

ACCOUNTING 11 (4 credits)

An understanding of basic accounting is essential for anyone involved in business. In this blended class a number of accounting procedures such as: recording transactions, preparing financial statements, setting up a chart of accounts and bank reconciliations will be taught. Accounting 11 meets the Math 11 requirement for the BC Adult Graduation Program.

ART METAL and JEWELRY 12 (4 credits)

Students will be casting silver jewelry by using the lost wax method. The wax molds used are premade but can be customized. The cost may vary depending on the number of pieces and amount of silver used. This is a hands on course.

BIOLOGY 11 Online (4 credits)

In Biology 11 students will learn about diversity, ecology, biochemistry and evolution of plants, animals and microbes.

BIOLOGY 12 (4 credits)

Biology 12 focuses on human biology, allowing students to develop an interest in and an understanding of science by seeing how the diverse body systems are integrated to maintain homeostasis. The order of learning outcomes follows a sequence from cell structure and simple biochemical processes to the organ systems themselves.

**BIOLOGY 12 ONLINE (4 credits)**

This course concentrates on cellular processes and human biology. It is a challenging, fast-paced course containing a great deal of interesting and exciting information designed to prepare students for the standards and content of university-level Biology and Biochemistry. The online course is hosted entirely on the Internet, so can be easily accessed from anywhere. Students will design a schedule to maintain a good pace and successful completion. There are great animations and videos to help with the learning process.

BUSINESS 12 (4 credits)

Finding a job is hard...enjoying a job is sometimes even harder. If you are a hard-working and determined person, starting your own business is an option *and an opportunity*. Learn how to take your own unique idea for a product or service that currently does not exist in the market place and turn it into a lucrative business.

CHEMISTRY 11 (4 credits)

Students will learn about atomic theory, classification of matter, the mole, chemical bonding and reactions, the periodic table and organic chemistry. There is also an emphasis on acquiring lab skills.

**CHEMISTRY 12 (4 credits)**

Students will extend the knowledge gained in Chemistry 11 to study reaction kinetics, energy changes and equilibrium during reactions, solubility, acid base equilibrium, oxidation-reduction reactions, and electrochemistry. Laboratory work is included in this course.

COMMUNICATIONS 12 (4 credits)

Students study a variety of literary works. Grammar and composition focus on the writing skills required for personal and business use as students strive for precision in language. This course satisfies the Language Arts 12 requirement for graduation.

DRAFTING & DESIGN 12 (4 credits)

Using various industry recognized drafting software, this introductory course will present students with the basics of Computer Aided Drafting and Design, as well as covering some fundamental principles of good mechanical and architectural design. Students must be prepared to install required (free) software on their home (PC) computer.

DIGITAL PHOTOGRAPHY AND VIDEO 12 (4 credits)

Students will develop a basic knowledge related to 2D digital photo design. Students will learn how to use a digital camera to capture an image and use software to design and compose an original digital document. They will develop presentations of their photographs and designs using slides and a personal website. Students will also develop a basic understanding of the processes and tools involved in digital video production—from the pre-production stages where students will learn the use of a digital camera and various lighting techniques to storyboarding and directing, to the post-production where students will use software to develop a critical eye. As well, students will discuss a variety of new technologies and analyze new software, procedures and policies.



**DIGITAL & SOCIAL MEDIA 12
(4 credits)**

From Facebook to YouTube, social media has become an integral part of our digital world. In this course, we will be using many of these tools and technologies (blogs, wikis, Twitter, Google Apps etc.) to examine how to be a critical consumer and producer of digital information. We will be looking at our own digital footprint—what is it and how do we manage it? By examining the many new means of communicating, we will build personal learning environments and networks that will be valuable well beyond this course.

**ENGLISH 10 (4 credits)**

This course is designed for adults returning to school who want to prepare for senior-level English courses and for school-aged students who need English 10 to graduate. Students learn to communicate effectively in written, spoken and visual forms. Students analyze literature, the mass media and various informational / technical materials.

ENGLISH 11 (4 credits)

A variety of literary works provide the framework for students to develop competencies in analyzing and responding to literature. Grammar and composition skills are also important components of the course.

ENGLISH 12 (4 credits)

Pre-requisite: English 11 recommended

This course will provide opportunities for personal and intellectual growth through speaking, listening, reading/viewing, and writing/representing. Developing confidence in these skills will empower students to find meaning in the world around them and participate fully in all aspects of society. To that end, they will study a variety of information texts, short stories and poems as well as a novel and a play. They will also work on various grammar topics that will help them improve their writing mechanics.

