

GRADE 12 COURSE DESCRIPTIONS 2017–18

The courses are divided into *groups: English, Perspectives, Mathematics, Sciences, Arts and Physical Education, Video, Business and Technology, Canadian and World Studies, Language Studies, and Miscellaneous*. Most groups have courses at different levels and with different focuses: *College (C), Workplace (E), Open (O), University/College (M or U/C) and University (U)*. Grade 10 and 11 Course Descriptions (some but not all grade 11 ones are included in this package) are on separate web documents found by clicking on the COURSE INFO tab and then COURSE DESCRIPTIONS link on the TDChristian Splash page: www.tdchristian.ca/splash.

Notes:

1. Choose courses that allow you to move to the type of work or school you wish to pursue.
 - a) For those interested in university, make sure you take the correct number of **Grade 12** university courses (U) that the universities you wish to apply to require. Some university programs put a limit on the number of university/college (M) courses you may have in your top six courses used for program acceptance. Open (O) and college (C) courses are rarely, if ever, used for acceptance into university. The primary website for checking Ontario University Programs is www.electronicinfo.ca.
 - b) If you are interested in college programs, check if university courses (U) are allowed instead of university/college (M) or college (C) courses. Look for policies on (O) courses. A good website for Ontario Community Colleges is ocas.on.ca
 - c) For apprenticeships, make sure you find out which courses and types are required. Sometimes apprenticeship hours can be earned by earning specified high school credits. Check www.edu.gov.on.ca/eng/training/apprenticeship/appren.html for more info.
 - d) For information about Christian colleges contact the Guidance office. Or, check websites such as Redeemer University College, an Ontario Christian University, at www.redeemer.ca/apply
 - e) Co-op courses are offered at every level. If you are interested in co-op, speak with Mr. Heinbuch ASAP about which semester you would like co-op in, and how many credits you would like to earn. The best way to earn such credits might be in Internship Block which you can read later in this document. You can also check the Ontario Secondary Curriculum website as well (www.edu.gov.on.ca).
2. Necessary things to do before you make a guidance or scheduling appointment are:
 - a) Check the web sites of programs you are interested in or www.edu.gov.on.ca.
 - b) Talk to teachers and others about courses you may need in order to pursue your interests or to take advantage of your abilities. (Hopefully, you took your Careers course seriously and you have a good start with what you learned there.)
 - c) Complete the Course Selections process. Hand in the **signed** Course Selections Sheet.
3. Courses will be offered if enough students enroll and there are teachers that can teach them.

English (Students must take one of the three courses listed below.)

ENGLISH, GRADE 12, UNIVERSITY PREPARATION (ENG4U) *This course is required for University Entrance.*

This course emphasizes consolidation of literacy, critical thinking, and communication skills. Students will analyse a range of challenging texts from various time periods, countries, and cultures; write analytical and argumentative essays and a major paper for an independent literary research project; and apply key concepts to analyse media works. An important focus will be on understanding academic language and using it coherently and confidently in discussion and argument. (Prerequisite: English, Grade 11, University Preparation) *This course may also be offered online with Mr. VanEerden as the teacher.*

ENGLISH, GRADE 12, COLLEGE PREPARATION (ENG4C) *This course or ENG4U is required for College Entrance.*

This course emphasizes consolidation of literacy, critical thinking, and communication skills. Students will analyse 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 analyse the interactions among media forms, audiences, and media industry practices. An important focus will be on establishing appropriate style and using business and technical language effectively. (Prerequisite: English, Grade 11, College Preparation) *This course may also be offered online with Mr. VanEerden as the teacher.*

ENGLISH, GRADE 12, WORKPLACE PREPARATION (ENG4E)

This course emphasizes consolidation of literacy, critical thinking, 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 appropriate contexts. (Prerequisite: English, Grade 11, Workplace Preparation)

English as a Second Language courses are available for International Students: usually one or two of ESLCO, ESLDO and ESLEO.

All students who have not yet passed the Literacy Test after grade 11 will be advised to take the Ontario Literacy Course OLC4O in the summer after Grade 11.

