



**2026-
2027**

**EBUS
ACADEMY**

Reference guide for
counselors, parents &
students.

**GRADES 10-12
COURSE DESCRIPTIONS**

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WELCOME TO EBUS ACADEMY!

Learn in our community. Live in yours!

EBUS Academy is a BC Public Online School that provides progressive online learning programs and courses to BC students. Founded in 1993, EBUS is an established leader in online learning (OL) enrolling students from Kindergarten to Adult.

Our Secondary program offers courses to both senior secondary and adult (19+ yrs) students. Even if you are currently enrolled in another high school, you have choices with EBUS! Our Cross-Enrollment options allow you to tailor a graduation plan that is specific to your educational needs and schedule!



Our programs support students by providing maximum flexibility through a variety of technologies, resources and educational services aimed at student success. We encourage students, parents, and 'home' school counselors to work together with our academic advisors to develop a plan that:

- Meets graduation requirements.
- Meets personal career goals.
- Meets admission requirements for post-secondary institutions.

Don't hesitate to speak with our Academic Advisors for more detailed information about our programs, courses, or to discuss your graduation plan!

ADMINISTRATION

Principal	Brian Cross	1.250.567.4413 ext. 7406; bcross@sd91.bc.ca
Vice-Principal	Tyler Clark	1.250.567.4413 ext. 7456; tclark@sd91.bc.ca

ACADEMIC ADVISORS

Grades 10 – 12	Chris Mushumanski	1.250.567.4413 ext. 7409; ebusadvisor@sd91.bc.ca
	Leal Baumann	1.250.567.4413 ext. 7428; ebusadvisor@sd91.bc.ca
Adult	Paul Belanger	1.250.567.4413 ext. 7443; pbelanger@sd91.bc.ca

Imagine ... Learning that fits your life!

Mission Statement:	To foster empowering and inspiring learning partnerships with students of all ages in all places.
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ENROLLMENT

FULL-TIME EBUS STUDENTS

EBUS Academy utilizes technology to support learners in alternative and innovative ways. This program facilitates individualized learning, fosters personal growth and recognizes the variety of ways learning occurs, and can be demonstrated. EBUS students interact directly with subject teachers in a variety of ways: email, Moodle/Brightspace messaging, Vclasses, online tutoring, by phone and in person. **You must have access to a working computer, and the internet, to access our program.**

COURSE SELECTION

1. Review the course requirements & descriptions, exam requirements, and important notes in this booklet.
2. Use the Course Planning Worksheet to summarize your plan. (P. 10-11)
3. Review the course plan with your parent/guardian
4. If not already enrolled full-time at EBUS, visit www.ebus.ca to enroll.
 - Enter your course requests on your enrollment form or email them to the academic advisor, after your intake meeting.

Visit www.ebus.ca!

CROSS-ENROLLED EBUS STUDENTS

A student can attend a neighborhood school while also enrolling at EBUS Academy for one or more Grade 10-12 courses. Students choose distance learning to suit individual schedules, to allow time for extra-curricular activities, to allow flexibility while learning, or to enhance their graduation credits. **You must have access to a working computer, and the internet, to access our program.**

COURSE SELECTION

For Cross-Enrollment

1. Review the course requirements & descriptions, exam requirements, and important notes enclosed in this booklet.
2. Review your course selection with your parent/guardian and school counselor.
3. Complete the Enrollment form from www.ebus.ca, and choose “cross-enrollment.”

ENROLLMENT CONFIRMATION

When the enrollment is processed, the student will receive an email including their new login name and password. Once logged in, the students will find their courses on the dashboard, and it is expected that students will contact their teacher.

ADULT STUDENTS

EBUS offers several graduation programs for BC-resident Adult students (18+ years).

- Courses for non-graduated students enrolled in our graduation programs are tuition-free.
- **Upgrading** courses for **graduated** adult students are tuition-free.

Please refer to our **Adult Program Guide** for program-specific details and/or contact our adult academic at: [Paul Belanger](mailto:Paul.Belanger@ebus.ca) to discuss your options as part of your enrollment process.



Integrity Policy: Why it Matters

At EBUS, honesty and fairness matter. You're expected to complete your own work and use tools responsibly. Integrity means showing what you know and giving credit when you use help or ideas from others.

1. Exams, Tests, and Quizzes

- **Learners must complete these items on their own, without using notes, devices, or AI tools unless your teacher says it is permitted.**
- **Cheating or irregularities (like using AI or the internet without permission) may result in a zero or other action.**
- **In many courses, supervised or invigilated assessments are required.**
 - **Supervised assessments are those in which an adult verifies that the student has done the work without any assistance.**
 - **Invigilated assessments are those that take place under the direct supervision of an EBUS approved invigilator.**
- **In cases where irregularities occur or there is a discrepancy between the performance on non-invigilated work and performance on the invigilated assessment, teachers may change your mark based on the following:**
 - **Within 10% difference - no change in your mark**
 - **Within 25% difference - your mark may be averaged with your invigilated assessment mark; your teacher may refer your case to the administration.**
 - **More than 25% difference - you may be required to rewrite the assessment; your invigilated assessment mark may replace your unit or final course grade; your teacher may refer your case to the administration.**

2. Plagiarism

Plagiarism means using someone else's words, ideas, or AI-generated work as your own.

Examples:

- Copying from a website, book, or AI tool
- Rewording text without credit
- Quoting without saying where it is from
- Using a translator

Not plagiarism: Common facts (like "BC is a province in Canada").

If plagiarism happens: You may get a warning, a zero, or be required to redo the work under supervision. Serious cases will be referred to the administration.

Avoid plagiarism by:

- Writing in your own words
- Citing all sources (and AI tools)
- Using bibme.org for citations

3. Responsible Use of AI

AI tools (like ChatGPT, Gemini or Grammarly) can be helpful, but only when your instructor allows it. If it is not explicitly stated by your instructor, consider it not permissible.

Rules

- **Ask first: Check if AI is allowed.**
- **Be honest: Include an AI Use Statement if you use it.**

Example: "Used ChatGPT (May 2025) to brainstorm ideas; rewrote in my own words."

- **Cite it: List the tool name and date in your references.**
- **Do your own thinking: Do not submit AI work as your own reasoning or answers.**

Okay to use AI: Brainstorming, grammar check, idea generation (with citation).

Not okay to use AI: AI-written essays, code, or images submitted as your own.

If you use AI for images or media, include the tool name, prompt, and edits.

4. When There is a Problem

If unauthorized help or AI use is suspected:

- **Your teacher will review your work and contact you.**
- **Consequences depend on intent and severity (warning, resubmission, zero, or withdrawal).**

5. Quick Summary

- ✓ **Do your own work**
- ✓ **Ask when unsure**
- ✓ **Give credit to others and AI tools**
- ✓ **Learn with honesty and respect**

6. [Ministry of Education & Childcare Resources](#)

2023 GRADUATION PROGRAM REQUIREMENTS (DOGWOOD DIPLOMA)

To receive a British Columbia Certificate of Graduation (Dogwood), students must earn at least 80 credits and complete the Provincial Graduation Assessments in numeracy and literacy. Each standard course is 4 credits. Use the Course Planning Worksheet (page 10 & 11) to plan your year.

At least 16 credits must be at the Grade 12 level, including a required Language Arts 12 and Career Life Connections

4 credits required from Indigenous-focused course(s)

52 required credits:

Career-Life Education (4 credits)
 Career-Life Connections (4 credits)
 Physical and Health Education 10 (4 credits)
 Science 10 (4 credits)
 Science 11 or 12 (4 credits)
 Social Studies 10 (4 credits)
 Social Studies 11 or 12 (4 credits)
 Math 10 (4 credits)
 Math 11 or 12 (4 credits)
 Language Arts 10
 Language Arts 11
 Language Arts 12
 An Arts Education 10, 11, or 12 and/or an Applied Design, Skills, and Technologies 10, 11, or 12 (4 credits total)
 Indigenous-Focused (4 credits)

28 elective credits:

At least 28 credits (seven 4-credit courses) must be from electives.

GRADUATION ASSESSMENTS

To graduate, students must complete three (3) graduation assessments. For more information visit: <https://curriculum.gov.bc.ca/provincial/assessment>

Graduation Numeracy Assessment (Grade 10 GNA)

This provincial assessment is required to earn a dogwood diploma. It should be taken in grade 10. It can be written up to three times between Grades 10-12).