**ENGLISH 12 ONLINE (4 credits)**

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FAMILY STUDIES 12 (4 credits)

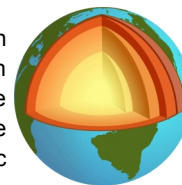
This course will provide students with the necessary skills, knowledge and abilities to meet the challenge of our dynamic and complex society. This course includes topics such as family relationships, social issues and their effect on the family, and the changing family.

FAMILY STUDIES 12 ONLINE (4 credits)

In this course, you will examine how changes in society impact the definition of a family and the functions of a family, as well as explore family trends in Canada and family customs and traditions in different cultures. You will also study how relationships form and change.

GEOGRAPHY 12 (4 credits)

Geography is the study of patterns in the earth, in nature and in human settlement. Students will be introduced to the studies of the earth's surface and tectonic processes, gradational processes, weather and climate, the biosphere, energy, managing the environment and topographic mapping. Throughout this course, students will gain insight into the changing nature of the world around us and learn to be conscientious, responsible global citizens.

**GRADUATION TRANSITIONS (4 credits)**

The Graduation Transitions course is a requirement for students on the 2004 Graduation Program. LEC's GT course is offered only to students whose home school is LEC. It covers two sections, Careers and Transitions. Students who successfully complete Graduation Transitions will receive an "RM" (Requirement Met) on their transcript.

HISTORY 12 (4 credits)

Students in History 12 learn modern world history from 1919 to 1991. Special emphasis is placed on the rise of totalitarianism, World War II, the Cold War, decolonization and the rise of the 'Third World'.

LAW 12—Forensics (4 credits)

Do you want to know how to analyze blood splatter evidence? If you are interested in CSI and criminal forensics, this class may be for you. Topics include: Canadian criminal law, as well as laws related to civil and family issues. This course provides a broad grounding in Canada's legal system.

**MARKETING 12 (4 credits)**

Marketing 12 is a comprehensive study of marketing techniques and activities. It provides students with opportunities to develop marketing strategies and skills in order to present a product, a service, or an idea in a business environment. Some topics include: advertising, introduction of new products and services, and product enhancement.

MATH 10, APPRENTICESHIP & WORKPLACE (4 credits)

Topics include: measurement, geometry, number and algebra. The next math course for students who successfully complete AWM 10 is Apprenticeship & Workplace Math 11.

MATH 10, FOUNDATIONS & PRE-CALCULUS (4 credits)

Topics include: measurement, algebra & number and relations & functions. The next math course recommended for students who successfully complete FMP 10 is either Foundations of Math 11 or Pre-Calculus 11.

MATH 11, APPRENTICESHIP & WORKPLACE (4 credits)

The AWM 11 course consists of topics such as: income and debt, interest, statistics, measurement, word problems, income tax and probability.

MATH 11, FOUNDATIONS (4 credits)

This course is designed to provide students with the mathematical understanding and critical-thinking skills identified for post-secondary studies in programs that do not require the study of theoretical calculus. Topics include: logical reasoning, geometry/trigonometry, statistics, relations and functions, and measurement. No prerequisite courses are required, but having Math 10 skills or equivalent is highly recommended.

MATH 11, PRE-CALCULUS (4 credits)

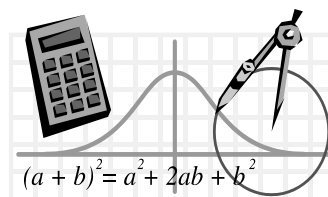
This course is strongly recommended for students who are planning on pursuing post-secondary studies in math, engineering or the physical sciences. Topics include: sequences and series, trigonometry, quadratic relations, radical, rational, absolute value and reciprocal functions, inequalities and systems of equations.

MATH 11, PRE-CALCULUS ONLINE (4 credits)

This course is strongly recommended for students who are planning on pursuing post-secondary studies in math, engineering or the physical sciences. Topics include: sequences and series, trigonometry, quadratic relations, radical, rational, absolute value and reciprocal functions, inequalities and systems of equations.

MATH 12, FOUNDATIONS (4 credits)

Foundations of Math 12 provides students with a practical understanding of mathematical concepts as they relate to real-life applications. Topics that will be covered include financial applications with investing and borrowing money, scenarios involving arrangements of objects and probability, applications using exponential and logarithmic functions, applications using trigonometry, concepts with polynomial functions and logic and reasoning problems. It is important and highly recommended that a student has Foundations of Math 11 before taking this course.