Perspectives (*Students must take one of the three courses listed below.*)

LIVING IN COMMUNITY (FAMILIES IN CANADA), GRADE 12, UNIVERSITY PREPARATION (HHS4U)

This course enables students to draw on sociological, psychological, and anthropological theories and research to analyse the development of individuals, intimate relationships, and family and parent-child relationships. Students will focus on issues and challenges facing individuals and families in Canada's diverse society. They will develop analytical tools that enable them to assess various factors affecting families and to consider policies and practices intended to support families in Canada. They will develop the investigative skills required to conduct and communicate the results of research on individuals, intimate relationships, and parent-child relationships. (Prerequisite: Any university or university/college preparation course in social sciences and humanities, English, or Canadian and world studies)

LIVING IN COMMUNITY (FAMILIES IN CANADA), GRADE 12, COLLEGE PREPARATION (HHS4C)

This course enables students to develop an understanding of social science theories as they apply to individual development, the development of intimate relationships, and family and parent-child relationships. Students will explore a range of issues relating to the development of individuals and families in contemporary Canadian society as well as in other cultures and historical periods. They will develop the investigative skills required to conduct research on individuals, intimate relationships, and parent-child roles and relationships in Canada. (Prerequisite: Any university, college, or university/college preparation course in social sciences and humanities, English, or Canadian and world studies)

ENGINEERING BLOCK, GRADE 12, UNIVERSITY PREPARATION (SPH4U, IDC4U)

This two-credit, two period block consists of Physics 12U and Applied Physics 12U.

* PHYSICS, GRADE 12, UNIVERSITY PREPARATION (SPH4U)

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. (Prerequisite: Physics, Grade 11, University Preparation)

* APPLIED PHYSICS, GRADE 12 UNIVERSITY PREPARATION (IDC4U)

This is an interdisciplinary studies course in which students apply the principles of physics. Hydraulics and robotics are two of the topics covered. For a full description, please contact [Mr. Robinson](#).

Mathematics

Often students do not realize that they need math for their future. Students must take math unless they have permission to skip it.

FOUNDATIONS FOR COLLEGE MATHEMATICS, GRADE 12, COLLEGE PREPARATION (MAP4C)

This course enables students to broaden their understanding of real-world applications of mathematics. Students will analyse data using statistical methods; solve problems involving applications of geometry and trigonometry; solve financial problems connected with annuities, budgets, and renting or owning accommodation; simplify expressions; and solve equations. Students will reason mathematically and communicate their thinking as they solve multi-step problems. This course prepares students for college programs in areas such as business, health sciences, and human services, and for certain skilled trades. (Prerequisite: Foundations for College Mathematics, Grade 11, College Preparation, or Functions and Applications, Grade 11, University/College Preparation)

MATHEMATICS FOR WORK & EVERYDAY LIFE, GRADE 12, WORKPLACE PREPARATION (MEL4E) – [Special Permission](#)

This course enables students to broaden their understanding of mathematics as it is applied in the workplace and daily life. Students will investigate questions involving the use of statistics; apply the concept of probability to solve problems involving familiar situations; investigate accommodation costs and create household budgets; use proportional reasoning; estimate and measure; and apply geometric concepts to create designs. Students will consolidate their mathematical skills as they solve problems and communicate their thinking. (Prerequisite: Mathematics for Everyday Life, Grade 11, Workplace or Mathematics, Grade 10, Applied)

Students who sign up for all three of Data Management, Advanced Functions and Calculus & Vectors should expect to take one of them as an online TDChristian course or, if they prefer, via other online schools. Students who take TDChristian online math courses complete them in one semester, are connected through Edsby and taught through videos by one of TDChristian's math teachers.