Graduation Literacy Assessment (Grade 10 GLA)

This provincial assessment is mandatory for all students graduating with a dogwood diploma. It should be taken in grade 10 and can be written 3 times between Grades 10-12.

Graduation Literacy Assessment (Grade 12 GLA)

The Grade 12 Graduation Literacy Assessment is required for students graduating with a dogwood diploma. It should be taken in the grade twelve year.

Some helpful information... before you complete your Course Planning Worksheet.

Basics:

- On the Course Planning Worksheet, summarize the courses you've completed. Log into your student web account at www.bced.gov.bc.ca/exams/tsw/tsw/logon to view your completed courses. Note that complete results from the current school year may not be available there until mid-summer.
- Full-time students generally start with 4-5 courses in September, then request more to start in February, as they finish a course. The plan can be revisited any time to make adjustments – just talk to the [academic advisor](#).
- Either submit a dashboard request or email your academic advisor with your course selections. Include any questions or concerns, as well as explanations of special circumstances – the ensuing conversation is how we arrive at the best plan for you.
- Students may select electives at higher grade levels. e.g. Gr. 10 students may select Gr. 11-level electives

Considerations:

- It's time to think about life after high school--you want to ensure you're selecting the courses you need! Visit the websites of post-secondary institutions, training programs, or employment opportunities in order to carefully review admission criteria and course prerequisites. Consult with your academic advisor.
- Second language courses are not required to graduate but may affect eligibility for post-secondary programming after graduation.
- Think about your preferences and study style when planning your courses. Consider starting courses you expect to be more difficult in September.

COURSE SELECTION

Please use this list to complete the Course Planning Worksheet on pages 10 & 11.
For full course descriptions see pages 12-30.

APPLIED SKILLS

Accounting 11 & 12
Child Dev. & Caregiving 12
Computer Programming 11
Economics 12
Entrepreneurship 12
Fashion and Interior Design 11
Food Studies 11 & 12
Forensic Science 11 (1&2)
Interpersonal/Family Relationships 11
Psychology 11
Veterinary Science 11

CAREER EDUCATION

Career Life Education 10
Career Life Connections 12

FINE ARTS

Instrumental Music: Guitar
10/11/12
Instrumental Music: Piano
10/11/12
Photography 11 & 12
Studio Arts 2D 11
Visual Arts: Media Arts 10 – 12
Visual Arts: Art Studio 10

LANGUAGE ARTS

English LA: Composition 11
English LA: Creative Writing 11
English LA: New Media 11
English 10 – Choose one:
Composition/Creative Writing
Composition/Literary Studies
Composition/Lit/ Science Fiction
Composition/New Media
Composition/Spoken Language
English First Peoples 10
English First Peoples 11
English Studies 12
English First Peoples 12
English 11: LA Literary Studies
11

SECOND LANGUAGE

Français Langue Seconde-
Immersion 12
French 10
French 11
French 12
Introductory Spanish 11
Introductory Mandarin 11
Mandarin 10
Mandarin 11
Mandarin 12
Spanish 11

MATHEMATICS

Calculus 12
Foundations of Math & Pre-Calculus 10
Foundations of Math 11 & 12
Pre-Calculus 11 & 12
Workplace Math 10 & 11

PHYSICAL EDUCATION

Physical & Health Education 10
Active Living 11 & 12

SCIENCES

Anatomy and Physiology 12
Chemistry 11 & 12
Earth Science 11
Life Sciences 11
Physics 11 & 12
Science 10
Science for Citizens 11
Specialized Science 12 (Astronomy)

SOCIAL STUDIES

20th Century World History 12
BC First Peoples 12
Comparative World Religion 12
Explorations in Social Studies 11
Law Studies 12
Philosophy 12
Physical Geography 12
Political Science 12
Social Justice 12
Social Studies 10

GENERAL ELECTIVES

Creative Writing 12
Independent Directed Studies
LA: Literary Studies 12
Psychology 12

INDIGENOUS-FOCUSED STUDIES

English First Peoples 10, 11, 12
BC First Peoples 12

COURSE PLANNING WORKSHEET

BC Graduation Requirements (Dogwood Diploma)

Requirement	Grade 10	Grade 11	Grade 12
English Language Arts	4 credits required (two 2-credit courses). <input type="checkbox"/> Composition 10 <input type="checkbox"/> Creative Writing 10 <input type="checkbox"/> English First Peoples 10 <input type="checkbox"/> Literary Studies 10 <input type="checkbox"/> Literary Studies Sci Fi 10 <input type="checkbox"/> New Media <input type="checkbox"/> Spoken Language 10 <input type="checkbox"/> Other: _____ <i>At EBUS, all English 10 choices include Composition 10</i> <input type="checkbox"/> Completed September February	Choose one 4-credit course: <input type="checkbox"/> Composition 11 <input type="checkbox"/> Creative Writing 11 <input type="checkbox"/> English First Peoples 11 <input type="checkbox"/> Literary Studies 11 <input type="checkbox"/> New Media 11 <input type="checkbox"/> Other: _____ <input type="checkbox"/> Completed September February	Choose one 4-credit course: <input type="checkbox"/> English Studies 12 <input type="checkbox"/> English First Peoples 12 <input type="checkbox"/> Completed September February
Mathematics	Choose one 4-credit course: <input type="checkbox"/> Foundations of Mathematics and Pre-calculus 10 <input type="checkbox"/> Workplace Mathematics 10 <input type="checkbox"/> Completed September February	Choose one 4-credit course: (Grade 11 or Grade 12) <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <input type="checkbox"/> Foundations of Mathematics 11 <input type="checkbox"/> Pre-Calculus 11 <input type="checkbox"/> Workplace Math 11 <input type="checkbox"/> Other: _____ <input type="checkbox"/> Completed September February </div> <div style="width: 45%;"> <input type="checkbox"/> Foundations of Mathematics 12 <input type="checkbox"/> Pre-Calculus 12 <input type="checkbox"/> Other: _____ <input type="checkbox"/> Completed September February </div> </div>	
Science	Required 4-credit course: <input type="checkbox"/> Science 10 <input type="checkbox"/> Completed September February	Choose one 4-credit course: (Grade 11 or Grade 12) <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <input type="checkbox"/> Chemistry 11 <input type="checkbox"/> Earth Science 11 <input type="checkbox"/> Life Sciences 11 <input type="checkbox"/> Physics 11 <input type="checkbox"/> Science for Citizens 11 <input type="checkbox"/> Other: _____ <input type="checkbox"/> Completed September February </div> <div style="width: 45%;"> <input type="checkbox"/> Anatomy and Physiology 12 <input type="checkbox"/> Chemistry 12 <input type="checkbox"/> Physics 12 <input type="checkbox"/> Specialized Science 12: Astronomy <input type="checkbox"/> Other: _____ <input type="checkbox"/> Completed September February </div> </div>	
Social Studies	Required 4-credit course: <input type="checkbox"/> Social Studies 10 <input type="checkbox"/> Completed September February	Choose one 4-credit course: (Grade 11 or Grade 12) <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <input type="checkbox"/> Explorations in Social Studies 11 <input type="checkbox"/> BC First Peoples 12 <input type="checkbox"/> Physical Geography 12 <input type="checkbox"/> 20th Century World History <input type="checkbox"/> Law Studies 12 <input type="checkbox"/> Completed September February </div> <div style="width: 45%;"> <input type="checkbox"/> Comparative World Religion 12 <input type="checkbox"/> Philosophy 12 <input type="checkbox"/> Political Science 12 <input type="checkbox"/> Social Justice 12 <input type="checkbox"/> Other: _____ <input type="checkbox"/> Completed September February </div> </div>	
Requirement			

