

Grade 12 Courses

The following are some brief descriptions of the courses available to grade 12 students. Please pay close attention to any pre-requisites required to be eligible to take a course.

CORE CLASSES

English Language Arts

ELA A30:* focuses upon Canadian literature under the units of Canada: Diverse Landscapes and People and Diverse Canadian Voices. Activities involve the strands of reading, writing, speaking and listening. **Pre-requisite: English Language Arts 20.**

ELA B30:* this course looks at literature produced by writers throughout the world and over time; it is an issue-based course focusing upon the study of Shakespeare, modern drama, non-fiction, and the novel. **Pre-requisite: English Language Arts 20**

History 30:* this is a survey of Canadian history from the time of Canadian Confederation (1867 AD) to the present day. The course places an emphasis on web based learning and includes the following activities: online games, debate, battle re-enactments, an archaeological dig, guest speakers, and a field trip to the parliament buildings in Regina.

Mathematics A30:* provides a look at intermediate algebra and geometrical concepts. Topics include polynomial and rational expressions, exponents and radicals, relations and functions, systems of linear equations, angles and polygons, permutations and combinations, and data analysis. **Pre-requisite: Mathematics 20.**

Note: Math A30 is a required course for many post-secondary programs.

Mathematics B30: (Advanced Algebra) topics studied include probability, matrices, graphing polynomials, complex and imaginary numbers, quadratic analysis, exponents and logarithms, sequences and series, and statistical analysis. **Pre-requisite: Mathematics A30.**

Note: this is a required course for entry into many post-secondary programs.

Mathematics C30:* (Advanced Algebra) topics studied include probability, matrices, graphing polynomials, complex and imaginary numbers, quadratic analysis, exponents and logarithms, sequences and series, and statistical analysis. **Pre-requisite: Mathematics A30.**

Note: this is a required course for entry into many post-secondary programs.

Calculus C30:* provides students with a preview of the first year of calculus at university. Key topics are limits, derivatives, and integrals. A further look at applications of these concepts provides a background for how these concepts can be used. **Pre-requisite: Mathematics A30.**

Note: This course is becoming a required course for many math-related university programs such as Engineering.

CORE SCIENCES

You *must* select *one* of the following science classes.

Biology 30:** looks at the internal working of living things ranging from cells and energy formation to genetics and the internal systems of the human body. Microscope use is provided and an optional fetal pig dissection is provided. **Pre-requisite: Science 10.**

Chemistry 30:* no description currently available. **Pre-requisite: Chemistry 20.**

Physics 30:* no description currently available. **Pre-requisite: Physics 20 or Math A30.**

REQUIRED CLASS

Christian Ethics 30: focuses on how the Christian faith helps guide the search to find a meaningful place in life, relationships, marriage and family, work and society, and in the church. Key concepts explored are redemption, vocation, stewardship, social responsibility, worship, and prayer. An NIV Study Bible is recommended. Desktop versions are also acceptable.

ELECTIVES

Law 30: a study of the rationale, practice, and formation of civil, criminal, and international law. This course involves field trips to court sessions as well as guest speakers from law enforcement and the practice of law. Depending upon student numbers this course can have a significant role-playing component.

Art 30: a hands on class developing skills in drawing, painting, and crafting skills. A variety of materials are worked with including soapstone and scratch art paper. There is a secondary importance placed upon art history and appreciation.

Choral 30: is an accredited class at LCBI and is offered at all grade levels. Classes take place during the lunch hour, making it possible for choral students to earn one extra credit every school year.

Drama 30: a production-style course designed to help students actively explore dramatic principles. We work on basics like voice projection, breathing and character

interpretation. We explore scripts, do readers theatre and prepare a one-act play for performance. All aspects of production are studied from lighting to set design. We also research some theatre history and modern theatre, as well.

Information Processing 30: a course stressing the acquisition and practice of managerial skills. Some of the things that will be studied are digital photography, web design, publishing, employee management, video game authoring, and the formation of various corporations.

Note: although there is no official pre-requisite to take this class, it is recommended that you have taken either **Information Processing 10** and/or **Information Processing 20**.

Physical Education 30:** athletic activities include cross-country, soccer, football, lacrosse, volleyball, basketball, badminton, floor hockey, track, and weight training. All these activities are used to promote fitness and healthy living. Community service comprises 20% of the final grade. Grade 12 expectations are higher than grade 11 expectations.

French 30: there is a strong emphasis on communication in French with a foundation in grammar. This is a building year, adding several tenses which are based on tenses learned in French 10 and 20. Reading strategies are expanded and the writing of longer pieces is encouraged. **Pre-requisite: French 20.**