MATHEMATICS OF DATA MANAGEMENT, GRADE 12, UNIVERSITY PREPARATION (MDM4U)

This course broadens students' understanding of mathematics as it relates to managing data. Students will apply methods for organizing large amounts of information; solve problems involving probability and statistics; and carry out a culminating project that integrates statistical concepts and skills. Students will also refine their use of the mathematical processes necessary for success in senior mathematics. Students planning to enter university programs in business, the social sciences, and the humanities will find this course of particular interest. (Prerequisite: A Grade 11 University/College Preparation or University Preparation Math Course)

ADVANCED FUNCTIONS, GRADE 12, UNIVERSITY PREPARATION (MHF4U)

This course extends students' experience with functions. Students will investigate the properties of polynomial, rational, logarithmic, and trigonometric functions; broaden their understanding of rates of change; and develop facility in applying these concepts and skills. Students will also refine their use of the mathematical processes necessary for success in senior mathematics. This course is intended both for students who plan to study mathematics in university and for those wishing to consolidate their understanding of mathematics before proceeding to any one of a variety of university programs. (Prerequisite: Functions, Grade 11, University Preparation)

CALCULUS AND VECTORS, GRADE 12, UNIVERSITY PREPARATION (MCV4U)

This course builds on students' previous experience with functions and their developing understanding of rates of change. Students will solve problems involving geometric and algebraic representations of vectors, and representations of lines and planes in three-dimensional space; broaden their understanding of rates of change to include the derivatives of polynomial, rational, exponential, and sinusoidal functions; and apply these concepts and skills to the modelling of real-world relationships. Students will also refine their use of the mathematical processes necessary for success in senior mathematics. This course is intended for students who plan to study math in university and who may choose to pursue careers in fields such as physics and engineering. (Prerequisite: Advanced Functions, Grade 12, University Preparation)

Sciences

BIOLOGY, GRADE 11, COLLEGE PREPARATION (SBI3C)

This course is the only senior College Biology course. Students often take it in grade 11. It may be offered via online education.

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 applications of concepts, and on the skills needed for further studies in branches of the life sciences and related fields. (Prerequisite: Science, Grade 10, Academic or Applied)

CHEMISTRY, GRADE 12, COLLEGE PREPARATION (SCH4C)

This course is the only senior College Chemistry course. Students often take it in grade 11. It may be offered via online education.

This course introduces students to the concepts that form the basis of modern chemistry. Students will study qualitative analysis, quantitative relationships in chemical reactions, organic chemistry and electrochemistry, and chemistry as it relates to the quality of the environment. Students will employ a variety of laboratory techniques, develop skills in data collection and scientific analysis, and communicate scientific information using appropriate terminology. Emphasis will be placed on the role of chemistry in daily life and in the development of new technologies and products. (Prerequisite: Science, Grade 10, Academic or Applied)

PHYSICS, GRADE 12, COLLEGE PREPARATION (SPH4C)

This course is the only senior College Physics course. Students often take it in grade 11. It may be offered via online education.

This course develops students' understanding of the basic concepts of physics. Students will explore these concepts as they relate to mechanical, electrical, fluid (hydraulic and pneumatic), and communications systems, as well as to the operation of commonly used tools and equipment. They will develop scientific-inquiry skills as they verify accepted laws of physics and solve both assigned problems and those emerging from their investigations. Students will also consider the impact of technological applications of physics on society and the environment. (Prerequisite: Science, Grade 10, Academic or Applied)

BIOLOGY, GRADE 12, UNIVERSITY PREPARATION (SBI4U)

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. (Prerequisite: Biology, Grade 11, University Preparation)

Note: Biology 11U will likely be available to Grade 12 students in Semester 1 so they can take Biology, Grade 12 in Semester 2.

CHEMISTRY, GRADE 12, UNIVERSITY PREPARATION (SCH4U)

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. (Prerequisite: Chemistry, Grade 11, University Preparation)

Note: Chemistry 11U will likely be available to Grade 12 students in Semester 1 so they can take Chemistry, Grade 12 in Semester 2.