Arts Education/ADST	4 credits: (Choose a Grade 10, 11 or 12 level course) For course listings offered at EBUS, see pages 12-30. <input type="checkbox"/> _____ <input type="checkbox"/> Completed September February	
Career Education	Two required Career Education courses during Grades 10-12 (8 credits total) <input type="checkbox"/> Career Life Education 10 <input type="checkbox"/> Career Life Connections 12 (taken in grade 12) <input type="checkbox"/> Completed September February	
Physical and Health Education (PHE)	Required 4-credit course: <input type="checkbox"/> Physical and Health Education 10 <input type="checkbox"/> Completed September February	
Electives: minimum 28 Credits		
The 28 elective credits in Grade 10-12 can come from the following options:		
<ul style="list-style-type: none"> • Ministry-developed or ministry-approved courses • Board/Authority (BAA) courses • Independent Directed Studies (IDS) 		<ul style="list-style-type: none"> • External Credentials • Post-Secondary (“dual”) credit
Grade 10: 2-5 electives	Grade 11: 3-5 electives	Grade 12: 6-8 electives*
<input type="checkbox"/> _____ <input type="checkbox"/> _____ <input type="checkbox"/> _____ <input type="checkbox"/> _____ <input type="checkbox"/> _____	<input type="checkbox"/> _____ <input type="checkbox"/> _____ <input type="checkbox"/> _____ <input type="checkbox"/> _____ <input type="checkbox"/> _____	<input type="checkbox"/> _____ <input type="checkbox"/> _____ <input type="checkbox"/> _____ <input type="checkbox"/> _____ <input type="checkbox"/> _____ <input type="checkbox"/> _____ <input type="checkbox"/> _____ <input type="checkbox"/> _____
Indigenous-Focused Coursework 4 credits		
<input type="checkbox"/> English First Peoples 10 <input type="checkbox"/> English First Peoples 11 <input type="checkbox"/> BC First Peoples 12 <input type="checkbox"/> English First Peoples 12 <input type="checkbox"/> Other _____	Completed <input type="checkbox"/> September <input type="checkbox"/> February	
*Of the 80 credits needed for graduation, at least 16 credits must be at the Grade 12 level, including a Grade Language Arts Course.		
Examinations/Assessments	Requirement: <input type="checkbox"/> Graduation Numeracy Assessment (any time in Grades 10, 11, 12); two rewrites possible. <input type="checkbox"/> Grade 10 Graduation Literacy Assessment (any time in Grades 10, 11, 12); two rewrites possible. <input type="checkbox"/> Grade 12 Graduation Literacy Assessment (any time in Grades 10, 11, 12); two rewrites possible.	

As you complete this sheet, place a tick mark on the Completed box, as you finish courses and earn credits. Circle September for the courses you plan to start (or finish) in September. Circle February for the course you will start in February. Do not plan to take more than 8 courses per year.

This course plan presents a starting point but is flexible and can be adjusted at any time by talking to your Academic Advisor. For students wishing to sign up for courses before June 15th of the year, instructions will be sent by Chris Mushumanski.

At other times, either submit a dashboard request or email your Academic Advisor with your course selections.

COURSE DESCRIPTIONS

APPLIED SKILLS

ACCOUNTING 11

Accounting 11 has no pre-requisite but is a pre-requisite for Accounting 12. In Accounting 11 we will take you through a simple accounting cycle, by examining financial accounting. Accounting 11 starts with the ethical approach to accounting, and takes you through the journaling, posting and preparation of financial statements. By the time you finish the course, you will have completed the accounting cycle in its entirety for a company. Accounting 11 is available through the Brightspace platform and requires a computer/tablet device. Start by watching the welcome video in the course for an overview and introduction to the course. You need to be able to use the Microsoft Office Suite, including Excel, which is available to all EBUS students on their student dashboard (look for the cloud icon to open up Office 365 on your student dashboard when you log in on the EBUS website).

Recommended Prerequisite: None
4 Credits Elective Courses or 4 credits Applied Skills

ACCOUNTING 12

Accounting 12 examines what it takes to be in a management accounting position and explores: payroll, inventory, specialized journals & ledgers, internal controls, investments, and the Cash Flow statements, all used in managerial accounting. Practical application of the skills learned in Accounting 11 are used in Accounting 12 to mimic real-life accounting policies, and to examine a company's standing in the market. There is an opportunity to test out an active accounting program, at no cost, if students choose to fully engage in the course.

Recommended Prerequisite: Accounting 11
4 Credits Elective Courses or 4 credits Applied Skills

CHILD DEVELOPMENT & CAREGIVING 12

This course provides invaluable information on topics surrounding pregnancy and childbirth. It will also provide details on child development from birth to age 12, as well as how to care for babies and children in each stage of development. This is an excellent course for those considering careers involving children, including healthcare, teaching, childcare, and recreation, or for those who simply enjoy being around children or who

plan to eventually become a parent in the future. This grade 12 course is also open to grade 11 students who are interested in this topic.

Recommended Prerequisite: None
4 Credits Elective Courses or 4 credits Applied Skills

COMPUTER PROGRAMMING 11

Computer Programming is the study of how computers solve problems. Students will learn to break down complex problems, construct algorithms and program solutions. Students will learn to read, trace, and construct simple code, as well as creating their own code to solve a problem.

Recommended Prerequisite: None
4 Credits Elective Courses or 4 credits Applied Skills

ECONOMICS 12

Economics 12 provides students with opportunities to analyze the effects of economic activity on our society, the nation, and the global community. Students will gain an understanding of the principles behind government and social policies. The study of economics will give students an understanding of personal, professional, and business decisions regarding the allocation of resources they will be required to make throughout their lives. As well, the study of current economic developments, trends and issues will enable students to improve their educational and career choices.

Recommended Prerequisite: None
4 Credits Elective Courses or 4 credits Applied Skills

ENTREPRENEURSHIP 12

There are no pre-requisites for Entrepreneurship 12, but it is recommended that you are a grade 11, 12 or adult student so you have been exposed to some of the business language previously.

In Entrepreneurship 12, you will set up a business plan to present to potential investors. From the legal requirements to strategy in the market, and of course the financing of such a venture, you will walk away with the understanding of what it takes to plan and start-up a business from nothing. An accounting background is beneficial but not necessary.

Recommended Prerequisite: None
4 Credits Elective Courses or 4 credits Applied Skills

FASHION AND INTERIOR DESIGN 11

Do you have a flair for fashion? Are you constantly redecorating your room? If so, the design industry might just be for you! In this course, you'll explore what it is like to work in the industry by exploring career possibilities and the background that you need to pursue them. Get ready to try your hand at designing as you learn the basics of color and design then test your skills through hands-on projects. In addition, you'll develop the essential communication skills that build success in any business. After completing the first three general units based on elements of design, you will choose to focus the next three units, either in fashion OR interior design. If you choose fashion, you will need to have access to and be able to use a sewing machine (at a basic level). By the end of the course, you'll be well on your way to developing the portfolio you need to get your stylishly clad foot in the door of this exciting field. Note: *You will need to have access to a sewing machine and possess very basic sewing skills for the "Fashion" part of the course, but only if you choose that option.*

Recommended Prerequisite: None

4 Credits Elective Courses or 4 credits Applied Skills

FOOD STUDIES 11

In this course, students will be cooking, watching instructional videos from a professional cooking school, taking online quizzes from those videos, and researching information for those learning outcomes that can't be achieved through the above-mentioned avenues. For those outcomes, students will read information from various Internet sources. The main goal of the course is to enjoy the experience of making a variety of food creations in the kitchen.

Recommended Prerequisite: None

4 Credits Elective Courses or 4 credits Applied Skills

FOOD STUDIES 12

Food Studies 12 focuses on planning and preparing nutritious foods by accessing an online cooking school resource. Students learn how to make fantastic food while understanding and demonstrating specific skills related to the lessons. Students also increase their knowledge of the current topics related to food production, distribution, and marketing.

Recommended Prerequisite: Food Studies 11

4 Credits Elective Courses or 4 credits Applied Skills

FORENSIC SCIENCE 11**Forensic Science I: Secrets of the Dead**

Fingerprints. Blood spatter. DNA analysis. The world of law enforcement is increasingly making use of the techniques and knowledge from the sciences to better understand the crimes that are committed and to catch those individuals responsible for the crimes. Forensic science applies scientific knowledge to the criminal justice system. This course focuses on some of the techniques and practices used by forensic scientists during a crime scene investigation (CSI). Starting with how clues and data are recorded and preserved, the student will follow evidence trails until the CSI goes to trial, examining how various elements of the crime scene are analyzed and processed.

This course does not meet the Science 11 or 12 graduation requirement.

Recommended Prerequisites: None

4 Credits Elective Courses or 4 credits Applied Skills

FORENSIC SCIENCE 11**Forensic Science II: More Secrets of the Dead**

In this second forensic course, students will continue to explore the importance of preserving the secrets of the dead. This course focuses on using lab tests to identify specific drugs and poisons, and the importance of trace evidence found at the crime scene, such as paint chips, metals and soils, and insects. They will learn about facial reconstruction and other methods of identifying remains and explore the evidence trails left by electronic usage.

