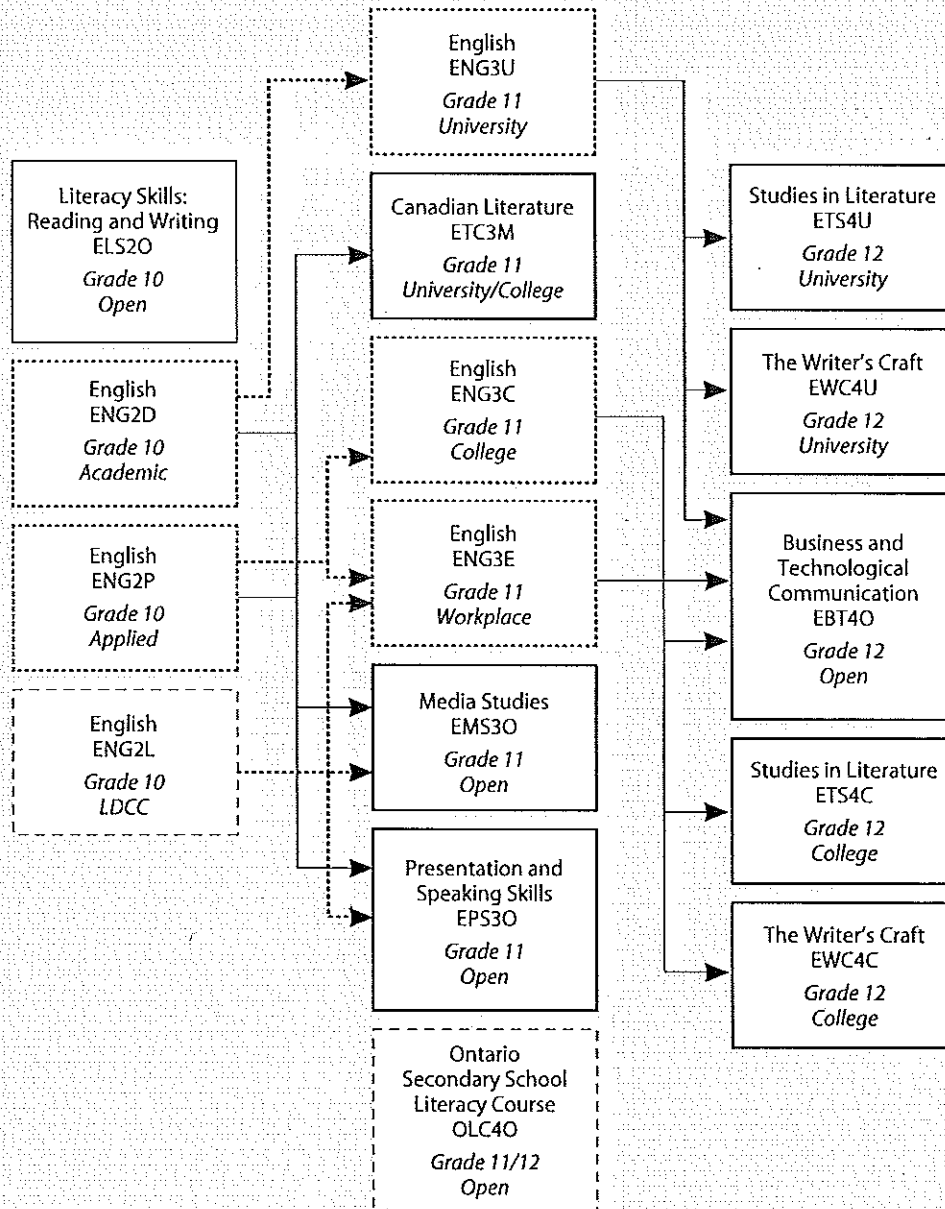


* Credit earned for the Grade 11 Native studies course English: Contemporary Aboriginal Voices (University, College, or Workplace Preparation) may be used to meet the Grade 11 compulsory credit requirement in English.