PHYSICS, GRADE 12, UNIVERSITY PREPARATION (SPH4U) – part of **ENGINEERING BLOCK**

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. (Prerequisite: Physics, Grade 11, University Preparation) *Note: Physics 12U is part of ENGINEERING BLOCK and is not likely to be offered as single course. Students who wish to take Physics 12U will need to do so via online learning.*

EARTH AND SPACE SCIENCE 12 UNIVERSITY (ALGONQUIN TRIP: SES4U) – see under Grade 11 Course Descriptions

OTHER COURSES

Arts and Physical Education

DRAMATIC ARTS, GRADE 12, UNIVERSITY/COLLEGE PREPARATION (ADA4M) – Show Period or Sketch Class versions

This course requires students to experiment with forms and conventions in dramatic literature, and to create/adapt and present dramatic works. Students will do research on dramatic forms, conventions, themes, and theories of acting and directing from different historical periods, and apply their knowledge of these in analyzing and interpreting dramatic literature, including Canadian works and works from various cultures in the late twentieth century. Students will also examine the significance of dramatic arts in various cultures. (Prerequisite: Dramatic Arts, Grade 11, University/College Preparation or Open)

MUSIC, GRADE 12, UNIVERSITY/COLLEGE PREPARATION (AMI4M)

This course emphasizes the appreciation, analysis, and performance of music from the romantic period and the twentieth century, including art music, jazz, popular music, and Canadian and non-Western music. Students will concentrate on developing interpretive skills and the ability to work independently. They will also complete complex creative projects. (Prerequisite: Music, Grade 11, University/College Preparation or Open) *NOTE: If you are interested in taking a music course, please contact Mr. Hayward.*

VISUAL ARTS, GRADE 12, UNIVERSITY/COLLEGE PREPARATION (AVI4M)

This course focuses on the refinement of students' skills and knowledge in visual arts. Students will analyse art forms; use theories of art in analysing and producing art; and increase their understanding of stylistic changes in modern and contemporary Western art, Canadian (including Native) art, and art forms from various parts of the world. Students will produce a body of work demonstrating a personal approach. (Prerequisite: Visual Arts, Grade 11, University/College Preparation or Open)

VISUAL ARTS – PHOTOGRAPHY, GRADE 12, UNIVERSITY/COLLEGE PREPARATION (AWQ4M)

This course focuses on enabling students to refine their use of the creative process when creating and presenting two- and three-dimensional art works using photography. Students will use the critical analysis process to deconstruct photographic works and explore connections between photography and society. The studio program enables students to explore a range of photographic processes and techniques that can be applied in their own photographic production. Students will also make connections between various photographic works of art in personal, contemporary, historical, and cultural contexts. (Prerequisite: Visual Arts, Grade 11, University/College Preparation or special permission)

INTRODUCTORY KINESIOLOGY, GRADE 12, UNIVERSITY PREPARATION (PSK4U)

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. (Prerequisite: Any Grade 11 university or university/college preparation course in science, or any Grade 11 or 12 open course in health and physical education)

HEALTHY ACTIVE LIVING EDUCATION, GRADE 12, OPEN (PPL4O)

This course enables students to further develop the knowledge and skills they need to make healthy choices. It places special emphasis on how students can maintain the habits of healthy, active living throughout their lives as they make the transition to adulthood and independent living. Through participation in a wide range of physical activities in a variety of settings, students can enhance their movement competence, personal fitness, and confidence. Students also acquire an understanding of the factors and skills that contribute to healthy development and learn how their own well-being is affected by, and affects, the world around them. Students build their sense of self, learn to interact positively with others, and develop their ability to think critically and creatively. (Prerequisite: None)

Leadership

LEADERSHIP AND PEER SUPPORT, GRADE 11, OPEN (GPP30)

This course prepares students to act in leadership and peer support roles. They will design and implement a plan for contributing to their school and/or community; develop skills in communication, interpersonal relations, teamwork, and conflict management; and apply those skills in leadership and/or peer support roles – for example, as a student council member or a peer tutor. Students will examine group dynamics and learn the value of diversity within groups and communities. (Prerequisite: None)

RECREATION & HEALTHY ACTIVE LIVING LEADERSHIP, GRADE 12, UNIVERSITY/COLLEGE PREP (PLH4M)