This course does not meet the Science 11 or 12-graduation requirement.

Recommended Prerequisite: Forensic Sc. Part 1

4 Credits Elective Courses or 4 credits Applied Skills

INTERPERSONAL AND FAMILY RELATIONSHIPS 11

The overall goal of this course is to provide students with a broad overview of how relationships form and change. Students explore a variety of relationships, including work relationships, friendships, and committed relationships, as well as examine how these the variety of ways people communicate and describe components of healthy and unhealthy relationships. They conclude by researching careers associated with interpersonal and family relationships.

Recommended Prerequisites: None

4 Credits Elective Courses or 4 credits Applied Skills

PSYCHOLOGY 11

Have you ever wondered: why people have different personalities; what intelligence is and how it is measured; why one person is attracted to another; and

why people dream and what dreams mean? Psychology 11 is an introductory course that will address some of the above questions and more. This course will introduce some history of psychological thought, theories of motivation, emotion and personality as well as human development, learning theory, and social psychology. It will allow students to explore some of these topics from a Western World's point of view to various cultures, including an Aboriginal's view. This course works best for students who have an interest in learning about themselves, who have good writing skills, and who have the motivation and self-discipline to work independently. You will be working on self-reflection write-ups for each of the five units in this course.

Recommended Prerequisite: None
4 Credits Applied Skills or Elective Course

VETERINARY SCIENCE 11

Veterinary Science: The Care of Animals

As animals play an increasingly important role in our lives, scientists have sought to learn more about their health and well-being. Taking a look at the pets that live in our homes, on our farms, and in zoos and wildlife sanctuaries, this course will examine some of the common diseases and treatments for domestic animals. Toxins, parasites, and infectious diseases impact not only the animals around us, but at times...we humans as well! Through veterinary medicine and science, the prevention and treatment of diseases and health issues are studied and applied.

This course does not meet the Science 11 or 12-graduation requirement.

Recommended Prerequisite: None
4 Credits Elective Courses or 4 credits Applied Skill

CAREER EDUCATION

CAREER LIFE EDUCATION 10

Career Life Education 10 is an important and useful course that teaches practical life skills and is a required course for all students in BC. EBUS Career Life Education 10 emphasizes the practical nature of the course, giving students an opportunity to learn about the graduation program, job search skills and resume writing, and to produce a resume that can be used for finding a summer or part time job. Students also learn about safe work practices, budgeting for college, university or a personal goal, and creating a "life compass" to help in making healthy decisions. This course is delivered online and students are provided with handy entry windows for responses to questions or "upload" buttons for larger files. ***Career Life Education 10 is required for graduation.***

Recommended Prerequisite: None

4 Credits Required Courses- Career Life Education 10

CAREER LIFE CONNECTIONS 12

Career Life Connections 12 is a 4 credit, online, self-paced course required for graduation. It is intended to prepare grade 12 students for a successful transition to career and life beyond high school.

The 6 main areas of study include:

- Looking at how active citizenship and lifelong learning foster career opportunities
- Examining how a sense of purpose and career-life balance support well-being
- Engaging in network building and mentorship opportunities
- Examining internal and external factors, local and global trends for ongoing cycles of career-life decisions
- 30 hours of work or volunteer experience
- The CLC capstone presentation

Career Life Connections 12 is required for graduation.

Recommended Prerequisite: None

4 Credits Required Courses- Career Life Connections 12

80 credits are the minimum needed to graduate, but students are always encouraged to take more courses, if they fit in with the students' learning style and schedule



FINE ARTS

INSTRUMENTAL MUSIC: GUITAR 10

In this course, learners gain the skills and knowledge to help develop their guitar "toolbox." This is the ultimate beginners' course covering everything from how to play, guitar maintenance, a history of the instrument and the nuances of music theory. The focus of the course is to ensure learners new to the guitar discover the joys of playing music.

Recommended Prerequisite: None
4 Credits Elective Courses or 4 Credits Fine Arts

INSTRUMENTAL MUSIC: GUITAR 11

In Guitar 11, learners will gain an even broader understanding of music and the guitar's place in music history. Learners will refresh their theory knowledge from previous guitar lessons as well as begin learning about sheet music and how to write their own music. Over the course, learners will competently learn about the scales, notes and modes of the guitar, and learn how to combine their knowledge of theory with practice.

Recommended Prerequisite: Instrumental Music: Guitar 10
4 Credits Elective Courses or 4 Credits Fine Arts

INSTRUMENTAL MUSIC: GUITAR 12

In Guitar 12, learners will explore the more intricate workings of music, such as how to develop themselves as artists after high school. Guitar 12 learners will study music theory and reading/writing sheet music as they dive deeply into learning and playing new material including studying existing music for inspiration.

Recommended Prerequisite: Instrumental Music: Guitar 11
4 Credits Elective Courses or 4 credits Fine Arts

INSTRUMENTAL MUSIC: PIANO 10

This course, enhanced with video and graphic supports, is an ideal introductory course for beginner piano players. Learners will become familiar with the instrument. Musical elements, principles, vocabulary, and theory are presented throughout the course. Learners are encouraged to develop and refine their skills, while taking creative risks.

Prerequisite: None
4 Credits Elective Courses or Fine Arts

INSTRUMENTAL MUSIC: PIANO 11

In Piano 11, learners will continue their study of music and the piano. Learners start to build an intermediate understanding of music and the instrument. Scales, chords and rhythm are analyzed, and material that is more challenging are learned. We will also look at the

role of the piano in different genres and talk about how to use music theory to be creative.

Recommended Prerequisite: Instrumental Music: Piano 10
4 Credits Elective Courses or 4 credits Fine Arts

INSTRUMENTAL MUSIC: PIANO 12

Piano 12 offers learners a more developed piano and music experience. Advanced scales, chords and rhythms are discussed as well as their role in music and what musical genres make use of this theory. Advanced songs and techniques are studied, and the learners will have to tools to analyze music critically as well as exploit their creativity.

Recommended Prerequisite: Instrumental Music: Piano 11
4 Credits Elective Courses or 4 credits Fine Arts

PHOTOGRAPHY 11

This course focuses on the basics of photography. Students will learn to use their camera or Smartphone, experiment with settings in a range of environments while completing engaging projects. The essential design elements, as well as composition techniques, feature throughout the course.

Recommended Prerequisite: None
4 Credits Elective Courses or 4 credits Fine Arts

PHOTOGRAPHY 12

In this course, learners will refine their photography skills through creative risk-taking. Learners will improve their ability to reflect and connect their photos in different contexts. Learners have the flexibility of using a variety of camera types, from DSLRs to Smartphones.

Recommended Prerequisite: Photography 11
4 Credits Elective Courses or 4 credits Fine Arts

STUDIO ARTS 2D 11

If you love to experiment with art materials, then this is the course for you! In Studio Arts 2D 11, learners will create two-dimensional artwork, using a variety of processes, techniques, and materials. Learners will become familiar with the elements of visual, principles of design in addition to learning to critique artwork and becoming familiar with major art movements. Learners are encouraged to take creative risks and reflect on their personally meaningful artistic works.

Recommended Prerequisite: None
4 Credits Elective Courses or 4 credits Fine Arts

VISUAL ARTS: ART STUDIO 10

The Art Studio 10 course expands on the foundations, terminology, and basic elements of art presented in previous grades. Independent thinking and creativity are encouraged, while you improve your artistic skills through a variety of 2-D and 3-D projects.

*Recommended Prerequisite: None
4 Credits Elective Courses or 4 credits Fine Arts*

VISUAL MEDIA ARTS 10

Do you love exploring and creating digital artwork? Are you interested in developing and refining your skills as an artist? Students will learn about and apply the steps required to take an idea and see it through to completion. Also, students will learn the basics of 3D animation with Autodesk Maya (supplied by EBUS) allowing students to give lifelike movements to a character.

*Recommended Prerequisite: None
4 Credit Elective Courses or 4 Credits Fine Arts*

VISUAL MEDIA ARTS 11

Do you have a passion for digital animation and illustration? Students will refine and extend their

illustration skills while focused on drawing foundations, facial features, and human anatomy. The basics of colouring and principles of perspective also feature in this course. The use of MAYA software (supplied by EBUS) will also feature, where students will use the tools and techniques required to create 3D objects and environments.

