

Western Tech Course&Prereq List for 2009-2010

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Code	Title	Description	Prerequisite(s)
ADA201	Grade 10 - Dramatic Arts - Open	This course requires students to actively explore dramatic forms and techniques, using their own ideas and concerns as well as sources selected from a wide range of authors, genres, and cultures. Student learning will include identifying and using the principles of space, time, voice, and movement in creating, sustaining, and communicating authentic roles within a drama. Students will assume responsibility for decisions made in the creation and presentation of the drama, and will analyze and reflect on the experience.	None
ADD3M1	Grade 11 - Dramatic Arts - Production - C/U	No Description Found	ADA20
AMI101	Grade 09 - Music - Instrumental - Band - Open	Students will focus their work on the various aspects of musical performance through the study of a woodwind, brass or percussion instrument in a band setting.	None
AMI201	Grade 10 - Music - Instrumental - Band - Open	This band performance course emphasizes the performance of music at an intermediate level that strikes a balance between challenge and skill. Students will learn the art of perceptive listening and the importance of team work in both small and large group settings.	None
AMI3M1	Grade 11 - Music - Instrumental - Band - C/U	This course emphasizes the appreciation, analysis, and performance of various kinds of music, including baroque and classical music, popular music, and Canadian and non-Western music. Students will continue to increase their understanding of the elements of music while further developing their technical and imaginative abilities. A solid theoretical background is assumed.	AMI20
AMS101	Grade 09 - Music - Instrumental - Strings - Open	The desire to communicate closely with others through music and the development of focus and self-discipline over the long run are fundamental characteristics of a string musician. You will develop both your playing and listening skills in a historical context and in an essentially small-group setting.	None
AMS103	Grade 09 - Music - Instrumental - Strings - Enriched	The desire to communicate closely with others through music and the development of focus and self-discipline over the long run are fundamental characteristics of a string musician. You will develop both your playing and listening skills in a historical context and in an essentially small-group setting.	None
AMS106	Grade 09 - Music - Instrumental - Strings - Gifted	The desire to communicate closely with others through music and the development of focus and self-discipline over the long run are fundamental characteristics of a string musician. You will develop both your playing and listening skills in a historical context and in an essentially small-group setting.	None
AMS201	Grade 10 - Music - Instrumental - Strings - Open	As a strings student, you have a firm commitment to excellence and the desire to work tirelessly toward your goals. Through string ensemble work and challenging repertoire you will fine tune you're playing and listening skills. Have you always wanted to play the violin? Beginners are welcome.	None
AMS3M1	Grade 11 - Music - Instrumental - Strings - C/U	By the end of this course, students will demonstrate an understanding of the elements of music in relation to music of the baroque and classical periods, popular music, Canadian and non-Western music. Students will also demonstrate the ability to rotate rhythmic patterns, melodies and chords accurately through listening. Your strings background is assumed.	AMS20

AMU4M1	Grade 12 - Music - C/U	This course focuses on advanced work in the study of musical forms. Through listening, performing, and creative activities, students achieve increased understanding of some of the more complex concepts of structure and style. The works selected for intensive study determines the specific skills and techniques developed. At least eight works are selected for formal study, including at least one from each of the following categories: Canadian music, renaissance and baroque music, classical music, romantic music, and twentieth century music outside Canada. The creation and development of independent study projects are important components of the course.	AMI3M,AMS3M
AVI2O1	Grade 10 - Visual Art - Open	This course emphasizes learning through practice; building on what students know; and introducing them to new ideas, materials, and processes for artistic thinking and experimentation. Student learning will include the refined application of the elements and principles of design, incorporating the creative and design processes, and the relationship between form and content. Students will also learn about the connections between works of art and their historical context.	AWD1O,AVI1O
AVI3M1	Grade 11 - Visual Art - C/U	This course provides students with opportunities to further develop their skills and knowledge in visual arts. Students will explore a range of subject matter through studio activities, and will consolidate their practical skills. Students will also analyze art works and study aspects of Western art history, as well as Canadian art forms and art forms from various parts of the world.	AVI2O
AVI4M1	Grade 12 - Visual Art - C/U	This course focuses on the refinement of students' skills and knowledge in visual arts. Students will analyze art forms; use theories of art in analyzing and producing art; and increase their understanding of stylistic changes in modern and contemporary Western Art, Canadian (including Native Canadian) Art, and art forms from various parts of the world. Students will produce a body of work demonstrating a personal approach.	AVI3M,AWS3M
AWD1O1	Grade 09 - Visual Art - Applied Design	Students will study in depth how the elements and principles of design are applied in various art forms. This course is a prerequisite for many of the Communication Technology courses offered at Western in grades 9-12.	None
AWD1OP	Grade 09 - Computers & Art (CyberARTS) - Open	Both traditional and computer art skills are stressed in this course. Developing expertise as an effective visual communicator will be the focus of this course. The Elements and Principles of Design, as studied in Grade 9 and 10 Art, are the foundational building blocks for all projects.	None
AWD2OP	Grade 10 - Computers & Art (CyberARTS) - Open	Both traditional and computer art skills are stressed in this course. Developing expertise as an effective visual communicator will be the focus of this course. The Elements and Principles of Design, as studied in Grade 9 and 10 Art, are the foundational building blocks for all projects.	AWD1OP,TGJ1OP
AWS3M1	Grade 11 - Computers & Art (CyberARTS) - C/U	Both traditional and computer art skills are stressed in this course. Developing expertise as an effective visual communicator will be the focus of this course. The Elements and Principles of Design, as studied in Grade 9 and 10 Art, are the foundational building blocks for all projects.	AWD2OP,TGJ2OP
AWS4M1	Grade 12 - Computers & Art (CyberARTS) - C/U	Both traditional and computer art skills are stressed in this course. Developing expertise as an effective visual communicator will be the focus of this course. The Elements and Principles of Design, as studied in Grade 9 and 10 Art, are the foundational building blocks for all projects.	AWS3M,TGJ3MA,TGJ3M2,TGJ3M3

BAF3M1	Grade 11 - Intro to Financial Accounting - C/U	This course introduces students to the fundamental principles and procedures of accounting, with emphasis on accounting procedures used in service and merchandising businesses. Students will develop an understanding of the connections between financial analysis, control, and decision making in the management of a business, as well as the effects of technology and globalization on accounting procedures and the role of the accountant.	None
BAT4M1	Grade 12 - Financial Accounting Principles - C/U	This accounting course emphasizes the study of accounting principles related to financial statements. Students will learn how the information is used in making business decisions. Students will learn about the ways in which the strength of a corporation can be determined through the reading of financial statements.	BAF3M
BBB4M1	Grade 12 - Intro to International Business - C/U	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.	None
BBI2O1	Grade 10 - Intro to Business - Open	This course introduces students to the world of business, including the concepts, functions, and skills required for meeting the challenges of operating a business in the twenty-first century on a local, national, and/or international scale. Students will learn concepts and skills related to personal finance, banking, saving and investing, entrepreneurship, and international business.	None
BDV4C1	Grade 12 - Entrepreneurship: Venture Planning in an Electronic Age - College	This course provides students with the opportunity to develop and apply entrepreneurial skills through the creation of a venture plan that capitalizes on the potential of e-commerce. Students will research and identify an opportunity for a venture. They will then complete the components of a venture plan that includes a website.	None
BMI3C1	Grade 11 - Intro to Marketing - College	This course focuses on developing knowledge and applying skills in the context of retail and services marketing. Students will learn the importance of customer service, analyze the methods used to maintain customer loyalty, examine ways in which product presentation influences buyers, and investigate the critical factors in inventory control, including the role of technology.	None
BMX3E1	Grade 11 - Marketing: Retail and Service - Workplace	This course focuses on marketing activities in the retail and service sectors. Students will examine trends and global influences on marketing decisions, and will learn about the importance of customer service in developing a customer base and maintaining customer loyalty. Through hands-on learning, students will develop personal selling and information technology skills that will prepare them for a variety of marketing-related positions in the workplace.	None
CAS331	Grade 11 - History of Africa & its Descendants - Open	This course investigates the history of African peoples from ancient times to the present and traces of their influence throughout the Diaspora with a special focus on Canada, the Caribbean and the United States. Students will analyze diverse societies and cultures with particular regard to the social, economic and political structures and historical forces that form the foundation of these communities.	CHC2D,CHC2P

CGC1D1	Grade 09 - Geography of Canada - Academic	This course draws on a variety of frameworks, such as the ecozone framework, and principles of physical, human, and economic geography, to explore Canada's distinct and evolving character. Students will investigate the interconnections among the landforms, climate, soils, plants, animals, and human activities in Canadian ecozones to develop geographic knowledge and skills that contribute to an understanding of Canada's diversity and its role in the world.	None
CGC1D3	Grade 09 - Geography of Canada - Enriched	This course draws on a variety of frameworks, such as the ecozone framework, and principles of physical, human, and economic geography, to explore Canada's distinct and evolving character. Students will investigate the interconnections among the landforms, climate, soils, plants, animals, and human activities in Canadian ecozones to develop geographic knowledge and skills that contribute to an understanding of Canada's diversity and its role in the world.	None
CGC1D6	Grade 09 - Geography of Canada - Gifted	This course draws on a variety of frameworks, such as the ecozone framework, and principles of physical, human, and economic geography, to explore Canada's distinct and evolving character. Students will investigate the interconnections among the landforms, climate, soils, plants, animals, and human activities in Canadian ecozones to develop geographic knowledge and skills that contribute to an understanding of Canada's diversity and its role in the world.	None
CGC1D8	Grade 09 - Geography of Canada - Academic	This course draws on a variety of frameworks, such as the ecozone framework, and principles of physical, human, and economic geography, to explore Canada's distinct and evolving character. Students will investigate the interconnections among the landforms, climate, soils, plants, animals, and human activities in Canadian ecozones to develop geographic knowledge and skills that contribute to an understanding of Canada's diversity and its role in the world.	ESLAO,ESLBO,ESLCO,ESLDO,ESLEO
CGC1P1	Grade 09 - Geography of Canada - Applied	This course draws upon students' everyday experiences and uses a variety of frameworks, including the ecozone framework, to help students learn about the geography of Canada and the country's place in the global community. Students will investigate the interconnections among the country's land forms, climates, soils, plants, animals, and human activities in order to understand Canada's character and diversity.	None
CGC1P8	Grade 09 - Geography of Canada - Applied	This course draws upon students' everyday experiences and uses a variety of frameworks, including the ecozone framework, to help students learn about the geography of Canada and the country's place in the global community. Students will investigate the interconnections among the country's land forms, climates, soils, plants, animals, and human activities in order to understand Canada's character and diversity.	ESLAO,ESLBO,ESLCO,ESLDO,ESLEO
CGC1P9	Grade 09 - Canadian Geography - Applied	This course draws upon students' everyday experiences and uses a variety of frameworks, including the ecozone framework, to help students learn about the geography of Canada and the country's place in the global community. Students will investigate the interconnections among the country's land forms, climates, soils, plants, animals, and human activities in order to understand Canada's character and diversity.	None