Notes:

- Dashed lines represent courses that are not outlined in this curriculum.
- LDCC – locally developed compulsory credit course

Optional Courses

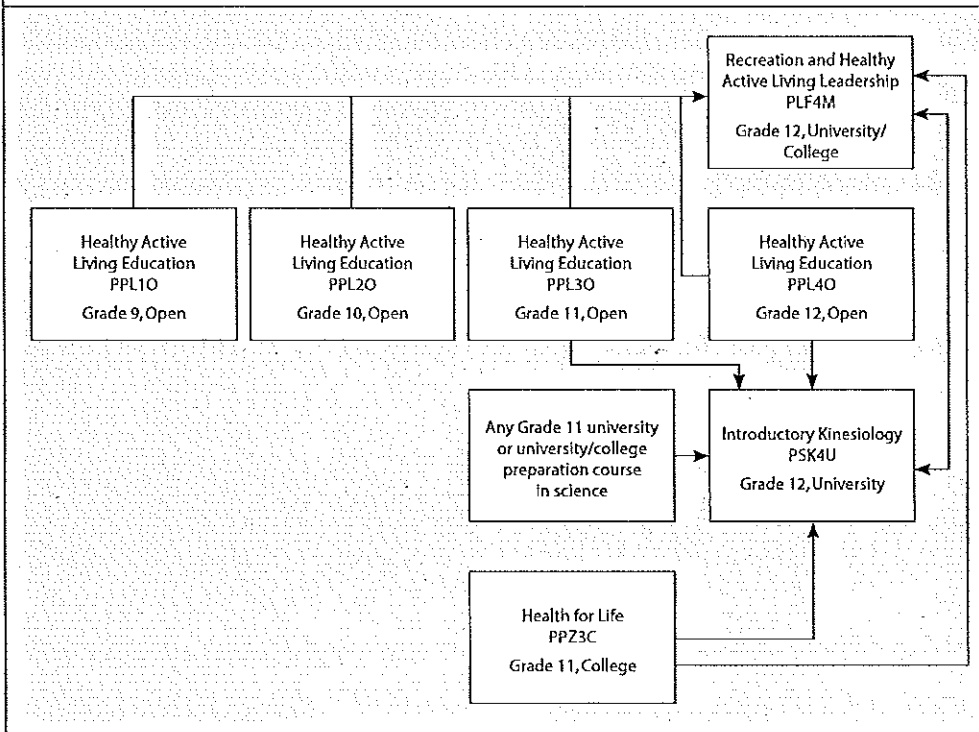


Notes:

- Dotted lines represent compulsory courses. Dashed lines represent courses that are not outlined in this document.
- LDCC – locally developed compulsory credit course

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

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



Note: Students can take more than one Healthy Active Living Education course for credit in each of Grades 9, 10, 11, and 12.

Half-Credit Courses

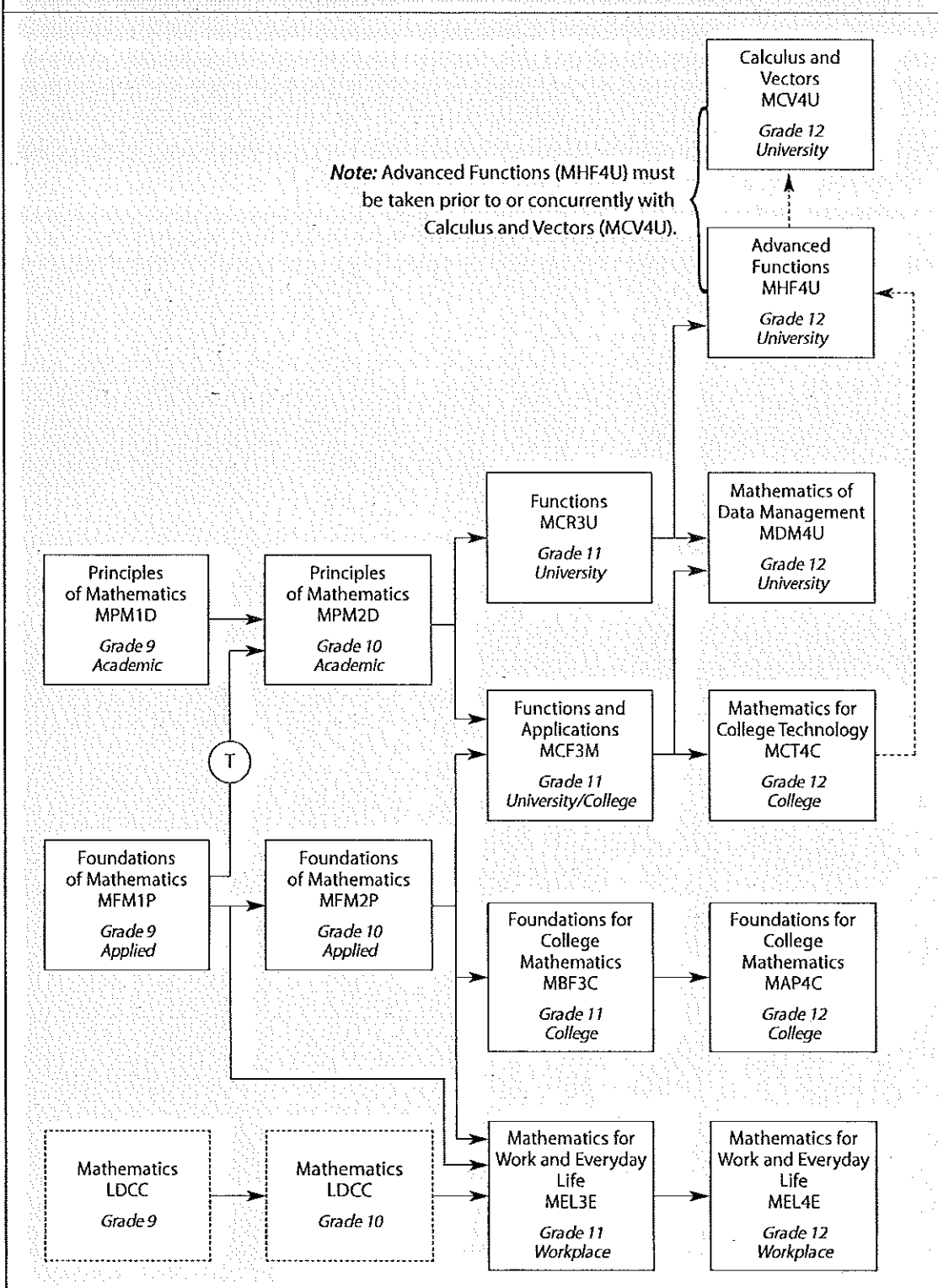
The courses outlined in this document are designed as full-credit courses. However, *with the exception of the Grade 12 university preparation and university/college preparation courses*, they may also be delivered as half-credit courses.