*Recommended Prerequisite: Visual Media Arts 10
4 Credits Elective Courses or 4 Credits Fine Arts*

VISUAL MEDIA ARTS 12

Do you love to create characters, in 2D or 3D? In this course, students will refine and expand their illustration skills, precisely, human anatomy, and gestures. Character rigging, the way a character moves, is the primary focus of this course. Also, students will polish their rigging skills and techniques by constructing a character with moving limbs and face, using Autodesk Maya (supplied by EBUS).

*Recommended Prerequisite: Visual Media Arts 11
4 Credits Elective Courses or 4 Credits Fine Arts*



LANGUAGE ARTS

CREATIVE WRITING 12

THIS COURSE IS AN ELECTIVE. It does **NOT** meet English Language Arts credit for graduation.

Creative Writing 12 provides an opportunity for students to create texts and take these through editing processes that will have them writing with increased sophistication and independence. Learners will broaden their previous writing experiences and deepens skills in introspection, reflection, and intention in the writer's use of language and organization of stories. Learners will assess written and oral story to help them understand the power of creative storytellers to help us understand the community, the world and the self. They will then practice several different forms of writing in creative non-fiction, memoirs, poetry, the short story. Through practice, students will learn to take risks and persevere as they prepare to write independent pieces that will be polished to a publishable quality for real life purposes.

Recommended Prerequisite: none
4 Credits General electives

ENGLISH 10: COMPOSITION AND FOCUSED LITERARY STUDIES

This course combines the ELA Composition and Focused Literary Studies curriculums to offer students a way to get all four credits in one course. Students will complete a discrete Composition unit where they will focus on creating a short story. Beyond that they will work through 5 other units that explore the core competencies: thinking, communication, personal and cultural identity, and personal and social responsibility. Specifically, students will look closely at the different genres of writing such as poetry, essays, short stories, and the novel. They will dissect them to see what makes them effective. This course culminates with a novel study and a final exam in the form of a self-evaluation.

Recommended Prerequisite: English 9
4 Credits Required Courses – Language Arts 10

ENGLISH 10: COMPOSITION AND FOCUSED LITERARY STUDIES – SCIENCE FICTION

This course combines the ELA Composition and Focused Literary Studies curriculums to offer students a way to get all four credits in one course. Students will complete a discrete Composition unit where they choose a form of writing to focus on (screenplays, proposals, short stories, or editorials). Beyond that they will work through four units Novel Study, Poetry, Short Stories, and Non-Fiction; exploring the core competencies: thinking,

communication, personal and cultural identity, and personal and social responsibility, culminating with a final exam.

Recommended Prerequisite: English 9
4 Credits Required Courses – Language Arts 10

ENGLISH 10: COMPOSITION AND CREATIVE WRITING

This course combines the ELA Composition and Creative Writing curriculums to offer students a way to get all four credits in one course. Students will complete a discrete Composition unit where they choose a form of writing to focus on (screenplays, proposals, Indigenous stories, or editorials). Beyond that, they will work through units exploring the core competencies: thinking, communication, personal and cultural identity, and personal and social responsibility, culminating with a novel study.

Recommended Prerequisite: English 9
4 Credits Required Courses – Language Arts 10

ENGLISH 10: COMPOSITION AND SPOKEN LANGUAGE

This course combines the ELA Composition and Spoken Language curriculums to offer students a way to get all four credits in one course. Students will complete a discrete Composition unit where they choose a form of writing to focus on (screenplays, proposals, short stories, or editorials). Beyond that they will work through four units exploring the core competencies: thinking, communication, personal and cultural identity and personal and social responsibility. Culminating with an Indigenous novel study and a final exam.

Recommended Prerequisite: English 9
4 Credits Required Courses – Language Arts 10

ENGLISH 10: COMPOSITION AND NEW MEDIA

This course combines the ELA Composition and New Media curriculums to offer students a way to get all four credits in one course. Students will gain personal experience with various forms of digital media including text, audio, video, web, and graphics. Students will develop skills and knowledge in effective written, oral, and visual communication. Students will explore the writing process in the context of heroes, memories, and storytelling. Both individually and through asynchronous peer connection, students will investigate the concept of being social in today's world with guided studies in digital citizenship, bias, personal agency and responsibility,

personal and cultural identity, and careers and trends in digital technology and new media.

*Recommended Prerequisite: English 9
4 Credits Required Courses – Language Arts 10*

ENGLISH 11: COMPOSITION 11

Composition is “the act of creating written works”. So, it makes sense that this course will focus on the written word, but in creative and interesting ways. The basis for the course will be to read a specific novel alongside other types of writing. From these texts, students will then learn how to employ various composition techniques to create sophisticated, unique, and crafty pieces. The main goal is to write original and authentic pieces for a range of purposes and real-world audiences.

*Recommended Prerequisite: An English 10
4 credits English Language Arts or 4 Credits Elective Courses*

ENGLISH 11: CREATIVE WRITING 11

Creative Writing 11 is designed for students who are interested in developing confidence and refining their writing skills through self-expression for various creative purposes. The course provides students with in-depth opportunities to explore personal and cultural identities, memories, and stories in a wide range of genres. Creative Writing 11 is grounded in the exploration and application of writing processes, inviting students to express themselves creatively as they reflect on, adjust, and extend their writing skills.

*Recommended Prerequisite: An English 10
4 credits English Language Arts or 4 Credits Elective Courses*

ENGLISH 11: LITERARY STUDIES 11

English 11 Literary Studies (Dystopia) focuses on literature and stories focusing on visions of utopias and failed utopias (dystopias). The course offers poetry, a class novel study (The Marrow Thieves) as well as film. Methods of inquiry will involve assignments, essays and other compositions, and recordings and film presentations. There is opportunity for students to choose some of the works to study. The study of Dystopias helps us to define and understand the values important to humanity

*Recommended Prerequisite: An English 10
4 Credits English Language Arts or 4 Credits Elective Courses.*

ENGLISH 11: NEW MEDIA 11

New Media 11 is a program of studies designed to reflect the changing role of technology today and the increasing importance of digital media in communicating and exchanging ideas. New Media 11 recognizes that digital literacy is an essential characteristic of the educated

citizen. The course is designed to reflect the changing role of technology today and the increasing importance of digital media in communicating effectively and exchanging ideas. Coursework is aimed at providing students with a set of skills vital for success in an increasingly complex digital world, by affording numerous opportunities to demonstrate understanding and communicate increasingly sophisticated ideas through a wide variety of digital and print media. New Media 11 meets the criteria for Language Arts 11 and will prepare students for their required English Studies 12 or English First Peoples 12 course.

*Recommended Prerequisite: An English 10
4 Credits English Language Arts or 4 Credits Elective Courses*

ENGLISH FIRST PEOPLES 10

EFP 10 is a combination of Literary Studies and Writing. EFP Literary Studies 10 is designed for students who are interested in exploring First Peoples literature in a variety of contexts, genres, and media. This area of choice provides students with opportunities to explore personal and cultural identities, histories, stories, and connections to land/place. This course is grounded in the understanding of how texts are historically and culturally constructed. Students will work individually and collaboratively to broaden their understanding of themselves and the world.

*Recommended Prerequisite: English 9
4 Credits Required Courses – Language Arts 10
4 Credits Indigenous Focused Studies*

ENGLISH FIRST PEOPLES 11

This course builds on and extends previous learning experiences in English Language Arts courses. It is designed for all students and provides them with opportunities to:

- Refine their ability to communicate effectively in a variety of contexts and achieve their personal and career goals
- Think critically and creatively about the uses of language
- Explore texts from a variety of sources, in multiple modes, and that reflect diverse worldviews
- Deepen their understanding of themselves and others in a changing world
- Gain insight into the diverse factors that shape identity
- Appreciate the importance of self-representation through text
- Contribute to Reconciliation by building greater

understanding of the knowledge and perspectives of First Peoples

- Expand their understanding of what it means to be educated Canadian and global citizens

Recommended Prerequisite: An English 10
4 Credits English Language Arts or 4 Credits Elective Courses
4 Credits Indigenous Focused Studies

ENGLISH FIRST PEOPLES 12

English First Peoples 12 builds upon and extends students' previous learning experiences in ELA and EFP 10 and 11 courses. The course is grounded in the First Peoples Principles of Learning. It is designed for all students, Aboriginal and non-Aboriginal, who are interested in delving deeply into First Peoples' oral and written literature and visual texts in a range of media. The course focuses on the experiences, values, beliefs, and lived realities of First Peoples as evidenced in various forms of text, including oral story, poetry, song, performance, film, and prose. A key feature of the course is its focus on authentic First Peoples' voices (i.e., historical or contemporary texts created by or with First Peoples).