CGG3O1	Grade 11 - Travel & Tourism - Open	This course focuses on travel and tourism to examine the unique characteristics of selected world regions from a geographic perspective. Students will develop an understanding and appreciation of the ways in which the natural environments, economies, cultures, and other aspects of world regions interact.	CGC1D,CGC1P
CGO4M1	Grade 12 - Geographic Technology - C/U	This course examines the approaches and techniques that geographers and other professionals use to acquire, manage, map, analyze, and communicate information about the earth's surface. Students will receive a systematic introduction to the four pillars of geometrics – surveying, remote sensing, cartography, and geographic information systems (GIS) – and will learn how to apply their knowledge and skills to a variety of real-world situations relating to physical and human geography.	ENG3U,CLU3M,CHW3M,CAS33,CGO4M,CGW4U,CHY4U,CIA4U,CLN4U,CPW4U,HRT3M,HHS4M
CGW4U1	Grade 12 - Canadian & World Issues - U	This course draws on geographical concepts, skills, methods, and technologies to analyze significant issues facing Canadians as Citizens of an interdependent world. Students will examine the challenges of creating a sustainable and equitable future through the study of a range of topics, including economic interdependence; geopolitical conflict; regional disparities in the ability to meet basic human needs; and protection of the planet's life-support systems.	ENG3U,CLU3M,CHW3M,CAS33,CGO4M,CGW4U,CHY4U,CIA4U,CLN4U,CPW4U,HRT3M,HHS4M
CHC2D1	Grade 10 - Cdn History 20th Century - Academic	This course explores Canadian participation in global events and traces our development as a country through changes in population, economy, and technology. Students will analyze the elements that constitute Canadian identity, learn the stories of both individuals and communities, and study the evolution of political and social structures. Students will learn about differing interpretations of the past, and will come to understand the importance in historical studies of chronology and cause-and-effect relationships. They will also learn to develop and support a thesis, conduct research and analysis, and effectively communicate the results of their inquiries.	None
CHC2D3	Grade 10 - Cdn. History 20th Century - Enriched	This course explores Canadian participation in global events and traces our development as a country through changes in population, economy, and technology. Students will analyze the elements that constitute Canadian identity, learn the stories of both individuals and communities, and study the evolution of political and social structures. Students will learn about differing interpretations of the past, and will come to understand the importance in historical studies of chronology and cause-and-effect relationships. They will also learn to develop and support a thesis, conduct research and analysis, and effectively communicate the results of their inquiries.	None
CHC2D6	Grade 10 - Cdn. History 20th Century - Gifted	This course explores Canadian participation in global events and traces our development as a country through changes in population, economy, and technology. Students will analyze the elements that constitute Canadian identity, learn the stories of both individuals and communities, and study the evolution of political and social structures. Students will learn about differing interpretations of the past, and will come to understand the importance in historical studies of chronology and cause-and-effect relationships. They will also learn to develop and support a thesis, conduct research and analysis, and effectively communicate the results of their inquiries.	None

CHC2D8	Grade 10 - Canadian History - Academic	This course explores Canadian participation in global events and traces our development as a country through changes in population, economy, and technology. Students will analyze the elements that constitute Canadian identity, learn the stories of both individuals and communities, and study the evolution of political and social structures. Students will learn about differing interpretations of the past, and will come to understand the importance in historical studies of chronology and cause-and-effect relationships. They will also learn to develop and support a thesis, conduct research and analysis, and effectively communicate the results of their inquiries.	ESLBO,ESLCO,ESLDO,ESLEO
CHC2P1	Grade 10 - Cdn. History. 20th Century - Applied	This course traces Canadian history from Wilfrid Laurier's pronouncement that the twentieth century belongs to Canada to the United Nations' recognition of Canada as one of the best countries in which to live. Students will learn about various expressions of Canadian identity, the stories of individuals and communities, and changes in political and social structures. Students will discover the importance in historical studies of chronology and cause-and-effect relationships. As well, they will be given opportunities to formulate appropriate questions, develop informed opinions, and present information in a variety of ways.	None
CHC2P8	Grade 10 - Canadian History - Applied	This course traces Canadian history from Wilfrid Laurier's pronouncement that the twentieth century belongs to Canada to the united nations' recognition of Canada as one of the best countries in which to live. Students will learn about various expressions of Canadian identity, the stories of individuals and communities, and changes in political and social structures. Students will discover the importance in historical studies of chronology and cause-and-effect relationships. As well, they will be given opportunities to formulate appropriate questions, develop informed opinions, and present information in a variety of ways.	ESLBO,ESLCO,ESLDO,ESLEO
CHC2P9	Grade 10 - Canadian History - CORE	This course traces Canadian history from Wilfrid Laurier's pronouncement that the twentieth century belongs to Canada to the united nations' recognition of Canada as one of the best countries in which to live. Students will learn about various expressions of Canadian identity, the stories of individuals and communities, and changes in political and social structures. Students will discover the importance in historical studies of chronology and cause-and-effect relationships. As well, they will be given opportunities to formulate appropriate questions, develop informed opinions, and present information in a variety of ways.	None
CHV2O1	Grade 10 - Civics	No Description Found	None
CHV2O8	Grade 10 - Civics (for ESL students)	No Description Found	None
CHV2O9	Grade 10 - Civics (for SpecEd students)	No Description Found	None
CHW3M1	Grade 11 - World History to 16th Century - C/U	This course investigates the history of humanity from earliest times to the sixteenth century. Students will analyze diverse societies from around the world, with particular regard to the political, cultural, and economic structures and historical forces that form the foundation of the modern world. They will examine the influence of selected individuals and groups, as well as of particular innovations, and will develop skills of historical inquiry, organization, analysis and communication.	CHC2D,CHC2P

CHY4U1	Grade 12 - World History The West & the World - U	This course investigates the major trends in Western civilization and world history from the sixteenth century to the present. Students will learn about the interaction between the emerging West and other regions of the world and about the development of modern social, political, and economic systems. The skills and knowledge developed in this course will enable students to understand and appreciate both the character of historical change and the historical roots of contemporary issues.	ENG3U,CLU3M,CHW3M,CAS33,CGO4M,CGW4U,CHY4U,CIA4U,CLN4U,CPW4U,HRT3M,HHS4M
CIA4U1	Grade 12 - Analyzing Current Economic Issues - U	This course explores the choices that individuals and societies make about the use of resources in a competitive global economy. Students will use economic concepts and models, as well as methods of economic inquiry, to analyze current economic issues and make informed economic choices based on their analysis.	ENG3U,CLU3M,CHW3M,CAS33,CGO4M,CGW4U,CHY4U,CIA4U,CLN4U,CPW4U,HRT3M,HHS4M
CLN4U1	Grade 12 - Canadian & International Law - U	This course explores elements of Canadian law and the role of law in social, political, and global contexts. Students will learn about the connections between the historical and philosophical sources of law and issues in contemporary society. They will also learn to analyze legal issues, conduct independent research, and communicate the results of their inquiries in a variety of ways.	ENG3U,CLU3M,CHW3M,CAS33,CGO4M,CGW4U,CHY4U,CIA4U,CLN4U,CPW4U,HRT3M,HHS4M
CLU3M1	Grade 11 - Understanding Canadian Law - C/U	This course explores legal issues that directly affect students' lives. Students will acquire a practical knowledge of Canada's legal system and learn how to analyze legal issues. They will also be given opportunities to develop informed opinions on legal issues and to defend those opinions and communicate legal knowledge in a variety of ways and settings, including legal research projects, mock trials, and debates.	CHC2D,CHC2P
CO-OP2	Cooperative Education - 2 credits	A 2-credit course that integrates academic study with practical experience in business and industry. A company agrees to provide a half-day placement for one semester and designates an employee to supervise the learning in a one-on-one mentoring relationship.	None
CO-OP4	Cooperative Education - 4 credits	A 4-credit course that integrates academic study with practical experience in business and industry. A company agrees to provide a full-day placement for one semester and designates an employee to supervise the learning in a one-on-one mentoring relationship.	None
ELDAO8	Beginning Literacy, ELD Level A - Open	No Description Found	None
ELDBO8	Basic Literacy Skills, ELD Level B - Open	No Description Found	ELDAO
ELDCO8	Literacy in Daily Life, ELD Level C - Open	No Description Found	ELDBO
ELDDO8	Literacy for School and Work, ELD Level D - Open	No Description Found	ELDCO
EMS3O1	Grade 11 - Media Studies - Open	This course emphasizes the knowledge and skills that will enable students to better understand media communication from a historical and contemporary perspective, and to use media effectively and responsibly. Themes pertaining to media works, audiences and production will constitute the framework through which students will analyze the forms and messages of a variety of media works and audience responses. Through the creation of their own media works, students will develop interpretive skills, aesthetic and ethical appreciation, and skills in viewing, representing, listening, speaking, reading, writing and thinking critically.	ENG2P,ENG2D