This course enables students to explore the benefits of lifelong participation in active recreation and healthy leisure and to develop the leadership and coordinating skills needed to plan, organize, and safely implement recreational events and other activities related to healthy, active living. Students will also learn how to promote the benefits of healthy, active living to others through mentoring and assisting them in making informed decisions that enhance their well-being. The course will prepare students for university programs in physical education and health and kinesiology and for college and university programs in recreation and leisure management, fitness and health promotion, and fitness leadership. (Prerequisite: Any health and physical education course)

Social Sciences and Humanities

WORLD CULTURES, GRADE 12, UNIVERSITY/COLLEGE PREPARATION (HSC4M)

This course examines the nature of culture; how cultural identities are acquired, maintained, and transformed; and theories used to analyse cultures. Students will explore world cultures, with an emphasis on the analysis of religious and spiritual beliefs, art forms, and philosophy. They will study the contributions and influence of a range of cultural groups and will critically analyse issues facing ethnocultural groups within Canada and around the world. Students will develop and apply research skills and will design and implement a social action initiative relating to cultural diversity. (Prerequisite: Any university, college, or university/college preparation course in social sciences and humanities, English, or Canadian and world studies)

Video

COMMUNICATIONS TECHNOLOGY GRADE 12, UNIVERSITY/COLLEGE PREPARATION (TGJ4M)

This course enables students to further develop media knowledge and skills while designing and producing projects in the areas of live, recorded, and graphic communications. Students may work in the areas of TV, video, and movie production; radio and audio production; print and graphic communications; photography; digital imaging; broadcast journalism; and interactive new media. Students will also expand their awareness of environmental and societal issues related to communications technology, and will investigate career opportunities and challenges in a rapidly changing technological environment. (Prerequisite: Communications Technology, Grade 11, University/College Preparation)

Other possibilities include Drama – Film/Video Studies and Visual Arts – Film/Video are adaptations of the DRAMATIC ARTS 12 UNIVERSITY/COLLEGE (ADA4M) and VISUAL ARTS 12 UNIVERSITY/COLLEGE (AVI4M) listed later.

Business and Technology

BUSINESS LEADERSHIP, GRADE 12, UNIVERSITY/COLLEGE PREPARATION (BOH4M)

This course focuses on the development of leadership skills used in managing a successful business. Students will analyze the role of a leader in business, with a focus on decision making, management of group dynamics, workplace stress and conflict, motivation of employees, and planning. Effective business communication skills, ethics, and social responsibility are also emphasized. (Prerequisite: None)

ECONOMICS, GRADE 12, UNIVERSITY PREPARATION (ANALYZING CURRENT ECONOMIC ISSUES CIA4U)

This course examines current Canadian and international economic issues, developments, policies, and practices from diverse perspectives. Students will explore the decisions that individuals and institutions, including governments, make in response to economic issues such as globalization, trade agreements, economic inequalities, regulation, and public spending. Students will apply the concepts of economic thinking and the economic inquiry process, as well as economic models and theories, to investigate, and develop informed opinions about, economic trade-offs, growth, and sustainability and related economic issues. (Prerequisite: Any university or university/college preparation course in Canadian and world studies, English, or social sciences and humanities)

SHOP: CUSTOM WOODWORKING 11 (TWJ3E) ** Offered yearly in Grade 10. Offered in 2017-18 for Grades 11 and 12. ******

This course enables students to develop knowledge and skills related to cabinet making and furniture making. Students will gain practical experience using a variety of the materials, tools, equipment, and joinery techniques associated with custom woodworking. Students will learn to create and interpret technical drawings and will plan, design, and fabricate projects. They will also develop an awareness of environmental and societal issues related to the woodworking industry, and will explore apprenticeships, postsecondary training, and career opportunities in the field that may be pursued directly after graduation. (Prerequisite: None)

SHOP: CUSTOM WOODWORKING 12 (TWJ4E) ** Offered in 2017-18 for Grades 11 and 12.**