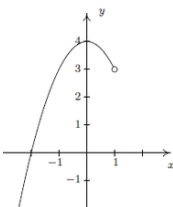


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MATH 12, PRE-CALCULUS (4 credits)

This course is strongly recommended for students who are planning on pursuing post-secondary studies in math, engineering or the physical sciences. Topics include: graphing and transforming polynomial, radical, trigonometric and rational functions; trigonometric equations and identities; exponential functions and logarithms; permutations and combinations.

The graph of G **MATH 12, PRE-CALCULUS ONLINE (4 credits)**

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PHYSICAL EDUCATION 10 ONLINE (4 credits)

PE 10 is a required course for students on the 2004 grad program. Topics include active living, movement, and personal & social responsibility.

PHYSICS 11 (4 credits)

Students in Physics 11 will study the wave nature of light and wave theory, motion and forces in one dimension, and nuclear energy. As physics is essentially a course on the mathematical aspects of nature, a strong mathematics background is essential.

**PHYSICS 12 (4 credits)**

Students in Physics 12 will prepare for post-secondary courses in Physics. Topics in the course include: vector kinematics and dynamics, mechanical energy and vector momentum, mechanical equilibrium, circular motion and gravitation, electrostatics, electric circuitry, and electromagnetism.

PLANNING 10 (4 credits)

Planning 10 provides opportunities for students to develop decision-making skills, explore post-secondary and career options, think critically about health and personal awareness issues, and develop financial literacy skills. For students on the 2004 Graduation Program, Planning 10 is a required course designed to enable students to develop the skills they need to become self-directed individuals who set goals, make thoughtful decisions, and take responsibility for pursuing their goals throughout life.

PLANNING 10 ONLINE (4 credits)

Planning 10 provides opportunities for students to develop decision-making skills, explore post-secondary and career options, think critically about health and personal awareness issues, and develop financial literacy skills. For students on the 2004 Graduation Program, Planning 10 is a required course designed to enable students to develop the skills they need to become self-directed individuals who set goals, make thoughtful decisions, and take responsibility for pursuing their goals throughout life.

PLANNING 12 ADULT (4 credits)

This course is only available to adult students who are enrolled in the BC Adult Graduation Diploma. This **paper-based** course includes 5 sections: Introduction to Planning 12, BC Adult Graduation Diploma, Wellness, Careers, and Transitions.

PSYCHOLOGY 12A (The Early Years) (4 credits)

Child Psychology 12 will be offered in the winter semester (January—April). If you are planning a career working with children, as an early childhood educator or a daycare provider, this class will give you some basic knowledge about the critical early years. Topics include: the early years, adolescent growth and development, parenting issues and strategies, and family relationships.



PSYCHOLOGY 12B (Intro to the Mind) (4 credits)

In this course the following topics will be covered: the brain, consciousness, learning, memory, thinking, motivation, stress, psychological disorders and social psychology. It is a major goal of this course to provide each student with a deeper insight into himself or herself as a person. At the same time, the course emphasizes the applicability of psychological knowledge and skills not only to family, but also workplace situations, including those found in specific careers in the field of human services.

SCIENCE & TECHNOLOGY 11 ONLINE (4 credits)

Students in this course will learn about the world of science and technology and the interaction which occurs between technology and society. This course covers topics such as resource management and sustainability, climate change, forensics and crime solving, transportation systems and personal technologies.

SOCIAL JUSTICE 12 (4 credits)

Pre-requisite: English 12 recommended

What is Social Justice? Social Justice is the assurance that the basic human rights of all people are upheld. This course will offer students the opportunity to analyze the causes and consequences of oppression and injustice, both locally and globally. They will examine social justice issues such as racism, homophobia, sexism, poverty, globalization and climate change. The goal of this course is to help students become educated, fair and open-minded citizens who think globally and act locally!



SOCIAL STUDIES 10 (4 credits)

Social Studies 10 focuses on current events in Canadian society, using Canada between the years of 1815 and 1914 as a backdrop. Topics include: applications of Social Studies, society and culture, politics and law, economy and technology, and the environment.



SOCIAL STUDIES 11 (4 credits)

In Social Studies 11 students will study three distinct topics including 20th century Canadian history, Canadian geography and environmental and human geography. Through the course students will become familiar with the rights, responsibilities, and practices of active Canadian citizenship. They will also explore Canada's role in the conflicts of the 20th century and its contribution to global stability, develop understanding of key environmental issues and challenges of global development and explore important issues related to Canada's evolving identity.



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