ENG1D1	Grade 09 - English - Academic	This course emphasizes analytic reading, writing, oral communication, and thinking skills that students need for success in secondary school academic programs and their daily lives. Students will study and interpret texts from contemporary and historical periods, including plays, short stories, and short essays, and will investigate and create media works. An important focus will be the correct and effective use of spoken and written language.	None
ENG1D3	Grade 09 - English - Enriched	This course emphasizes the analytic reading, writing, oral communication, and critical thinking skills that students need for success in secondary school academic programs. Students will have opportunities to explore their own interests and work independently. Students will study and interpret texts from contemporary and historical periods, including plays, poems, short stories, folk tales, myths and novels, as well as expository texts such as news articles, editorials and short essays. They will also investigate, critique and create media works. An important focus will be the correct and effective use of spoken and written language, and the development of personal style and voice.	None
ENG1D6	Grade 09 - English - Gifted	This course emphasizes the analytic reading, writing, oral communication, and critical thinking skills that students need for success in secondary school academic programs. Students will have opportunities to explore their own interests and work independently. Students will study and interpret texts from contemporary and historical periods, including plays, poems, short stories, folk tales, myths and novels, as well as expository texts such as news articles, editorials and short essays. They will also investigate, critique and create media works. An important focus will be the correct and effective use of spoken and written language, and the development of personal style and voice.	None
ENG1L1	Grade 09 - English - Locally Developed	No Description Found	None
ENG1L9	Grade 09 - English - Essential CORE	No Description Found	None
ENG1P1	Grade 09 - English - Applied	This course emphasizes key reading, writing, oral communication, and thinking skills that students need for success in secondary school and their daily lives. Students will study plays, short stories, and newspaper and magazine articles, and will describe and create media works. An important focus will be the correct use of spoken and written language.	None
ENG1P9	Grade 09 - English - Applied CORE	This course emphasizes key reading, writing, oral communication, and thinking skills that students need for success in secondary school and their daily lives. Students will study plays, short stories, and newspaper and magazine articles, and will describe and create media works. An important focus will be the correct use of spoken and written language.	None
ENG2D1	Grade 10 - English - Academic	This course builds on the Grade 9 Academic English course: it extends the range of analytic, reading, writing, oral communication, and thinking skills that students need for success in secondary school academic programs. Students will study and interpret texts from contemporary and historical periods, including novels, poems, plays and opinion pieces; and analyze and create effective media works. An important focus will be the thoughtful use of spoken and written language.	ENG1D

ENG2D3	Grade 10 - English - Enriched	The Grade 10 Gifted English course extends the range of analytic, reading, writing, oral communication, and critical thinking skills that students need for success in secondary school academic programs. Students will study and interpret challenging texts from contemporary and historical periods, including novels, films, news articles, essays, poems, plays, and web sites. They will have opportunities to work independently and in groups. They will analyze and create effective media works, such as videos and advertisements. An important focus will be the thoughtful use of spoken and written language.	ENG1D6,ENG1D3
ENG2D6	Grade 10 - English - Gifted	The Grade 10 Gifted English course extends the range of analytic, reading, writing, oral communication, and critical thinking skills that students need for success in secondary school academic programs. Students will study and interpret challenging texts from contemporary and historical periods, including novels, films, news articles, essays, poems, plays, and web sites. They will have opportunities to work independently and in groups. They will analyze and create effective media works, such as videos and advertisements. An important focus will be the thoughtful use of spoken and written language.	ENG1D6,ENG1D3
ENG2L1	Grade 10 - English - Locally Developed	No Description Found	ENG1
ENG2L9	Grade 10 - English - Essential CORE	No Description Found	ENG1L9
ENG2P1	Grade 10 - English - Applied	This course builds on the Grade 9 Applied English course: it extends the range of key reading, writing, oral communication, and thinking skills that students need for success in secondary school programs. Students will study news articles, magazines and reports, short stories, novels, plays and films; and will examine, describe and produce media works. An important focus will be the correct use of spoken and written language.	ENG1P,ENG1D
ENG2P9	Grade 10 - English - Applied CORE	This course builds on the Grade 9 Applied English course: it extends the range of key reading, writing, oral communication, and thinking skills that students need for success in secondary school programs. Students will study news articles, magazines and reports, short stories, novels, plays and films; and will examine, describe and produce media works. An important focus will be the correct use of spoken and written language.	ENG1P9
ENG3C1	Grade 11 - English - College	This course emphasizes the development of literacy, critical thinking, and communication skills. Students will study the content, form, and style of informational texts and literary works from Canada and other countries; write stories, journals, poems, reports and essays; examine, analyze and create media works; and have opportunities to explore business and technical texts, forms and language. An important focus will be the precise and clear use of written and spoken language.	ENG2P,ENG2D
ENG3E1	Grade 11 - English - Workplace	This course emphasizes analytic reading, writing, oral communication, and thinking skills that students need for success in secondary school academic programs and their daily lives. Students will study and interpret texts from contemporary and historical periods, including plays, short stories and short essays and will investigate and create media works. An important focus will be the correct and effective use of spoken and written language.	ENG2L,ENG2P,ENG2D

ENG3U1	Grade 11 - English - University	This course promotes the development of literacy, critical thinking, and communication skills. Students will analyze challenging texts from various periods; conduct research and analyze the data; write persuasive and literary essays; and analyze the relationship among media forms, audiences, and media industry practices. The course emphasizes an understanding of some aspects of English language development, and the precise and clear use of written and spoken forms of expression.	ENG2D
ENG3U6	Grade 11 - English - Gifted/Enriched	This course emphasizes the development of higher level literacy, critical thinking, and communication skills. Students will analyze challenging texts from various periods; conduct research and analyze the data in order to draw conclusions; write persuasive, comparative and literary essays; and examine, analyze, critique and create media works. Students will have opportunities to work independently and explore personal interests through the selection of texts and activities. An important focus will be the relationship between form, style and content in texts.	ENG2D6,ENG2D3
ENG4C1	Grade 12 - English - College	This course emphasizes the consolidation of literacy, interpretive, and communication skills. Students will analyze informational texts and literary works from various time periods, countries, and cultures; write research reports, summaries, and short analytical essays; complete an independent study project; and analyze the connections among media forms, audiences, and media industry practices. An important focus will be the effective and appropriate use of oral and written language in everyday life and the world of work.	ENG3C,ENG3U
ENG4E1	Grade 12 - English - Workplace	This course emphasizes the consolidation of literacy, interpretive, and communication skills. Students will study informational texts and literature from various countries and cultures; write summaries, reports, résumés, and short essays; complete an independent research project; and explain the connections among media forms, audiences, and media industry practices. An important focus will be on using specialized language related to the workplace accurately and coherently in different contexts, and in various forms of written and oral expression.	ENG3E,ENG3C,ENG3U
ENG4U1	Grade 12 - English - University	This course emphasizes the consolidation of advanced literacy, interpretive, and communication skills. Students will analyze a range of challenging texts from various time periods, countries and cultures; write in a variety of modes and genres, including narrative and argumentative essays; conduct an independent literary research project; and apply key concepts to analyze media works. An important focus will be on understanding academic language and using it coherently and confidently in discussion and argument.	ENG3U
ENG4U6	Grade 12 - English - Gifted/Enriched	This course consolidates higher level literacy, interpretive, and communication skills. The course is theme-based (determined by the teacher). In addition to the study and analysis of challenging and diverse texts in print and electronic form, students will be introduced to literary theory. They will write in a variety of modes -- narrative, descriptive, poetic and expository -- and genres, including short stories, scripts, poems, essays, editorials; conduct an independent literary research project; and apply key concepts and theory to the examination of media works. The course emphasizes the role that form, content and style play in communication; and the application of academic discourse in the analysis and discussion of literary texts.	ENG3U3,ENG3U6
EPS3O1	Steps to University (Part 1)	No Description Found	by recommendation only

ESLAO8	Beginning Communication in English, ESL Level A - Open	No Description Found	ELDAO
ESLBO8	English in Daily Life, ESL Level B - Open	No Description Found	ELDBO,ESLAO
ESLCO8	English for School & Work, ESL Level C - Open	No Description Found	ESLBO
ESLDO8	Study Skills in English, ESL Level D - Open	No Description Found	ESLCO
ESLEO8	Bridge to English, ESL Level E - Open	No Description Found	ESLDO
EWC4U1	Grade 12 - Writer's Craft - University	This course emphasizes knowledge and skills related to the craft of writing. Students will analyze 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 writing project as part of an independent study unit, explore career opportunities in the field of writing, investigate avenues for publication, and develop a writing portfolio. Students interested in improving their academic writing skills and particularly those interested in careers as journalists or writers would benefit from taking this course.	ENG3U
FSF1D1	Grade 09 - French - Academic	This course emphasizes the further development of oral communication, reading, and writing skills. Students will build on and apply their knowledge of French while exploring a variety of themes, such as relationships, social trends, and careers. Thematic readings, which include a selection of short stories, articles, and poems, will serve as stepping stones to oral and written activities.	None
FSF1D3	Grade 09 - French - Enriched	This course emphasizes the further development of oral communication, reading, and writing skills. Students will build on and apply their knowledge of French while exploring a variety of themes, such as relationships, social trends, and careers. Thematic readings, which include a selection of short stories, articles, and poems, will serve as stepping stones to oral and written activities.	None
FSF1D6	Grade 09 - French - Gifted	This course emphasizes the further development of oral communication, reading, and writing skills. Students will build on and apply their knowledge of French while exploring a variety of themes, such as relationships, social trends, and careers. Thematic readings, which include a selection of short stories, articles, and poems, will serve as stepping stones to oral and written activities.	None
FSF1P1	Grade 09 - French - Applied	This course emphasizes the concurrent development of oral communication, reading, and writing skills, using a broad-based theme such as the media. Students will enhance their ability to understand and speak French through conversations, discussions, and presentations. They will also read short stories, articles, poems, and songs, and write brief descriptions, letters, dialogues, and invitations.	None
FSF1P2	Grade 09 - Introductory (Beginner's) French - Applied	This course is designed for students with no previous knowledge of French. This course emphasizes the development of oral communication, reading, and writing skills. Students will enhance their ability to understand and speak French through conversations, discussions, and presentations. They will also read short stories, articles, poems, and songs, and write brief descriptions, letters, dialogues, and invitations.	None