Half-credit courses, which require a minimum of fifty-five hours of scheduled instructional time, adhere to the following conditions:

- The two half-credit courses created from a full course must together contain all of the expectations of the full course. The expectations for each half-credit course must be drawn from all strands of the full course and must be divided in a manner that best enables students to achieve the required knowledge and skills in the allotted time.
- A course that is a prerequisite for another course in the secondary curriculum may be offered as two half-credit courses, but students must successfully complete both parts of the course to fulfil the prerequisite. (Students are not required to complete both parts unless the course is a prerequisite for another course they wish to take.)
- The title of each half-credit course must include the designation *Part 1* or *Part 2*. A half credit (0.5) will be recorded in the credit-value column of both the report card and the Ontario Student Transcript.

Prerequisite Chart for Mathematics, Grades 9–12

This chart maps out all the courses in the discipline and shows the links between courses and the possible prerequisites for them. It does not attempt to depict all possible movements from course to course.

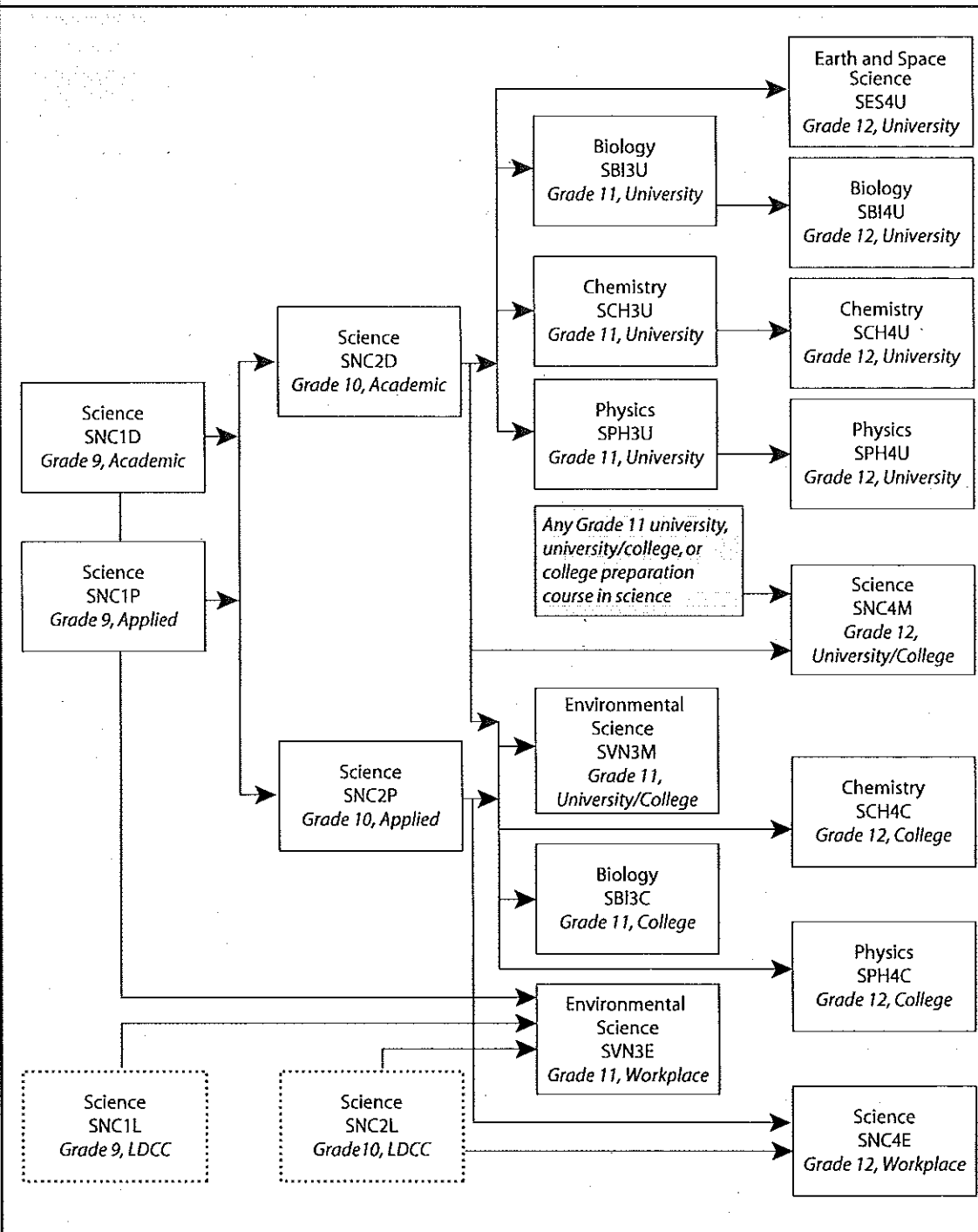


Notes:

- T – transfer course
- LDCC – locally developed compulsory credit course (LDCC courses are not outlined in this document.)

Prerequisite Chart for Science, Grades 9–12

This chart maps out all the courses in the discipline and shows the links between courses and the prerequisites for them. It does not attempt to depict all possible movements from course to course.



Note: Dotted lines represent locally developed compulsory credit courses (LDCCs), which are not outlined in this curriculum document.