Recommended Prerequisite: An English 11
4 Credits Required Courses – Language Arts 12
4 Credits Indigenous Focused Studies

ENGLISH STUDIES 12

The English Studies 12 course is one of the two options for graduation requirements. It offers the opportunity for personal development in the context of making connections. Students will consider diverse perspectives and practice the respectful exchange of ideas in asynchronous online class conversations with peers. Students will be invited to think deeply through assignments, designed to guide the realization of awareness and skills toward sharing insight rather than just information. The Big Ideas articulated in BC Education Plan's new curriculum are explored through the six units in the course: Perspective, Reconciliation, Story, Media and Pop Culture, issues, and Author Study. Within these units students will recognize culturally relevant and current authors such as Rupi Kaur, Gord Downie, and Margaret Atwood, alongside names that may be less familiar, such as Buffy Ste. Marie, Wab Kinew, and Randy Pausch. In addition to traditional

communication methods such as the expository essay, students will encounter podcasts, spoken word performances, and hashtags. Past students have shared that the completion of this course resulted in unexpected personal growth as well as an expansion of both self and cultural awareness. This course is based on Literary Studies and Writing 11.

Recommended Prerequisite: An English 11
4 Credits Required Courses – Language Arts 12

LITERARY STUDIES 12

THIS COURSE IS AN ELECTIVE. It does **NOT** meet English Language Arts credit for graduation.

Literary Studies 12 allows students to delve more deeply into literature through increasingly complex texts. Students can explore specific themes, periods, authors, or areas of the world through literary works (fiction and non-fiction) in a variety of media. Linking world literature to current events and concerns/topics important to today's students will:

- increase their literacy skills through close reading of appropriately challenging texts.
- enhance their development of the English Language Arts curricular competencies, both expressive and receptive
- expand their development as educated global citizens
- develop balance and broaden their understanding of themselves and the world
- further refine higher-level thinking and learning skills

Recommended Prerequisite: An English 11
4 Credits Elective Courses

EBUS students are expected to stay in contact with their teacher by:

- ***e-mailing often***
- ***attending Vclasses***
- ***phoning when needed***
- ***submitting assignments as soon as they are completed (every 2-3 days, as appropriate to the course)***

SECOND LANGUAGES

FRANÇAIS LANGUE SECONDE-IMMERSION 12

This course is for students who have knowledge of French such as students who have attended French Immersion (from kindergarten to grade 11), Intensive French (grades 6 to 11) or who are Francophone. Prerequisite courses are any of the BC French Immersion Grade 11 courses. Students should be at least at a **B1 level** based on the Common European Framework of Reference for Languages to complete this course.

“French Immersion 12 is required to receive a bilingual diploma. The objective of this course is to help students to integrate and enhance the linguistic competencies and linguistic and cultural knowledge acquired during past learning experiences. French Immersion 12 will enable students to gain an overview of the various factors that shape their bilingual identity. It offers many opportunities for students to deepen their knowledge of themselves and others in a changing world. In addition, students will explore different types and genres of texts, from various sources, that reflect Francophone and First Peoples perspectives. The course will encourage students to use critical and creative thinking to analyze various communication situations and refine their communication skills in diverse contexts in order to achieve their personal and career objectives”.

EBUS does not offer the French language

test: Évaluation de littératie de la 12e année – Français langue seconde-immersion.

You will need to talk to your school counselor or contact your school district to learn where you can write this assessment.

(French Immersion Language Arts Curriculum, Province of British Columbia, 2018)

Recommended Prerequisite: Any ONE of the following:

Français langue seconde - immersion 11 - Communication orale 11

Français langue seconde - immersion 11 - Études du cinéma et de la littérature francophones 11

Français langue seconde - immersion 11 - Langue et culture de la francophonie 11

Français langue seconde - immersion 11 - Médias et communication numérique 11

4 Credits Elective Courses

FRENCH 10

This class offers a variety of tasks focusing on French language development. This course covers many aspects of the French language and culture. The work includes watching clips, listening to audio files, producing audio files, and reading and writing,

Recommended Prerequisite: French 9

4 Credits Elective Courses

FRENCH 11

French 11 is a prerequisite for entrance into certain B.C. Universities and colleges. This course is meant to improve the French skills already acquired in French 10. This course is specifically designed to trigger students' interest through video clips, audio files and projects.

Recommended Prerequisite: French 10

4 Credits Elective Courses

FRENCH 12

In French 12 students are expected to engage in increasingly complex oral and written communication, expanding from previously acquired knowledge of French. This course covers many aspects of the French language and culture, including poetry and art. The work includes watching clips, listening to audio files, producing audio files, reading, and writing.

Recommended Prerequisite: French 11

4 Credits Elective Courses

INTRODUCTORY SPANISH 11

Introductory Spanish 11 is a course specifically designed for students that have no previous knowledge of Spanish. The basic tools used in this class are a book, audio files, video clips and written exercises. Many aspects of Spanish speaking cultures and its contribution to our society are covered in this class. Main topics covered are; greetings, present tense, basic descriptive words, question words, basic possessive words and common communicative phrases related to tourism. Completion of Introductory Spanish 11 provides students with a level of competence in the language that will allow them to participate successfully in a Spanish 11 course.

Recommended Prerequisite: None

4 Credits Elective Courses

INTRODUCTORY MANDARIN 11

This introductory language course is intended for students who no previous knowledge of Mandarin. The activities and exercises cover oral/writing expression/comprehension, including use of Hanyu Pinyin. Assessments will include written assignments, oral presentations, quizzes, and projects.

Recommended Prerequisite: None
4 Credits Elective Courses

MANDARIN 10

The course will continue to develop previously acquired Mandarin skills through various tasks. The activities and exercises cover oral/writing expression/comprehension, including use of Hanyu Pinyin. Assessments will include written assignments, oral presentations, quizzes, and projects.

Recommended Prerequisite: Intro to Mandarin 11
4 Credits Elective Courses

MANDARIN 11

Many aspects of Mandarin speaking cultures and its contribution to our society are covered in this class. The activities and exercises cover oral/writing expression/comprehension, including use of Hanyu Pinyin. Assessments will include written assignments, oral presentations, quizzes, and projects.

Recommended Prerequisite: Mandarin 10
4 Credits Elective Courses

MANDARIN 12

This course covers many aspects of the mandarin language and culture, including poetry and art. The activities and exercises cover oral/writing expression/comprehension, including use of hanyu pinyin. Assessments will include written assignments, oral presentations, quizzes, and projects.