FSF2D1	Grade 10 - French - Academic	This course enables students to increase their knowledge of the French language, further develop their language skills, and deepen their understanding and appreciation of francophone culture around the world. Exploring a variety of themes, students will develop and apply critical thinking skills in discussion, in their analysis and interpretation of texts, and in their own writing.	FSF1D
FSF2D3	Grade 10 - French - Enriched	This course enables students to increase their knowledge of the French language, further develop their language skills, and deepen their understanding and appreciation of francophone culture around the world. Exploring a variety of themes, students will develop and apply critical thinking skills in discussion, in their analysis and interpretation of texts, and in their own writing.	FSF1D6,FSF1D3
FSF2D6	Grade 10 - French - Gifted	This course enables students to increase their knowledge of the French language, further develop their language skills, and deepen their understanding and appreciation of francophone culture around the world. Exploring a variety of themes, students will develop and apply critical thinking skills in discussion, in their analysis and interpretation of texts, and in their own writing.	FSF1D6,FSF1D3
FSF3U1	Grade 11 - French - University	This course draws on a variety of themes to promote extensive development of reading and writing skills and to reinforce oral communication skills. Students will gain a greater understanding of French-speaking cultures in Canada and around the world through their reading of a variety of materials, including a short novel or a play. Students will produce various written assignments, including a formal essay. The use of correct grammar and appropriate language conventions in both spoken and written French will be emphasized throughout the course.	FSF2D
FSF4U1	Grade 12 - French - University	This course draws on a variety of themes to promote extensive development of French- language skills. Students will consolidate their oral skills as they discuss literature, culture, and current issues. They will read a variety of texts and will write a formal essay. The use of correct grammar and appropriate language conventions in both spoken and written French will be emphasized throughout the course.	FSF3U
GLC2O1	Grade 10 - Careers Studies	No Description Found	None
GLC2O8	Grade 10 - Careers Studies (for ESL students)	No Description Found	None
GLC2O9	Grade 10 - Careers Studies (for SpecEd students)	No Description Found	None
GLE1O9	Grade 09 - Learning Strategies - Open	No Description Found	None
GLE2O9	Grade 10 - Learning Strategies - Open	No Description Found	None
GLE3O9	Grade 11 - Learning Strategies - Open	No Description Found	None
GLE4O9	Grade 12 - Learning Strategies - Open	No Description Found	None
GLN4O1	Grade 12 - Navigating the Workplace - Open	This course provides students with opportunities to develop the workplace essentials skills and work habits required for success in all types of workplaces. Students will explore occupations and careers of interest through participation in real workplace experiences (e.g., information interviews, work experiences). They will make plans for continued learning and work, work with others to design learning experiences, and investigate the resources and support required to make a smooth transition to their post-secondary destination.	None
GPP3O1	Grade 11 - Leadership	No Description Found	by recommendation only

GWL301	Grade 11 - Designing Your Future - Open	This course prepares students to make successful transitions to post-secondary work and education or training. Students will explore the realities and opportunities of modern workplaces, while refining their employability skills and learning how to manage their careers. Students will target appropriate post-secondary education or training options and begin to implement an action plan for post-secondary success.	GLC20
HNC301	Grade 11 - Fashion & Creative Expression - Open	This course explores what clothing communicates about the wearer and how it becomes a creative and entrepreneurial outlet through the design and production processes. Students will learn, through practical experiences, about the nature of fashion design; the characteristics of fibres and fabrics; the construction, production, and marketing of clothing; and how to plan and care for a wardrobe that is appropriate for an individual's appearance, activities, employment, and lifestyle. Students will develop research skills as they explore the evolution of fashion and its relationship to society, culture, and individual psychology.	TDJ2OP,TMJ2OH
HPC301	Grade 11 - Parenting - Open	This course focuses on the skills and knowledge needed to promote the positive and healthy nurturing of children, with particular emphasis on the critical importance of the early years to human development. Students will learn how to meet the developmental needs of young children, communicate and discipline effectively, and guide early behavior. They will have practical experiences with infants, toddlers, and preschoolers, and will learn skills in researching and investigating questions relating to parenting.	None
HRT3M1	Grade 11 - World Religions - C/U	This course enables students to discover what others believe and how they live, and to appreciate their own unique heritage. By studying the sacred texts, researching sacred sites, visiting places of worship and interviewing representatives of various faiths, students will explore the origins and nature of religion and its importance in history, politics, culture and philosophy. By developing their creative and critical-thinking skills, students will share their ideas about the role religion plays in the modern world.	CHC2P,CHC2D
HSB4MO	Steps to University (Part 2)	No Description Found	by recommendation only
ICS201	Grade 10 - Introduction to Computer Studies - Open	This course introduces students to computer science concepts. Students will learn about the fundamental programming constructs of sequence, selection, and repetition; the functions of internal and external computer components; the relationship among networks, operating systems, and application software and their uses; and how programming languages evolve. Students will also develop an awareness of computer-related careers as well as the effects of this technology on their everyday lives.	None
ICS3C1	Grade 11 - Introduction to Computer Programming - College	This course examines computer science concepts. Students will outline stages in software development, define standard control and data structures, identify on and off line resources, explain the functions of basic computer components, and develop programming and problem-solving skills by using operating systems and implementing defined practices. As well as identifying careers in computer science, students will develop an understanding of the ethical use of computers and the impact of emergent technologies on society.	ICS20,TIK20

ICS3U1	Grade 11 - Introduction to Computer Science - University	This course examines computer science concepts. Students will outline stages in software development, define standard control and data structures, identify on and off line resources, explain the functions of basic computer components, and develop programming and problem-solving skills by using operating systems and implementing defined practices. As well as identifying careers in computer science, students will develop an understanding of the ethical use of computers and the impact of emergent technologies on society.	ICS20,TIK20
ICS4C1	Grade 12 - Computer Programming - College	This course continues the work started in ICS 3M with work on searching and sorting algorithms, efficiency of algorithms, multidimensional arrays and, text files. A major part of this course is the creation, by the students, of a piece of software. This software must be targeted at a specific group and must also be accompanied by a user manual and other external documentation.	ICS3C,ICS3U,ICS3M
ICS4U1	Grade 12 - Computer Science - University	This course continues the work started in ICS 3M with work on searching and sorting algorithms, efficiency of algorithms, multidimensional arrays and, text files. A major part of this course is the creation, by the students, of a piece of software. This software must be targeted at a specific group and must also be accompanied by a user manual and other external documentation.	ICS3U,ICS3M
IDC3O1	Grade 11 - Children's Literature - Open	Rediscover the exciting, imaginative and magical world of childhood. This course uses songs, poetry, folk tales, novels, short prose, plays, comics television programs, cartoons, and films, as a means to examine children's literature, and foster an appreciation of it. In addition, the course examines issues that pertain to children's development--- psychologically, emotionally, physically and socially. Students have multiple opportunities to present their work in written and oral form; create diverse media such as videos, games and storybooks; participate in field trips; use the internet for research; hear guest speakers; and visit elementary schools. The course combines core expectations from IDC 30 with statements selected from Grade 11 English, Grade 11 Visual Arts, and Grade 11 Media. This course will be of particular value for those who are considering a career in teaching, social work, psychology, or children's media.	ENG2D,ENG2P,ENG2L
IDC4O1	Grade 12 - Leadership	No Description Found	by recommendation only
IDC4U1	Grade 12 - Media Studies - University	This course is for students interested in extending their understanding of media studies, including an examination of basic Communication Theory. It will be especially of value for those who are considering a career in the media. The course is an Interdisciplinary Studies course that combines core expectations from IDC4U with statements selected from Grade 11 Media Studies (EMS30), and Grade 12 Visual Arts (AVI4M). It also will be linked to expectations from Cooperative Education and History (in particular, the History of Communication). The expectations and course activities provide a foundation in the knowledge and skills that students will need for success in media-related post-secondary educational programs.	ENG3U
KCWAN8	LEAP	No Description Found	by recommendation only
KENAN8	LEAP	No Description Found	by recommendation only
KENBN8	LEAP	No Description Found	by recommendation only
KMMAN8	LEAP	No Description Found	by recommendation only
KMMBN8	LEAP	No Description Found	by recommendation only
KSNAN8	LEAP	No Description Found	by recommendation only
LWSBD1	Grade 10 - Introductory Spanish, Level 2 - Open (Group 1)	No Description Found	None