This course enables students to further develop knowledge and skills related to the planning, design, and construction of residential and/or commercial cabinets and furniture. Students will gain further experience in the safe use of common woodworking materials, tools, equipment, finishes, and hardware, and will learn about the entrepreneurial skills needed to establish and operate a custom woodworking business. Students will also expand their awareness of health and safety issues and environmental and societal issues related to woodworking, and will explore career opportunities that may be pursued directly after graduation. (Prerequisite: Custom Woodworking, Grade 11, Workplace Preparation)

SHOP: CONSTRUCTION ENGINEERING TECHNOLOGY (TCJ3C) ** Offered next in 2018-19. **

This course focuses on the development of knowledge and skills related to residential construction. Students will gain hands-on experience using a variety of construction materials, processes, tools, and equipment; learn about building design and planning construction projects; create and interpret working drawings and sections; and learn how the Ontario Building Code and other regulations and standards apply to construction projects. Students will also develop an awareness of environmental and societal issues related to construction technology, and will explore career opportunities in the field. (Prerequisite: None)

Canadian and World Studies

WORLD HISTORY SINCE THE FIFTEENTH CENTURY, GRADE 12, UNIVERSITY PREPARATION (CHY4U)

This course traces major developments and events in world history since approximately 1450. Students will explore social, economic, and political changes, the historical roots of contemporary issues, and the role of conflict and cooperation in global interrelationships. They will extend their ability to apply the concepts of historical thinking and the historical inquiry process, including the interpretation and analysis of evidence, as they investigate key issues and ideas and assess societal progress or decline in world history. (Prerequisite: Any university or university/college preparation course in Canadian and world studies, English, or social sciences and humanities)

WORLD HISTORY SINCE THE FIFTEENTH CENTURY, GRADE 12, COLLEGE PREPARATION (CHY4C)

This course explores key developments and events in world history since approximately 1450, with a focus on interactions within and between various regions. Students will examine social, economic, and political developments and how they have affected different peoples. Students will extend their ability to apply the concepts of historical thinking and the historical inquiry process, including the interpretation and analysis of evidence, when investigating key turning points in world history and historical forces that have shaped our world. (Prerequisite: Any university, university/college, or college preparation course in Canadian and world studies, English, or social sciences and humanities)

ENVIRONMENTAL SCIENCE, GRADE 12, UNIVERSITY/COLLEGE PREPARATION (THE ENVIRONMENT AND RESOURCE MANAGEMENT, CGR4M)

This course investigates interactions between natural and human systems, with a particular emphasis on the impacts of human activity on ecosystems and natural processes. Students will use the geographic inquiry process, apply the concepts of geographic thinking, and employ a variety of spatial skills and technologies to analyse these impacts and propose ways of reducing them. In the course of their investigations, they will assess resource management and sustainability practices, as well as related government policies and international accords. They will also consider questions of individual responsibility and environmental stewardship as they explore ways of developing a more sustainable relationship with the environment. (Prerequisite: Any university, university/college, or college preparation course in Canadian and world studies, English, or social sciences and humanities)

CANADIAN AND INTERNATIONAL LAW, GRADE 12, UNIVERSITY PREPARATION (CLN4U)

This course explores a range of contemporary legal issues and how they are addressed in both Canadian and international law. Students will develop an understanding of the principles of Canadian and international law and of issues related to human rights and freedoms, conflict resolution, and criminal, environmental, and workplace law, both in Canada and internationally. Students will apply the concepts of legal thinking and the legal studies inquiry process, and will develop legal reasoning skills, when investigating these and other issues in both Canadian and international contexts. (Prerequisite: Any university or university/college preparation course in Canadian and world studies, English, or social sciences and humanities)

Language Studies

FRENCH, GRADE 12, UNIVERSITY PREPARATION (FSF4U)

This course provides extensive opportunities for students to speak and interact in French independently. Students will develop their listening, speaking, reading, and writing skills, apply language learning strategies in a wide variety of real-life situations, and develop their creative and critical thinking skills through responding to and interacting with a variety of oral and written texts. They will also enrich their understanding and appreciation of diverse French-speaking communities, and will develop skills necessary for lifelong language learning. Note: The course includes a class trip to Quebec that is an added cost to the student. (Prerequisite: French, Grade 11, University Preparation)