Course Chart for Social Sciences and Humanities, Grades 9–12

This chart maps out all of the courses in the discipline by subject and grade, and indicates possible movement from course to course. It does not attempt to depict all possible movements from course to course. For an explanation of course codes, see the second note to the chart on page 16.

Grade 9	Grade 10	Grade 11	Grade 12
Equity Studies			
		Gender Studies (HSG3M)	Equity and Social Justice: From Theory to Practice (HSE4M)***
		Equity, Diversity, and Social Justice (HSE3E)	World Cultures (HSC4M)***
Family Studies			
<i>Fashion and Housing</i>			
Exploring Family Studies (HIF10)	OR	Exploring Family Studies (HIF20)	
		Clothing (HNL2O)	The World of Fashion (HNB4M)***
		Understanding Fashion (HNC3C)	
		Housing and Home Design (HLS3O)	
<i>Food and Nutrition</i>			
Exploring Family Studies (HIF10)	OR	Exploring Family Studies (HIF20)	Nutrition and Health (HFA4U)**
Food and Nutrition (HFN1O)	OR	Food and Nutrition (HFN2O)	Nutrition and Health (HFA4C)***
		Food and Culture (HFC3M)	
		Food and Culture (HFC3E)	Food and Healthy Living (HFL4E)

Grade 9	Grade 10	Grade 11	Grade 12
General Family Studies			
Exploring Family Studies (HIF10)	OR Exploring Family Studies (HIF20)	Dynamics of Human Relationships (HHD30)	Families in Canada (HHS4U)** Families in Canada (HHS4C)*** Human Development throughout the Lifespan (HHG4M)*** Personal Life Management (HIP4O)
Raising and Caring for Children			
Exploring Family Studies (HIF10)	OR Exploring Family Studies (HIF20)	Working with Infants and Young Children (HPW3C) Raising Healthy Children (HPC3O)	Working with School-Age Children and Adolescents (HPD4C)***
General Social Sciences			
		Introduction to Anthropology, Psychology, and Sociology (HSP3U)* Introduction to Anthropology, Psychology, and Sociology (HSP3C)	Challenge and Change in Society (HSB4U)**