LWSCU1	Grade 11 - Spanish, Level 3 - University (Group 1)	No Description Found	LWSBD1,LWSBO1
LWSDU1	Grade 12 - Spanish, Level 4 - University (Group 1)	No Description Found	LWSCU1
MAP4C1	Grade 12 - Foundations for College Math - College	This course equips students with the mathematical knowledge and skills they will need in many college programs. Students will use statistical methods to analyze problems; solve problems involving the application of principles of geometry and measurement to the design and construction of physical models; solve problems involving trigonometry in triangles; and consolidate their skills in analyzing and interpreting mathematical models.	MBF3C,MCF3M
MAT1L1	Grade 09 - Mathematics - Locally Developed	No Description Found	None
MAT1L9	Grade 09 - Mathematics - Essential CORE	No Description Found	None
MAT2L1	Grade 10 - Mathematics - Locally Developed	No Description Found	MAT1L
MAT2L9	Grade 10 - Mathematics - Locally Developed (Special Ed.)	No Description Found	MAT1L9
MBF3C1	Grade 11 - Foundations for College Math - College	No Description Found	MPM2D,MFM2P
MCF3M1	Grade 11 - Functions and Applications - C/U	This course introduces basic features of the function by extending students' experiences with quadratic relations. It focuses on quadratic, trigonometric, and exponential functions and their use in modeling real-world situations. Students will represent functions numerically, graphically, and algebraically; simplify expressions; solve equations; and solve problems relating to financial and trigonometric applications. Students will reason mathematically and communicate their thinking as they solve multi-step problems.	MPM2D,MFM2P
MCR3U1	Grade 11 - Functions - University	This course introduces the mathematical concept of the function by extending students' experiences with linear and quadratic relations. Students will investigate properties of discrete and continuous functions, including trigonometric and exponential functions; represent functions numerically, algebraically, and graphically; solve problems involving applications of functions; and develop facility in simplifying polynomial and rational expressions. Students will reason mathematically and communicate their thinking as they solve multi-step problems.	MPM2D
MCT4C1	Grade 12 - Math for College Technology - College	This course equips students with the mathematical knowledge and skills needed for entry into college technology programs. Students will investigate and apply properties of polynomial, exponential, and logarithmic functions; solve problems involving inverse proportionality; and explore the properties of reciprocal functions. They will also analyze models of a variety of functions, solve problems involving piecewise-defined functions, solve linear-quadratic systems, and consolidate key manipulation and communication skills.	MCF3M,MCR3U

MCV4U1	Grade 12 - Calculus and Vectors - University	This course builds on students' previous experience with functions and their developing understanding of rates of change. Students will solve problems involving geometric and algebraic representations of vectors, and representations of lines and planes in three-dimensional space; broaden their understanding of rates of change to include the derivatives of polynomial, rational, exponential, and sinusoidal functions; and apply these concepts and skills to the modeling of real-world relationships. Students will also refine their use of the mathematical processes necessary for success in senior mathematics. This course is intended for students who plan to study mathematics in university and who may choose to pursue careers in fields such as physics and engineering.	MHF4U
MDM4U1	Grade 12 - Math of Data Management - University	This course broadens students' understanding of mathematics as it relates to managing information. Students will apply methods for organizing large amounts of information; apply counting techniques, probability, and statistics in modeling and solving problems; and carry out a culminating project that integrates the expectations of the course and encourages perseverance and independence. Students planning to pursue university programs in business, the social sciences, or the humanities will find this course of particular interest.	MCF3M,MCR3U
MEL3E1	Grade 11 - Math for Work & Everyday Life - Workplace	This course enables students to broaden their understanding of mathematics as it is applied in important areas of day-to-day living. Students will solve problems associated with earning money, paying taxes, and making purchases; apply calculations of simple and compound interest in saving, investing, and borrowing; and calculate the costs of transportation and travel in a variety of situations.	MAT1L,MAT2L,MFM1P,MFM2P,MPM1D,MPM2D
MEL3E9	Grade 11 - Math - Workplace CORE	This course enables students to broaden their understanding of mathematics as it is applied in important areas of day-to-day living. Students will solve problems associated with earning money, paying taxes, and making purchases; apply calculations of simple and compound interest in saving, investing, and borrowing; and calculate the costs of transportation and travel in a variety of situations.	MFM1P9,MAT1L9
MEL4E1	Grade 12 - Math for Work & Everyday Life - Workplace	This course enables students to broaden their understanding of mathematics as it is applied in important areas of day-to-day living. Students will use statistics in investigating questions of interest and apply principles of probability in familiar situations. They will also investigate accommodation costs and create household budgets; solve problems involving estimation and measurement; and apply concepts of geometry in the creation of designs.	MEL3E
MFM1P1	Grade 09 - Mathematics - Applied	This course enables students to develop mathematical ideas and methods through exploration of applications, the effective use of technology, and extended experiences with hands-on activities. Students will investigate relationships of straight lines in analytic geometry, solve problems involving the measurement of 3-dimensional objects and 2-dimensional figures, and apply key numeric and algebraic skills in problem solving. Students will also have opportunities to consolidate core skills and deepen their understanding of key mathematical concepts.	None

MFM1P9	Grade 09 - Math Applied CORE	This course enables students to develop mathematical ideas and methods through exploration of applications, the effective use of technology, and extended experiences with hands-on activities. Students will investigate relationships of straight lines in analytic geometry, solve problems involving the measurement of 3-dimensional objects and 2-dimensional figures, and apply key numeric and algebraic skills in problem solving. Students will also have opportunities to consolidate core skills and deepen their understanding of key mathematical concepts.	None
MFM2P1	Grade 10 - Mathematics - Applied	This course enables students to consolidate their understanding of key mathematical concepts through hands-on activities and to extend their problem-solving experiences in a variety of applications. Students will solve problems involving proportional reasoning and the trigonometry of right triangles; investigate applications of piecewise linear functions; solve and apply systems of linear equations; and solve problems involving quadratic functions. The effective use of technology in learning and solving problems will be a focus of the course.	MPM1D,MFM1P
MFM2P9	Grade 10 - Math - Applied CORE	This course enables students to consolidate their understanding of key mathematical concepts through hands-on activities and to extend their problem-solving experiences in a variety of applications. Students will solve problems involving proportional reasoning and the trigonometry of right triangles; investigate applications of piecewise linear functions; solve and apply systems of linear equations; and solve problems involving quadratic functions. The effective use of technology in learning and solving problems will be a focus of the course.	MFM1P9
MHF4U1	Grade 12 - Advanced Functions - University	This course extends students' experience with functions. Students will investigate the properties of polynomial, rational, logarithmic, and trigonometric functions; broaden their understanding of rates of change; and develop facility in applying these concepts and skills. Students will also refine their use of the mathematical processes necessary for success in senior mathematics. This course is intended both for students who plan to study mathematics in university and for those wishing to consolidate their understanding for mathematics before proceeding to any one of a variety of university programs.	MCR3U,MCT4C
MPM1D1	Grade 09 - Mathematics - Academic	This course enables students to develop generalizations of mathematical ideas and methods through the exploration of applications, the effective use of technology, and abstract reasoning. Students will investigate relationships to develop equations of straight lines in analytic geometry, explore relationships between volume and surface area of objects in measurement, and apply extended algebraic skills in problem solving. Students will engage in abstract extensions of core learning that will deepen their mathematical knowledge and enrich their understanding.	None
MPM1D3	Grade 09 - Mathematics - Enriched	This course enables students to develop generalizations of mathematical ideas and methods through the exploration of applications, the effective use of technology, and abstract reasoning. Students will investigate relationships to develop equations of straight lines in analytic geometry, explore relationships between volume and surface area of objects in measurement, and apply extended algebraic skills in problem solving. Students will engage in abstract extensions of core learning that will deepen their mathematical knowledge and enrich their understanding.	None

MPM1D6	Grade 09 - Mathematics - Gifted	This course enables students to develop generalizations of mathematical ideas and methods through the exploration of applications, the effective use of technology, and abstract reasoning. Students will investigate relationships to develop equations of straight lines in analytic geometry, explore relationships between volume and surface area of objects in measurement, and apply extended algebraic skills in problem solving. Students will engage in abstract extensions of core learning that will deepen their mathematical knowledge and enrich their understanding.	None
MPM2D1	Grade 10 - Mathematics - Academic	This course enables students to broaden their understanding of relations, extend their skills in multi-step problem solving, and continue to develop their abilities in abstract reasoning. Students will pursue investigations of quadratic functions and their applications; solve and apply linear systems; solve multi-step problems in analytic geometry to verify properties of geometric figures; investigate the trigonometry of right and acute triangles; and develop supporting algebraic skills.	MPM1D
MPM2D3	Grade 10 - Mathematics - Enriched	This course enables students to broaden their understanding of relations, extend their skills in multi-step problem solving, and continue to develop their abilities in abstract reasoning. Students will pursue investigations of quadratic functions and their applications; solve and apply linear systems; solve multi-step problems in analytic geometry to verify properties of geometric figures; investigate the trigonometry of right and acute triangles; and develop supporting algebraic skills.	MPM1D6,MPM1D3
MPM2D6	Grade 10 - Mathematics - Gifted	This course enables students to broaden their understanding of relations, extend their skills in multi-step problem solving, and continue to develop their abilities in abstract reasoning. Students will pursue investigations of quadratic functions and their applications; solve and apply linear systems; solve multi-step problems in analytic geometry to verify properties of geometric figures; investigate the trigonometry of right and acute triangles; and develop supporting algebraic skills.	MPM1D6,MPM1D3
OLC401	Grade 12 - Literacy Course	No Description Found	None
OLC409	Grade 12 - Literacy Course, for IPRC Special Ed students only	No Description Found	None
PAF301	Grade 11 - Personal Fitness Activities - Coed	This course emphasizes regular participation in a variety of enjoyable fitness activities that promote life-long healthy active living. Student learning will include the application of movement principles to refine their skills, participation in a variety of fitness activities (e.g. aerobics, weight training, jazzercise, self-defense etc) that enhance personal competence and health and examination of issues related to healthy living.	None
PAF401	Grade 12 - Personal & Fitness Activities - Coed	This course emphasizes regular participation in a variety of enjoyable fitness activities that promote life-long healthy active living. Student learning will include the application of movement principles to refine their skills, participation in a variety of fitness activities (e.g. aerobics, weight training, jazzercise, self-defense etc) that enhance personal competence and health and examination of issues related to healthy living.	None
PAL401	Grade 12 - Large Group Activity - Coed	No Description Found	None