Recommended Prerequisite: Mandarin 11
4 Credits Elective Courses

SPANISH 11

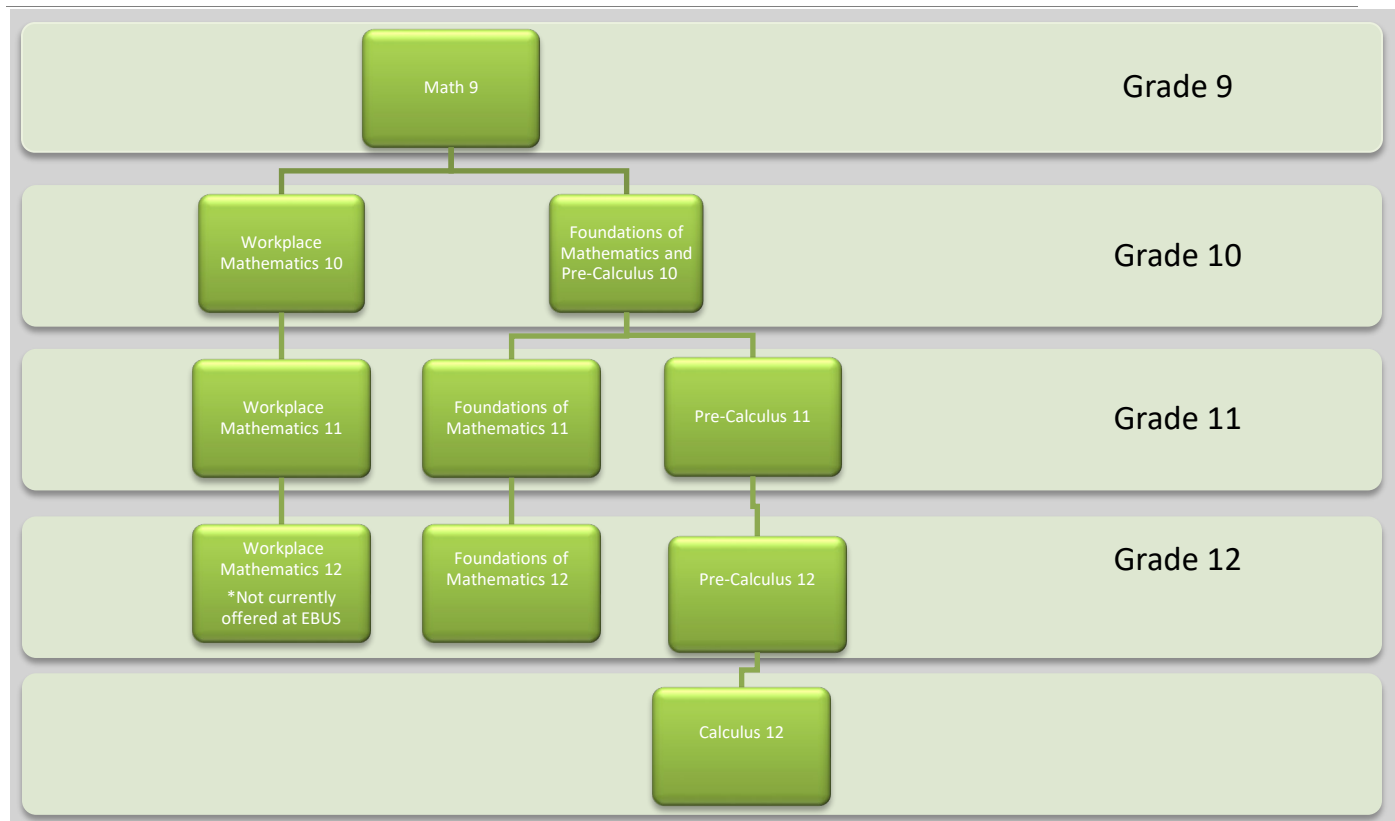
This class is a continuation of Introduction to Spanish 11. It deepens the knowledge of the Spanish language and culture through the use of video clips, dialogues, written exercises and the use of built in text book pages. Assignments are submitted through online activities. Main topics covered are; present and past tense, likes and dislikes, orders, prepositions of location, directions and common communicative phrases related to daily activities. There is a required culture project. There is no midterm or final exam.

Recommended Prerequisite: Intro to Spanish 11
4 Credits Elective Courses

**If you are a current student, instructions on how to select your courses using MYED BC will be sent to you via email. Otherwise, please email your Academic Advisor with your course selections.*



Mathematics Course Direction



GRADE 10

Foundations of Math & Pre-Calculus is the course that keeps the most post-secondary options open: most students who do well in Math 9 take this course. Students interested in the trades or the service industry should look at Workplace Math. A grade 10 math course is required for graduation.

GRADE 11

Students completing Foundations/Pre-Calc 10 choose between Foundations of Math 11 and Pre-Calculus 11. Check post-secondary requirements carefully to inform this choice. Students starting with the Workplace Math 10 continue with Workplace Math 11. A grade 11 math course is required for graduation.

GRADE 12

Pre-Calculus 12 is the academic course required for admission to post-secondary programs such as Sciences and Engineering. A grade 12 math course is not required for graduation.

MATHEMATICS

CALCULUS 12

Calculus 12 will give students a basic understanding of calculus which will help those who wish to go into post-secondary science, math, engineering and computer science programs. Topics in this course include Functions, Limits & Continuity, Differentiation, Derivatives, Integration and Differential Equations. Students should have achieved a good grade in pre-Calculus 12 before pursuing this course.

Recommended Prerequisite: Pre-Calculus 12
4 Credits Required – Mathematics 11 or 12
OR 4 Credits Elective Courses

FOUNDATIONS OF MATH AND PRE-CALCULUS 10

No textbook required. This course is presented in a series of video lessons, with students completing practice questions. Topics to be covered include powers and exponent laws, prime factorization, multiplying and dividing polynomial expressions, trigonometry, linear relations and functions, graphing, function notation, arithmetic sequences, systems of equations and financial literacy. Students will submit worked questions and will complete online quizzes.

Recommended Prerequisite: Math 9
4 Credits Required Courses – Mathematics 10

FOUNDATIONS MATH 11

This pathway is designed to provide students with the mathematical understandings and critical-thinking skills identified for post-secondary studies in programs that do not require the study of theoretical calculus. Topics include mathematical reasoning, angle relationships, graphical analysis, applications of statistics, scale models, and financial literacy.

Recommended Prerequisite: Foundation of Math and Pre-Calculus 10
4 Credits Required Courses – Mathematics 11

FOUNDATIONS MATH 12

Foundations of Math 12 centers around the big ideas of probabilistic thinking, data modelling, financial decisions, and geometric explorations. The course instruction is offered through StudyForge lesson videos, note packages, and practice questions. The topics include geometry, graphical representations, regression analysis, combinatorics, probability, and financial planning. This course is suited for students looking for post-secondary studies in arts and other faculties.

Recommended Prerequisite: Foundations of Math 11
4 Credits Required Courses-Mathematics 11 or 12
Or 4 Credits Elective Courses

PRE-CALCULUS 11

Students will learn and develop mathematical skills that are foundational for use in pre-calculus and calculus thereafter. Pre-Calculus 11 focuses on quadratic relationships, their prevalence around us, and the use of algebra to generalize these relationships through abstract thinking. Students will explore the meanings of and connections between operations extending to powers, radicals and polynomials. Students will use proportional reasoning to solve indirect measurement trigonometric problems, and work with formulas for financial literacy. These mentioned topics will be studied with use of the Communication, Thinking, and Personal & Social core competencies.

Recommended Prerequisite: Foundation of Math & Pre-Calculus 10
4 Credits Required Courses – Mathematics 11

PRE-CALCULUS 12

Pre-Calculus 12 centers around the big ideas of inverses, functions, and transformations. The course instruction is offered through StudyForge lesson videos, note packages, and practice questions. The topics include trigonometry, rational and exponential functions, logarithms, polynomials, transformations, and geometric sequences and series. This course is suited for students looking for post-secondary studies in math, science, and engineering.

Recommended Prerequisite: Pre-Calculus 11
4 Credits Required - Mathematics 11 or 12
Or 4 Credits Elective Courses

WORKPLACE MATH 10

Workplace Mathematics 10 prepares students for math in the workplace and focuses on real-world applications of mathematics. The course focuses on helping students build skills around four main ideas: proportional reasoning; measurement of 3-dimensional objects; number sense and flexibility with numbers; and representing and analyzing data to make sense of it. The course delivers instruction through videos, in which students can take notes. There are assignments, chapter tests and projects, in which students will apply their understanding and develop competencies.

Recommended Prerequisite: Math 9
4 Credits Required Courses – Math 10

WORKPLACE MATH 11

NO TEXTBOOK REQUIRED. This is a self-paced course delivered via animated video series. This course is a part of the pathway designed to provide students with the mathematical understandings and critical-thinking skills identified for entry into the majority of trades and for direct entry into the work force. Topics covered include: Measurement - SI and Imperial; Geometry - right triangles, scale, perspective; Numbers - personal budgets, compound interest, financial services, credit options, numerical reasoning puzzles and games; Algebra - formula manipulation, slope, proportional reasoning and unit analysis.

Recommended Prerequisite: Workplace Math 10 or Foundations of Math & Pre-Calculus 10
4 Credits Required Courses – Mathematics 11

$$\frac{1}{V} \int z \, dV = \frac{\pi r_1^2}{V H^2} \int_0^H (z^3 - 2z^2 H)$$

$$= \frac{\pi r_1^2}{V H^2} \left[\frac{z^4}{4} - \frac{2z^3 H}{3} \right]$$

Which math, language arts or science course is better for university? Discuss this with your [academic advisor](#)!

PHYSICAL EDUCATION

PHYSICAL & HEALTH EDUCATION 10

This course continues to develop skills and build on concepts introduced in Grade 8 and 9. Students are expected to demonstrate their understanding of body systems, nutrition, healthy lifestyle and physical fitness concepts introduced in Grade 8 and 9. **Physical & Health Education 10 is required for graduation.**

Recommended Prerequisite: None

4 Credits Required Courses- Physical & Health Education 10

ACTIVE LIVING 11

In this course, students will participate in a variety of activities through the course that they enjoy. Students will demonstrate that physical activity is an important part of overall health and well-being. Finally, students will look at safety and injury prevention practices that will allow them to stay healthy and active throughout their lives.