ENGLISH LITERATURE, GRADE 12, UNIVERSITY PREPARATION (ETS4U) – OFFERED ONLINE with Mr. VanEerden

This course is for students with a special interest in literature and literary criticism. The course may focus on themes, genres, time periods, or countries. Students will analyse a range of forms and stylistic elements of literary texts and respond personally, critically, and creatively to them. They will also assess critical interpretations, write analytical essays, and complete an independent study project. (Prerequisite: English, Grade 11, University Preparation)

ENGLISH LITERATURE, GRADE 12, COLLEGE PREPARATION (ETS4U) – OFFERED ONLINE with Mr. VanEerden

This course is for students with a special interest in literature. The course may focus on themes, genres, time periods, or countries. Students will study a variety of forms and stylistic elements of literary texts and respond personally, critically, and creatively to them. They will also investigate critical interpretations and complete an independent study project. (Prerequisite: English, Grade 11, College Preparation)

THE WRITER'S CRAFT, GRADE 12, UNIVERSITY PREPARATION (EWC4U)

This course emphasizes knowledge and skills related to the craft of writing. Students will analyse models of effective writing; use a workshop approach to produce a range of works; identify and use techniques required for specialized forms of writing; and identify effective ways to improve the quality of their writing. They will also complete a major paper as part of a creative or analytical independent study project and investigate opportunities for publication and for writing careers. (Prerequisite: English, Grade 11, University Preparation)

THE WRITER'S CRAFT, GRADE 12, COLLEGE PREPARATION (EWC4C)

This course emphasizes knowledge and skills related to the craft of writing. Students will investigate models of effective writing; use a workshop approach to write a variety of works; and make considered decisions for improving the quality of their writing. They will also complete a creative or analytical independent study project and investigate opportunities for publication and for writing careers. (Prerequisite: English, Grade 11, College Preparation)

Miscellaneous

CO-OP EDUCATION: Students can earn credits by working in an approved co-op placement. Students who are interested in gaining credits in this way should seriously consider Internship Block (see description later in the document) as well as contact their guidance counselor to determine ways to find an acceptable co-op workplace.

STUDENT ASSISTANT (formerly T.A.) *If you are interested in assisting a classroom teacher, as a student assistant, please contact that teacher or indicate that interest in the course selection process. We have had students volunteer and/or earn credits (e.g. GPP30) for work in E-Block, Video Block, PE, Mathematics, French, and English. Please look at the Student Assistant form, as well. Students who return for all or part of a fifth year who are Student Assistant may qualify for half-price tuition.*

RESOURCE (non-credit) *By Special Permission only. Please contact a resource teacher, if you wish to be in Resource.*

SHOW PERIOD (A Drama Credit) *Mr. Peters*

The class will likely consist of mostly actors. However, people in other positions (e.g. producer, stage manager) may earn a credit. Not all people involved in the show need to be part of this class, though the main participants will be required to take it. Students who wish to audition or apply for the show, should select this course as well as contact Mr. Peters about their interest.

COMPUTER SCIENCE (ICS3U)

This course introduces students to computer science. Students will design software independently and as part of a team, using industry-standard programming tools and applying the software development life-cycle model. They will also write and use subprograms within computer programs. Students will develop creative solutions for various types of problems as their understanding of the computing environment grows. They will also explore environmental and ergonomic issues, emerging research in computer science, and global career trends in computer-related fields. (Prerequisite: None) *This course may be taken only by special permission as it is likely to run during period 5.*

COMPUTER SCIENCE (ICS4U)

This course enables students to further develop knowledge and skills in computer science. Students will use modular design principles to create complex and fully documented programs, according to industry standards. Student teams will manage a large software development project, from planning through to project review. Students will also analyse algorithms for effectiveness. They will investigate ethical issues in computing and further explore environmental issues, emerging technologies, areas of research in computer science, and careers in the field. (Prerequisite: Introduction to Computer Science, Grade 11, University Preparation) *This course may be taken only by special permission from Mr. Hagen, as it is likely to run during period 5.*

SPARE: Students who have earned 24 credits may choose to take an unsupervised spare in grade 12.