PPL1OF	Grade 09 - Healthy Active Living - Female	This course emphasizes regular participation in a variety of enjoyable physical activities that promote lifelong healthy active living. Students will learn movement skills and principles, ways to improve personal fitness and physical competence, and safety and injury prevention. They will investigate issues related to healthy sexuality and the use and abuse of alcohol, tobacco, and other drugs, and will participate in activities designed to develop goal-setting, communication, and social skills.	None
PPL1OM	Grade 09 - Healthy Active Living - Male	This course emphasizes regular participation in a variety of enjoyable physical activities that promote lifelong healthy active living. Students will learn movement skills and principles, ways to improve personal fitness and physical competence, and safety and injury prevention. They will investigate issues related to healthy sexuality and the use and abuse of alcohol, tobacco, and other drugs, and will participate in activities designed to develop goal-setting, communication, and social skills.	None
PPL2OF	Grade 10 - Healthy Active Living - Female	This course emphasizes regular participation in a variety of enjoyable physical activities that promote lifelong healthy active living. Student learning will include the application of movement principles to refine skills; participation in a variety of activities that enhance personal competence, fitness, and health; examination of issues related to healthy sexuality, healthy eating, substance use and abuse; and the use of informed decision-making, conflict resolution, and social skills in making personal choices.	None
PPL2OM	Grade 10 - Healthy Active Living - Male	This course emphasizes regular participation in a variety of enjoyable physical activities that promote lifelong healthy active living. Student learning will include the application of movement principles to refine skills; participation in a variety of activities that enhance personal competence, fitness, and health; examination of issues related to healthy sexuality, healthy eating, substance use and abuse; and the use of informed decision-making, conflict resolution, and social skills in making personal choices.	None
PPL3OF	Grade 11 - Healthy Active Living - Female	This course focuses on the development of a healthy lifestyle and participation in a variety of enjoyable physical activities that have the potential to engage students' interest throughout their lives. Students will be encouraged to develop personal competence in a variety of movement skills, and will be given opportunities to practice goal setting, decision making, coping, social, and interpersonal skills. Students will also study the components of healthy relationships, reproductive health, mental health, and personal safety.	None
PPL3OM	Grade 11 - Healthy Active Living - Male	This course focuses on the development of a healthy lifestyle and participation in a variety of enjoyable physical activities that have the potential to engage students' interest throughout their lives. Students will be encouraged to develop personal competence in a variety of movement skills, and will be given opportunities to practice goal setting, decision making, coping, social, and interpersonal skills. Students will also study the components of healthy relationships, reproductive health, mental health, and personal safety.	None

PPL4OF	Grade 12 - Healthy Active Living - Female	This course focuses on the development of a personalized approach to healthy active living through participation in a variety of sports and recreational activities that have the potential to engage students' interest throughout their lives. Students will develop and implement personal physical fitness plans. In addition, they will be given opportunities to refine their decision-making, conflict-resolution, and interpersonal skills, with a view to enhancing their mental health and their relationships with others.	None
PPL4OM	Grade 12 - Healthy Active Living - Male	This course focuses on the development of a personalized approach to healthy active living through participation in a variety of sports and recreational activities that have the potential to engage students' interest throughout their lives. Students will develop and implement personal physical fitness plans. In addition, they will be given opportunities to refine their decision-making, conflict-resolution, and interpersonal skills, with a view to enhancing their mental health and their relationships with others.	None
PSE4U1	Grade 12 - Exercise Science - University - Coed	This course focuses on the study of human movement and of systems, factors, and principles involved in human development. Students will learn about the effects of physical activity on health and performance, the evolution of physical activity and sports, and the factors that influence an individual's participation in physical activity. The course prepares students for university programs in physical education, kinesiology, recreation, and sports administration.	PPL3O,PAF3O,PPL4O,PAL4O,PAF4O,SBI3C,SBI3U,SBI4U,SCH3U,SCH4U,SPH3U,SPH4U
RCR1O1	Credit Recovery	No Description Found	by recommendation only
RCR2O1	Credit Recovery	No Description Found	by recommendation only
SBI3C1	Grade 11 - Biology - College	This course focuses on the processes involved in biological systems. Students will learn concepts and theories as they conduct investigations in the areas of cellular biology, microbiology, animal anatomy and physiology, plant structure and physiology, and environmental science. Emphasis will be placed on the practical application of concepts and skills needed for further study in the various branches of life sciences and related fields.	SNC2D,SNC2P
SBI3U1	Grade 11 - Biology - University	This course furthers students' understanding of the processes involved in biological systems. Students will study cellular functions, genetic continuity, internal systems and regulation, the diversity of living things, and the anatomy, growth, and functions of plants. This course focuses on the theoretical aspects of the topics under study, and helps students refine skills related to scientific investigation.	SNC2D
SBI3U6	Grade 11 - Biology - Gifted/Enriched	This course furthers students' understanding of the processes involved in biological systems. Students will study cellular functions, genetic continuity, internal systems and regulation, the diversity of living things, and the anatomy, growth, and functions of plants. This course focuses on the theoretical aspects of the topics under study, and helps students refine skills related to scientific investigation.	SNC2D6

SBI4U1	Grade 12 - Biology - University	This course provides students with the opportunity for in-depth study of the concepts and processes associated with biological systems. Students will study theory and conduct investigations in the areas of metabolic processes, molecular genetics, homeostasis, evolution, and population dynamics. Emphasis will be placed on achievement of the detailed knowledge and refined skills needed for further study in various branches of the life sciences and related fields. [More than half of this course involves biochemistry so a strong background in chemistry is an important asset. This course requires a high degree of English mastery for success as well. It is recommended that students take this course as their last senior science credit.	SBI3U
SBI4U6	Grade 12 - Biology - Gifted/Enriched	This course provides students with the opportunity for in-depth study of the concepts and processes associated with biological systems. Students will study theory and conduct investigations in the areas of metabolic processes, molecular genetics, homeostasis, evolution, and population dynamics. Emphasis will be placed on achievement of the detailed knowledge and refined skills needed for further study in various branches of the life sciences and related fields. [More than half of this course involves biochemistry so a strong background in chemistry is an important asset. This course requires a high degree of English mastery for success as well. It is recommended that students take this course as their last senior science credit.	SBI3U6
SCH3U1	Grade 11 - Chemistry - University	This course focuses on the concepts and theories that form the basis of modern chemistry. Students will study the behaviors of solids, liquids, gases, and solutions: investigate changes and relationships in chemical systems; and explore how chemistry is used in developing new products and processes that affect our lives and our environment. Emphasis will also be placed on the importance of chemistry in other branches of science. [This course requires that students use ratios and algebraic equations to solve quantitative problems in the second half of the course, so a solid background in math is an asset.]	SNC2D
SCH3U6	Grade 11 - Chemistry - Gifted/Enriched	This course focuses on the concepts and theories that form the basis of modern chemistry. Students will study the behaviors of solids, liquids, gases, and solutions: investigate changes and relationships in chemical systems; and explore how chemistry is used in developing new products and processes that affect our lives and our environment. Emphasis will also be placed on the importance of chemistry in other branches of science. [This course requires that students use ratios and algebraic equations to solve quantitative problems in the second half of the course, so a solid background in math is an asset.]	SNC2D6
SCH4U1	Grade 12 - Chemistry - University	This course enables students to deepen their understanding of chemistry through the study of organic chemistry, energy changes and rates of reaction, chemical systems and equilibrium, electrochemistry, and atomic and molecular structure. Students will further develop problem-solving and laboratory skills as they investigate chemical processes, at the same time refining their ability to communicate scientific information. Emphasis will be placed on the importance of chemistry in daily life, and on evaluating the impact of chemical technology on the environment.	SCH3U

SCH4U6	Grade 12 - Chemistry - Gifted/Enriched	This course enables students to deepen their understanding of chemistry through the study of organic chemistry, energy changes and rates of reaction, chemical systems and equilibrium, electrochemistry, and atomic and molecular structure. Students will further develop problem-solving and laboratory skills as they investigate chemical processes, at the same time refining their ability to communicate scientific information. Emphasis will be placed on the importance of chemistry in daily life, and on evaluating the impact of chemical technology on the environment.	SCH3U6
SNC1D1	Grade 09 - Science - Academic	This course enables students to understand basic concepts in biology, chemistry, earth and space science, and physics; to develop skills in the processes of scientific inquiry; and to relate science to technology, society, and the environment. Students will learn scientific theories and conduct investigations related to cell division and reproduction; atomic and molecular structures and the properties of elements and compounds; the universe and space exploration; and the principles of electricity.	None
SNC1D3	Grade 09 - Science - Enriched	This course enables students to understand basic concepts in biology, chemistry, earth and space science, and physics; to develop skills in the processes of scientific inquiry; and to relate science to technology, society, and the environment. Students will learn scientific theories and conduct investigations related to cell division and reproduction; atomic and molecular structures and the properties of elements and compounds; the universe and space exploration; and the principles of electricity.	None
SNC1D6	Grade 09 - Science - Gifted	This course enables students to understand basic concepts in biology, chemistry, earth and space science, and physics; to develop skills in the processes of scientific inquiry; and to relate science to technology, society, and the environment. Students will learn scientific theories and conduct investigations related to cell division and reproduction; atomic and molecular structures and the properties of elements and compounds; the universe and space exploration; and the principles of electricity.	None
SNC1L1	Grade 09 - Science - Locally Developed	No Description Found	None
SNC1L9	Grade 09 - Science - Essential CORE	No Description Found	None
SNC1P1	Grade 09 - Science - Applied	This course enables students to understand basic concepts in biology, chemistry, earth and space science, and physics; to develop practical skills in scientific investigation; and to apply their knowledge of science to everyday situations. Students will design and conduct investigations into practical problems and issues related to cell division and reproduction, the structure and properties of elements and compounds, astronomy and space exploration, and static and current electricity.	None
SNC1P9	Grade 09 - Science - Applied CORE	This course enables students to understand basic concepts in biology, chemistry, earth and space science, and physics; to develop practical skills in scientific investigation; and to apply their knowledge of science to everyday situations. Students will design and conduct investigations into practical problems and issues related to cell division and reproduction, the structure and properties of elements and compounds, astronomy and space exploration, and static and current electricity.	None