Grade 9	Grade 10	Grade 11	Grade 12
Philosophy			
		Philosophy: The Big Questions (HZB3M)	Philosophy: Questions and Theories (HZT4U)**
World Religions			
		World Religions and Belief Traditions: Perspectives, Issues, and Challenges (HRT3M)	
		World Religions and Belief Traditions in Daily Life (HRF3O)	

* **Prerequisite:** The Grade 10 academic course in English, or the Grade 10 academic history course (Canadian and world studies)

** **Prerequisite:** Any Grade 11 or 12 university or university/college preparation course in social sciences and humanities, English, or Canadian and world studies

*** **Prerequisite:** Any Grade 11 or 12 university, college, or university/college preparation course in social sciences and humanities, English, or Canadian and world studies

Half-Credit Courses

The courses outlined in the Grade 9 to 12 social sciences and humanities curriculum document are designed as full-credit courses. However, *with the exception of Grade 12 university and university/college preparation courses*, they may also be delivered as half-credit courses.

Half-credit courses, which require a minimum of fifty-five hours of scheduled instructional time, adhere to the following conditions:

- The two half-credit courses created from a full course must together contain all of the expectations of the full course. The expectations for each half-credit course must be drawn from all strands of the full course and must be divided in a manner that best enables students to achieve the required knowledge and skills in the allotted time.
- A course that is a prerequisite for another course in the secondary curriculum may be offered as two half-credit courses, but students must successfully complete both parts of the course to fulfil the prerequisite. (Students are not required to complete both parts unless the course is a prerequisite for another course they wish to take.)
- The title of each half-credit course must include the designation *Part 1* or *Part 2*. A half credit (0.5) will be recorded in the credit-value column of both the report card and the Ontario Student Transcript.

Prerequisite Charts for Technological Education, Grades 9–12

These charts map out all the courses in the discipline and show the links between courses and the possible prerequisites for them. They do not attempt to depict all possible movements from course to course.

Communications Technology

Exploring Technologies /
Exploring Communications
Technology
TJ10 / TJ10
Grade 9, Open

Communications
Technology
TGJ20
Grade 10, Open

Communications
Technology
TGJ3M
Grade 11, University/College

Communications
Technology
TGJ4M
Grade 12, University/College

Communications
Technology:
Broadcast and Print
Production
TGJ30
Grade 11, Open

Communications
Technology:
Digital Imagery and
Web Design
TGJ40
Grade 12, Open

Computer Technology

Exploring Technologies /
Exploring Computer
Technology
TJ10 / TEJ10
Grade 9, Open

Computer
Technology
TEJ20
Grade 10, Open

Computer Engineering
Technology
TEJ3M
Grade 11, University/College

Computer Engineering
Technology
TEJ4M
Grade 12, University/College

Computer
Technology
TEJ3E
Grade 11, Workplace

Computer
Technology
TEJ4E
Grade 12, Workplace

Construction Technology

Exploring Technologies /
Exploring Construction
Technology
TJ10 / TCJ10
Grade 9, Open

Construction
Technology
TCJ20
Grade 10, Open

Construction Engineering
Technology
TCJ3C
Grade 11, College

Construction Engineering
Technology
TCJ4C
Grade 12, College

Construction
Technology
TCJ3E
Grade 11, Workplace

Construction
Technology
TCJ4E
Grade 12, Workplace

Custom
Woodworking
TWJ3E
Grade 11, Workplace

Custom
Woodworking
TWJ4E
Grade 12, Workplace

Green Industries

Exploring Technologies /
Exploring Green Industries
TJ10 / THJ10
Grade 9, Open

Green
Industries
THJ20
Grade 10, Open

Green Industries
THJ3M
Grade 11, University/College

Green Industries
THJ4M
Grade 12, University/College

Green Industries
THJ3E
Grade 11, Workplace

Green Industries
THJ4E
Grade 12, Workplace

Hairstyling and Aesthetics

Exploring Technologies /
Exploring Hairstyling and
Aesthetics
TJ10 / TXJ10
Grade 9, Open