SUPERVISED SPARE: TDChristian highly recommends that students NOT take a second spare. Instead students should take a seventh course. However, provided they have parental permission and permission from a teacher who is willing to have them in their classroom or under his or her supervision, students may request and, if approved, take a second spare in their grade 12 year.

YEARBOOK (TGG3M/4M) *By Special Permission only. Please contact Mr. Buwalda if you wish to be considered.*

ONTARIO LITERACY COURSE (OLC4O) *Students who do not pass the Ontario Literacy Test in grades 10 or 11 should take this course in the summer after Grade 11. It is not usually offered at TDChristian.*

Service Trips

MARCH BREAK SERVICE TRIP (Non-credit)

For the past number of years, groups of Grade 12 students have gone on Service Trips to Belize. These trips involve raising funds and often mean students miss three to five days of school, as well. Demand, teacher, and chaperone availability will determine whether or not there will be a trip. For more information, please contact Marg, in the office.

Special Semester-long Programs

INTERNATIONAL BLOCK (Currently 4 credits: English 11, Philosophy 11 [HZB3M] and two co-operative education credits.) Students who are accepted into the International Block Program go abroad for about two months in addition to classroom and project work before and after their trip. Students who complete International Block complete their Grade 11 Perspectives requirement through the philosophy course. This program usually involves an application process, interviews and extra fees \$5000 to \$6000. At present, details about this program are being determined. *Interested students and families should connect with Mr. Groot.*

INTERNSHIP BLOCK 11/12 (Offered, if numbers merit, in both semesters.)

This semester project-based program allows students to relate what happens in the work place to their learning in school. The block uses experiential learning in work places to highlight practical ways for students to learn to serve and work with others through their internships. Their experiences also qualify them for the Grade 11 Perspectives requirement. Students attend school for three days (Monday, Wednesday, and Friday) to work at earning an English credit (ENG3U, ENG3C, ENG4U or ENG4C) and a Manufacturing Technology (TMJ3M/C/E), Chemistry (SCH3U), or agreed upon Grade 12 credit. On most Tuesdays and Thursdays, students earn the two related co-operative education credits through their approved Internship (or co-op) placement. Grade 11 students who take Internship Block are not required to take HRE33. Grade 12 Students are not required to take Grade 12 Perspectives. Finally, students are given the opportunity to earn a fifth credit by taking an online course. *When submitting your course selection sheet, include the required application. See the Splash page link for the application form.*

Half-Credit Courses

BAND (AMR2O)

This half-credit course is an opportunity for the motivated instrumentalist to explore concert band repertoire on a broader scale. The emphasis in this course is on technique, ensemble playing, and interpretation. Band practices take place twice every week before school and work toward performances. (Prerequisite: None)

CHOIR (AMV2O)

This half-credit course is based on the belief that we all have voices which can be trained to sing well. Students need no musical background, only a love for singing in order to participate in the choir. In this course students will learn the fundamentals of vocal and performance technique and acquire a sensitivity toward choral music. Choir practices take place twice every week during school time and work toward performances. (Prerequisite: None)

DRAMA PRODUCTION, Open (ADD2O)

This half-credit course provides opportunities for students to explore dramatic conventions and techniques specifically connected to drama production. Students will assume responsibility for decisions made in the creative and collaborative processes, specifically related to the production of the school's mainstage show, and will reflect on their experiences. (Prerequisite: None)

DRAMA IMPROVISATION, Open or University/College (ADG2O, ADG3M)

This half-credit course explores the fundamentals of improvisation. Students will learn the craft of acting without scripts. Using their minds, voices and bodies as tools for expression students will grow as actors: individually, and in ensemble. Students will reflect on their experiences in a variety of ways. Class time includes a heavy emphasis on performance with live audiences weekly, hands-on workshops, and numerous improvisational competitions. (Prerequisite: ADA1O)

A Final Reminder: A course will run if there are enough students enrolled and there is a qualified teacher and a suitable teaching space.