SNC2D1	Grade 10 - Science - Academic	This course enables students to develop a deeper understanding of concepts in biology, chemistry, earth and space science, and physics; to develop further their skills in scientific inquiry; and to understand the interrelationship among science, technology, and the environment. Students will conduct investigations and understand scientific theories related to: ecology and the maintenance of ecosystems; chemical reactions, with particular attention to acid-base reactions; factors that influence weather systems; and motion.	SNC1D
SNC2D3	Grade 10 - Science - Enriched	This course enables students to develop a deeper understanding of concepts in biology, chemistry, earth and space science, and physics; to develop further their skills in scientific inquiry; and to understand the interrelationship among science, technology, and the environment. Students will conduct investigations and understand scientific theories related to: ecology and the maintenance of ecosystems; chemical reactions, with particular attention to acid-base reactions; factors that influence weather systems; and motion.	SNC1D3,SNC1D6
SNC2D6	Grade 10 - Science - Gifted	This course enables students to develop a deeper understanding of concepts in biology, chemistry, earth and space science, and physics; to develop further their skills in scientific inquiry; and to understand the interrelationship among science, technology, and the environment. Students will conduct investigations and understand scientific theories related to: ecology and the maintenance of ecosystems; chemical reactions, with particular attention to acid-base reactions; factors that influence weather systems; and motion.	SNC1D3,SNC1D6
SNC2L1	Grade 10 - Science - Locally Developed	No Description Found	SNC1L
SNC2L9	Grade 10 - Science - Essential CORE	No Description Found	SNC1L9
SNC2P1	Grade 10 - Science - Applied	This course enables students to develop a deeper understanding of concepts in biology, chemistry, earth and space science, and physics; to develop further their practical skills in scientific investigation; and to apply their knowledge of science to real-world situations. Students will design and conduct investigations into everyday problems and issues related to ecological sustainability, chemical reactions, weather systems, and motion.	SNC1D,SNC1P
SNC2P9	Grade 10 - Science - Applied CORE	This course enables students to develop a deeper understanding of concepts in biology, chemistry, earth and space science, and physics; to develop further their practical skills in scientific investigation; and to apply their knowledge of science to real-world situations. Students will design and conduct investigations into everyday problems and issues related to ecological sustainability, chemical reactions, weather systems, and motion.	SNC1P9
SPH3U1	Grade 11 - Physics - University	This course develops students' understanding of the basic concepts of physics. Students will study the laws of dynamics and explore different kinds of forces, the quantification of forms of energy (mechanical, sound, light, thermal, and electrical), and the way energy is transformed and transmitted. They will develop scientific-inquiry skills as they verify accepted laws and solve both assigned problems and those emerging from their investigations. Students will also analyze the interrelationships between physics and technology, and consider the impact of technological applications of physics on society and the environment.	SNC2D

SPH3U6	Grade 11 - Physics - Gifted/Enriched	This course develops students' understanding of the basic concepts of physics. Students will study the laws of dynamics and explore different kinds of forces, the quantification of forms of energy (mechanical, sound, light, thermal, and electrical), and the way energy is transformed and transmitted. They will develop scientific-inquiry skills as they verify accepted laws and solve both assigned problems and those emerging from their investigations. Students will also analyze the interrelationships between physics and technology, and consider the impact of technological applications of physics on society and the environment.	SNC2D6
SPH4U1	Grade 12 - Physics - University	This course enables students to deepen their understanding of the concepts and theories of physics. Students will explore further the laws of dynamics and energy transformations, and will investigate electrical, gravitational, and magnetic fields; electromagnetic radiation; and the interface between energy and matter. They will further develop inquiry skills, learning, for example, how the interpretation of experimental data can provide indirect evidence to support the development of a scientific model. Students will also consider the impact on society and the environment of technological applications of physics.	SPH3U
SPH4U6	Grade 12 - Physics - Gifted/Enriched	This course enables students to deepen their understanding of the concepts and theories of physics. Students will explore further the laws of dynamics and energy transformations, and will investigate electrical, gravitational, and magnetic fields; electromagnetic radiation; and the interface between energy and matter. They will further develop inquiry skills, learning, for example, how the interpretation of experimental data can provide indirect evidence to support the development of a scientific model. Students will also consider the impact on society and the environment of technological applications of physics.	SPH3U6
SVN3E1	Grade 11 - Environmental Science - Workplace	No Description	SNC1L,SNC1P,SNC1D
SVN3M1	Grade 11 - Environmental Science - C/U	No Description	SNC2P,SNC2D
TCJ2O1	Grade 10 - Construction Technology - Open	This course requires students to build and evaluate projects using machine and hand tools. Students will solve technological problems through a variety of media; identify and describe building materials and other resources needed to construct, maintain, and service buildings; identify support systems and components; apply safety rules related to materials, processes, and equipment; identify common architectural styles; and identify careers related to construction technology. The students learn the aforementioned through the construction of a model cottage.	TTI1O,TIJ1O
TCJ3C1	Grade 11 - Construction Technology - College	No Description Found	TCJ2O,TMJ2O1
TCJ4C1	Grade 12 - Construction Technology - College	No Description Found	TCJ3CF,TCJ3CA,TCJ3C1,TCJ3C2
TDJ2OP	Grade 10 - Technological Design (Fashion) - Open	This course introduces students to the world of clothing & fashion design, including the use of sewing tools and equipment. Students will learn about technical design, preparation processes, manufacturing techniques and careers in the fashion and clothing industry.	None

TEJ2O1	Grade 10 - Computer Technology - Open	These courses examine computer hardware and the control of external components from an engineering perspective. Students will learn how to solve problems, and will study the functions of key computer components and peripherals, logic gates, fundamental programming concepts, internal numbering and character representation systems, and operating systems and networks. Students will also develop an awareness of potential careers in the field of computer engineering.	None
TEJ3M1	Grade 11 - Computer Engineering Technology - C/U	Students enrolled in this course will develop a knowledge base and a skill set in networking and communications technology giving them the foundation they need for a future in the Information Technology industry. Through on-line texts, hands on labs and real business case studies, students learn to solve computer and electrical engineering problems. Students will construct network systems that use computer programs to interact with hardware, install and configure key computer hardware and software components, develop an understanding of the ethical use of computers, and explore careers in computer engineering and telecommunications. This course is recommended for all students interested in computer studies and is the first in a series of four advanced-level networking/telecommunications courses derived from revised ministry curriculum and enhanced by Western's partnership with Nortel Networks.	ICS2O,TIK2O,TEE2O,TEJ2O
TEJ4M1	Grade 12 - Computer Engineering Technology - C/U	These courses help students understand and apply computer engineering concepts. Students will analyze and design computer components such as logic circuits and interfaces; develop and construct systems and write the associated computer programs to drive real-world devices such as traffic lights, models, and robots; and explore networking hardware, protocols, and configurations. As well as developing project management skills, students will examine the ethics of computer use and explore related educational requirements and careers.	TEJ3M,ICS3C,ICS3U,ICS3M,ICE3M
TEL3M1	Grade 11 - Computer Engineering Technology: Electronics - C/U	No Description Found	TCJ2O,TMJ2O1
TEL4M1	Grade 12 - Computer Engineering Technology: Electronics - C/U	No Description Found	TEL3M,TCJ3CR,TCJ3CE
TEN3M1	Grade 11 - Computer Engineering Technology: Networking - C/U	Students enrolled in this course will be seeking a comprehensive understanding of networks, telecommunications, and control systems. It is an innovative course developed at Western through a partnership with Nortel Networks. Students will be enhancing their computer and electrical engineering knowledge base via curriculum that emphasizes the hands-on approach to learning. Lessons involve state-of-the-art lab activities and projects that let students "experience" technology. This course is the second of four advanced level courses that can be used to help motivated students achieve industry recognized certification.	TGJ2O,TEE2O,TEJ2O

TEN4M1	Grade 12 - Computer Engineering Technology: Networking - C/U	Students enrolled in this course will be seeking a comprehensive understanding of networks, telecommunications, and control systems. It is an innovative course developed at Western through a partnership with Nortel Networks. Students will be enhancing their computer and electrical engineering knowledge base via curriculum that emphasizes the hands-on approach to learning. Lessons involve state-of-the-art lab activities and projects that let students \"experience\" technology. This course is the third of four advanced level courses that can be used to help motivated students achieve industry recognized certification.	TEN3M,TGJ3MN,TGJ3M2,TGJ3M3
TER3M1	Grade 11 - Computer Engineering Technology: Robotics and Control Systems - C/U	These courses appeal to students interested in engineering and all applications of scientific principles and technology to the production processes of manufacturing. Students use a variety of control systems, such as pneumatics, electro-pneumatics, hydraulic, electronics, computers, and programmable controllers to control axis robots through various handling problems. WTCS has several robotic devices available for hands on robotics work and our students participate in robotics competitions.	TDJ2O1,TMJ2O1,TCJ2O
TER4M1	Grade 12 - Computer Engineering Technology: Robotics and Control Systems - C/U	These courses appeal to students interested in engineering and all applications of scientific principles and technology to the production processes of manufacturing. Students use a variety of control systems, such as pneumatics, electro-pneumatics, hydraulic, electronics, computers, and programmable controllers to control axis robots through various handling problems. WTCS has several robotic devices available for hands on robotics work and our students participate in robotics competitions.	TER3M,TMM3M,TDJ3ME,TDJ3MR,TMJ3CD
TET3E1	Grade 11 - Computer Technology: Information Technology Support - Workplace	These courses focus on hardware and software applications, operating systems and hardware configurations. May also include an electronics component where students will explore digital and analog circuits and the internal architecture of the computer.	TGJ2O,TEE2O,TEJ2O
TET4E1	Grade 12 - Computer Technology: Information Technology Support - Workplace	These courses focus on hardware and software applications, operating systems and hardware configuration. May also include an electronics component where students will explore digital and analog circuits.	TET3E,TGJ3MT,TGJ3M2,TGJ3M3
TFC3E1	Grade 11 - Hospitality and Tourism: Cooking - Workplace	This course focuses on food preparation and presentation skills and hospitality and tourism activities. Students will learn how to prepare, present, and serve food. Throughout the course, they will learn the fundamentals of providing high-quality service and customer satisfaction. Students will also study health and safety standards and laws regulating the hospitality and tourism industry.	TFJ2O,HFN2O,HIF1O
TFC4E1	Grade 12 - Hospitality and Tourism: Cooking - Workplace	This course focuses on advanced food preparation and presentation skills; event and activity planning; the equipment and facilities used in the hospitality and tourism industry. Students will study the nutritional value of foods, plan menu and recipes, develop management techniques, design and implement an event, and learn effective communication skills. They will also explore careers, the impact of the hospitality and tourism industry on society and the event, and health and safety standards in the workplace.	TFC3E,TFH3E