Hairstyling and
Aesthetics
TXJ20
Grade 10, Open

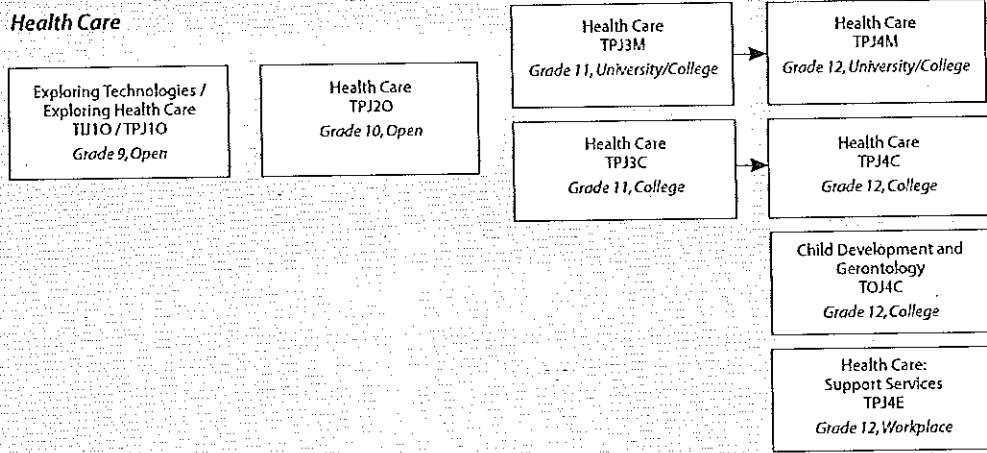
Hairstyling and
Aesthetics
TXJ3E
Grade 11, Workplace

Hairstyling and
Aesthetics
TXJ4E
Grade 12, Workplace

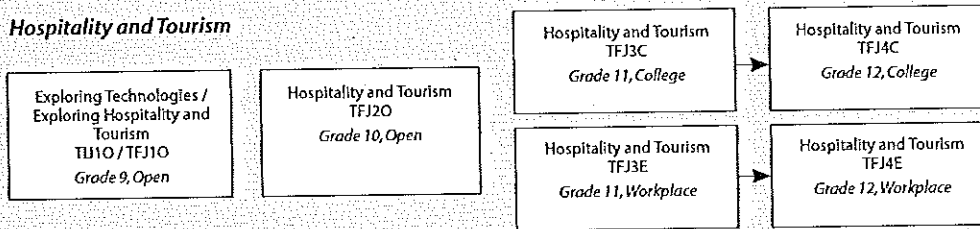
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Prerequisite Charts for Technological Education, Grades 9–12 (continued)

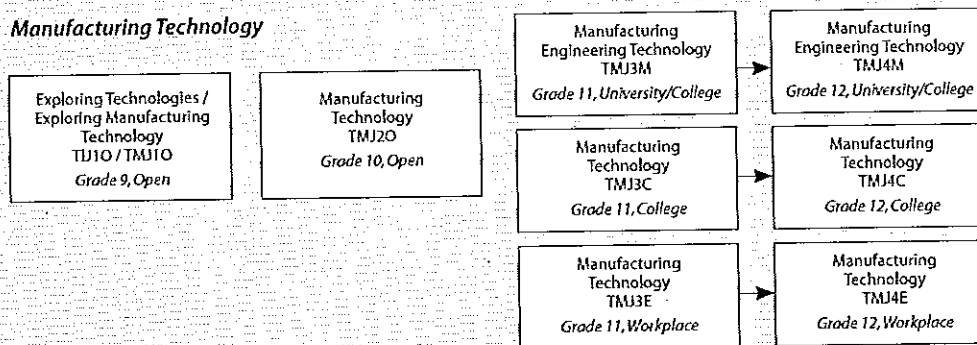
Health Care



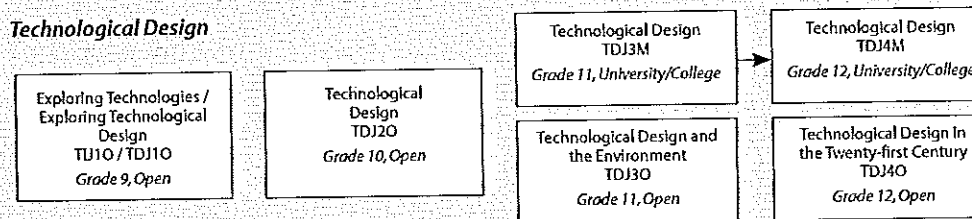
Hospitality and Tourism



Manufacturing Technology



Technological Design



Transportation Technology