TFJ1O1	Grade 09 - Exploring Hospitality and Tourism (Fashion&Food.com) - Open	This 3-subject rotation course allows students to learn about design and manufacturing through Fashion and Sewing, as well as the practical use of tools and equipment through Food handling techniques and preparation. They also develop computer skills through word processing, spreadsheets, Powerpoints and graphics/advertising. This student-centred, skills-oriented program prepares students for future courses in Technological Studies.	None
TFJ2O1	Grade 10 - Hospitality and Tourism - Open	This course emphasizes the hospitality and tourism industry. Students will study food origins, food-handling techniques and food preparation, health and safety standards, and the use of specialized tools and equipment. They will also investigate travel and tourism activities in Ontario, develop effective communication and management skills, and identify career opportunities in the hospitality and tourism industry.	None
TGG3M1	Grade 11 - Communications Technology: Print and Graphic Communications - C/U	Students will learn how a Print Shop is run as well as the operation of the equipment involved. The areas covered include: camera operation, film assembly, press work and bindery methods. They will employ letterpress, offset, and silk screening techniques in producing projects. The theory taught is incorporated into the practical projects in order to provide the student with both theoretical and hands on experience.	TGJ2O
TGG4M1	Grade 12 - Communications Technology: Print and Graphic Communications - C/U	Students will learn how a Print Shop is run as well as the operation of the equipment involved. The areas covered include: camera operation, film assembly, press work and bindery methods. They will employ letterpress, offset, and silk screening techniques in producing projects. The theory taught is incorporated into the practical projects in order to provide the student with both theoretical and hands on experience.	TGG3M,TGJ3EG
TGI3M1	Grade 11 - Communications Technology: Interactive New Media and Animation - C/U	These project based courses will focus on the development of skills with several graphic, software and presentation applications. Basic colour and composition theory will be applied through the production of on screen graphics and printed material. File and data management, compression schemes and output resolution will also be covered. Students learn the basics of computer generated animation, from storyboard and concept creation to the creation of wireframe outlines and fully rendered animations. Students will work individually to complete short video clips using various types of animation, editing, and audio software.	TGJ2O
TGI4M1	Grade 12 - Communications Technology: Interactive New Media and Animation - C/U	These project based courses will focus on the development of skills with several graphic, software and presentation applications. Basic colour and composition theory will be applied through the production of on screen graphics and printed material. File and data management, compression schemes and output resolution will also be covered. In the advanced animation course students will continue what has been learned in the grade 11 introductory course and move into character animation with the integration of sound, live action and story content. Students will work individually to complete short video clips using various types of animation software.	TGI3M,TGJ3MM,TGJ3MX,TGJ3M2,TGJ3M3
TGJ1OP	Grade 09 - Computers & Art (CyberARTS) - Open	Both traditional and computer art skills are stressed in this course. Developing expertise as an effective visual communicator will be the focus of this course. The Elements and Principles of Design, as studied in Grade 9 and 10 Art, are the foundational building blocks for all projects.	None

TGJ2O1	Grade 10 - Communications Technology - Open	This course requires students to complete a range of communication technology projects. These include creating printed stationary, short videos, computer generated animations, and graphical information displays. Students will learn to transfer information using electronic, live and graphic communications methods. This course is taught using a suite of graphics software producing content that will be included in a digital portfolio. The final project is a short, image based montage produced using the skills they have developed producing their portfolio. The knowledge and skills they will develop will provide a basis for careers in areas such as publishing, advertising, print production, animation, photography, and journalism.	AWD10,AVI20,TGJ10,TFJ10
TGJ2OP	Grade 10 - Computers & Art (CyberARTS) - Open	Both traditional and computer art skills are stressed in this course. Developing expertise as an effective visual communicator will be the focus of this course. The Elements and Principles of Design, as studied in Grade 9 and 10 Art, are the foundational building blocks for all projects.	AWD10P,TGJ10P
TGJ3MP	Grade 11 - Computers & Art (CyberARTS) - C/U	Both traditional and computer art skills are stressed in this course. Developing expertise as an effective visual communicator will be the focus of this course. The Elements and Principles of Design, as studied in Grade 9 and 10 Art, are the foundational building blocks for all projects.	AWD20P,TGJ20P
TGJ4MP	Grade 12 - Computers & Art (CyberARTS) - C/U	Both traditional and computer art skills are stressed in this course. Developing expertise as an effective visual communicator will be the focus of this course. The Elements and Principles of Design, as studied in Grade 9 and 10 Art, are the foundational building blocks for all projects.	AWS3M,TGJ3MA,TGJ3M2,TGJ3M3
TGP3M1	Grade 11 - Communications Technology: Photography and Digital Imaging - C/U	These courses cover image making, film development, and printing of black and white still photographs. These skills serve as a background to both theory and practical assignments. The students begin this course by building a pin whole camera and producing images with it in a traditional darkroom then moving to the digital imaging lab to further manipulate original photographic images.	TGJ20,AWD10,AVI20
TGP4M1	Grade 12 - Communications Technology: Photography and Digital Imaging - C/U	These courses cover image making, film development, and printing of black and white still photographs. Digital photographic skills will be enhanced using state of the art equipment. These skills serve as a background to both theory and practical assignments.	TGP3M,TGJ3MP,TGJ3M2,TGJ3M3
TIJ1O1	Grade 09 - Exploring Technologies (Engineering&Design) - Open	This 3-subject rotation course enables students to understand the technological and computer concepts they will need in order to design, develop, and build usable products or to deliver services, as well as to prepare for future courses in Technological Studies. Students will use the technological design process and a variety of tools and software to solve problems, complete projects, and strengthen their communication skills. Students work in a dedicated lab and are given opportunity to complete up to seven hands-on projects.	None

TMJ2O1	Grade 10 - Manufacturing Technology - Open	This course introduces students to the scope of the manufacturing industry, the various components used in the design of products, the industrial tools and equipment used, and methods of manufacturing, including assembly-line production. At WTCS this hands-on, project based course is taught in a machine shop where the students are introduced to the real tools of manufacturing technology and produce projects with them. Students will learn about technical drawing; preparation processes; manufacturing techniques; power, electronic, and quality control systems; careers in the manufacturing field; and the role of entrepreneurs in Canadian society.	TTI10,TIJ10
TMM3M1	Grade 11 - Manufacturing Engineering Technology: Mechanical Engineering - C/U	These courses focus on architectural design and drafting techniques as they pertain to the manufacturing industry. It could also examine the process and skills required to fabricate components.	TDJ2O1, TMJ2O1, TCJ2O
TMM4M1	Grade 12 - Manufacturing Engineering Technology: Mechanical Engineering - C/U	These courses focus on architectural design and drafting techniques as they pertain to the manufacturing industry. It could also examine the process and skills required to fabricate components.	TER3M, TMM3M, TDJ3ME, TDJ3MR, TMJ3CD
TMY3C1	Grade 11 - Manufacturing Technology: Welding Technician - College	In these courses, students study expansion and contraction of metals, controlling distortion, basic joint designs, metal identification, edge preparation and welding rod selection.	TMJ2O1, TTJ2O
TMY4C1	Grade 12 - Manufacturing Technology: Welding Technician - College	No Description Found	TMY3C, TMJ3CM
TTA3C1	Grade 11 - Transportation Technology: Auto Service - College	These courses involve a detailed study of the administration aspect of auto technology from a dealer's viewpoint and also from a service perspective. Focus will be placed on work orders and customer service with an emphasis on computer technology as it relates to the auto industry.	TTJ2O
TTA4C1	Grade 12 - Transportation Technology: Auto Service - College	These courses involve a detailed study of the administration aspect of auto technology from a dealer's viewpoint and also from a service perspective. Focus will be placed on work orders and customer service with an emphasis on computer technology as it relates to the auto industry.	TTA3C, TTJ3CT, TTJ3ET
TTB3C1	Grade 11 - Transportation Technology: Auto Body - College	These courses emphasize safety principles and practices; it covers the practice of manual skills needed by the student to work independently at welding, restoring and contour, and preparing for paint. These courses involve a detailed study of the construction and design of the principal units of the automobile.	TTJ2O
TTB4C1	Grade 12 - Transportation Technology: Auto Body - College	These courses emphasize safety principles and practices; it covers the practice of manual skills needed by the student to work independently at welding, restoring and contour, and preparing for paint. These courses involve a detailed study of the construction and design of the principal units of the automobile.	TTA3C, TTJ3CB, TTJ3CD
TTJ2O1	Grade 10 - Transportation Technology	This course requires students to build projects and to learn service procedures related to different modes of transportation. Students will learn about support systems for transporting people and products; measurement systems and methods; the analysis, design, and construction of a system to convert and make practical use of energy; the function of major vehicle system components; the impact of transportation systems on the environment; communication skills; and transportation-related careers. Fully equipped auto body and auto mechanics shops are available for instruction at WTCS so that students get a real world experience of the transportation technology field.	TTI10, TIJ10