Recommended Prerequisite: Physical & Health Education 10

4 Credits Elective Courses

Students are most likely to experience success in their courses if they communicate regularly with their teachers and academic advisor.

ACTIVE LIVING 12

The focus of Active Living 12 is to allow students to explore physical activities of their choice. Students will have the opportunity to investigate recreation opportunities in their community. They will look at why it is important to look after oneself in terms of physical and well-being. They will look at safety concerns in different environments and perform 10 hours of volunteer work.

Recommended Prerequisite: Physical & Health Education 10

4 Credits Elective Courses



* If you are a current student, instructions on how to select your courses using MYED BC will be sent to you via email. Otherwise email your Academic Advisor with your course selections!

The goal for every course is to finish by the June deadline, each school year. A prepared student should leave lots of time for that to happen.

SCIENCES

ANATOMY AND PHYSIOLOGY 12

Anatomy and Physiology 12 is a course which studies cell structure, function and processes as well as the human body. It focuses on big ideas related to homeostasis, DNA and cells, and organization of organ systems. There are 6 main units of study: Cells and Biochemistry; DNA, RNA and Protein Synthesis; Cell Membrane and Enzymes; Digestive and Urinary Systems; Circulatory and Respiratory Systems; Nervous and Reproductive Systems.

Recommended Prerequisite: Chemistry 11 Please consult with the teacher if you do not have credit for Chemistry 11. Biology 11 is not a prerequisite for this course.

*4 Credits Required Courses-Science 11 or 12
Or 4 Credits Elective Course*

CHEMISTRY 11

Chemistry 11 explores the world of science on an atomic level and is designed to build students' knowledge of core chemistry concepts. The course focuses on big ideas related to atoms, molecules and moles, chemical reactions and energy, solution chemistry, and organic chemistry. Chemistry 11 emphasizes real-life applications of chemistry and helps students connect their learning to the world around them. Several virtual labs and one hands-on home lab deepen student understanding of content and scaffold important lab skills that will be required for future science courses and a variety of post-secondary programs. Students work through on-line lessons and a textbook. This course contains assignments, labs, projects and two midterm exams.

Recommended Prerequisite: Science 10 & Foundations of Math & Pre-Calculus 10

*4 Credits Required Courses – Science 11 or 12
Or 4 Credits Elective Courses*

CHEMISTRY 12

The Chemistry 12 explores chemical reactions: why and how they happen, and chemical systems in equilibrium. This course builds on students' knowledge of core chemistry concepts and focuses on big ideas related to reaction rates, dynamic equilibrium, saturated solutions, acid and base strength and oxidation/reduction. The course is divided into five units each focused on one big idea. Each topic has video lessons, supplemental material, and suggested workbook readings. There are quick-check quizzes, quizzes, assignments and a unit test to both improve and measure learning.

Final Exam: 20% of Final Mark

*Recommended Prerequisites: Chemistry 11 & any Math 11
Please consult with the teacher if you do not have credit for Chemistry 11.*

*4 Credits Required Courses – Science 11 or 12
Or 4 Credits Elective Courses*

EARTH SCIENCE 11

Earth Science 11 explores both current issues that our planet is facing as well as processes that have shaped the planet we call home. The course focuses around five big ideas: how Earth materials are formed, changed and used as resources; tectonic plate motion and theory; how weather systems are created and impacted by climate change and water distribution; and the explanations of the origin and interactions of Earth within the solar system through Astronomy. The course delivers instruction through lessons and media, and students make notes through learning packages. There are assignments, chapter tests and projects in which students will apply their understanding and develop competencies.

Recommended Prerequisite: Science 10

*4 Credits Required Courses – Science 11 or 12
Or 4 Credits Elective Courses*

LIFE SCIENCES 11

Life Sciences 11 introduces students to living things and to the taxonomic system. You will learn about how scientists classify living things and features of organisms big and small. There are four main units of study: Evolution and Taxonomy; Cells, Cell processes; Viruses and Microbiology; Plants and Animals.

Recommended Prerequisite: Science 10

*4 Credit Required courses – Science 11 or 12
Or 4 Credit Elective Courses*

PHYSICS 11

Physics 11 explores the world of motion and energy. It is designed to build students' knowledge of core physics concepts. The course focuses on four big ideas. An object's motion can be predicted, analyzed and described. Forces influence the motion of an object. Energy is found in different forms, is conserved, and has the ability to do work. Mechanical waves transfer energy but not matter. Physics 11 emphasizes real-life applications and helps students connect their learning to the world around them. Several virtual labs and one

hands-on home lab deepen student understanding of content and scaffold important lab writing skills. Physics 11 provides a solid foundation for students carrying on to Physics 12.

Recommended Prerequisite: Science 10
4 Credits Required Courses – Science 11 or 12
Or 4 Credits Elective Courses

PHYSICS 12

The intent of this course is to build on and extend beyond the basic concepts of Physics 11. The course itself is more rigorous mathematically and conceptually. There will be multiple opportunities for students to check their understanding prior to bigger assessments. There is no textbook; the course material is all online. Students will need to consistently work through the course material as much is covered in this course. Students are encouraged to utilize a variety of resources to support their learning and to take place in the collaborative forums provided.

Recommended Prerequisite: Physics 11
4 Credits Required Courses – Science 11 or 12
Or 4 Credits Electives

SCIENCE FOR CITIZENS 11

Science for Citizens 11 prepares students for science in the workplace and focuses on real-world, practical applications of science. The course focuses on helping students build skills around three big ideas: scientific processes and knowledge impact our daily lives and decisions; how scientific technology and knowledge is used in the workplace; and an understanding of science that enables us, as citizens, to respond and adapt to change on a local and global level. The course delivers instruction through videos in which students can make notes. There are assignments, chapter tests and projects in which students will apply their understanding and develop competencies

Recommended Prerequisite: Science 10
4 Credits Required Courses – Science 11 or 12
Or 4 Credits Electives

SCIENCE 10

Science 10 introduces main topics from Biology, Chemistry, Physics and Earth Science. This will form the basis for further studies in future grades and provide students with knowledge to find areas of interest. This course has four main units of study: DNA, Genetics and Natural Selection; Chemical Reactions and Radioactivity; Law of Conservation of Energy; The Universe.

Recommended Prerequisite: Science 9
4 Credits Required Courses- Science 10

SPECIALIZED SCIENCE 12 - ASTRONOMY

Specialized Science 12 – Astronomy explores the universe. It covers topics you hear about in the news, including our solar system and exoplanets, the Sun and neutrinos, stars and stellar evolution, black holes and gravity waves, galaxies and dark matter, The Big Bang and the structure of the universe, and space exploration. The course focuses on four big ideas: astronomy seeks to explain the origins of the universe and interactions of celestial bodies (Earth Science). An object's motion can be predicted, analyzed and described (physics 11). Forces interact within fields and cause linear and circular motion (physics 12). Elements and compounds have specific properties (chemistry 11). Astronomy is designed with a number of hands-on labs and projects to help students connect with the distant universe. Many models are also used to allow students to understand space through everyday life connections.

Recommended Prerequisites: Science 10 and Foundations of Math and Pre-Calculus 10
4 Credits Required Courses – Science 11 or 12
Or 4 Credits Elective Courses

SOCIAL STUDIES

20TH CENTURY WORLD HISTORY 12

20th Century World History 12 introduces students to the history of the twentieth century, beginning with the treaties that ended World War 1 and ending with the collapse of the Soviet Union in 1991. While studying these events, students will also be learning something of the skills necessary to interpret historical events – how to ensure historical information is accurate and relevant, how to develop historical empathy, and how to present clear, logical arguments, based on a knowledge of the events, for example. These skills will be helpful throughout life.

*Recommended Prerequisite: Social Studies 10
4 Credits Required Courses – Social Studies 11 or 12
Or 4 Credits Elective Courses*

BC FIRST PEOPLES 12

This course can be taken for a Socials Studies 11 credit.

BC First Peoples 12 looks at how the identities, worldviews, and language of BC First Peoples are renewed, sustained, and transformed through their connection to the land. Students will investigate how the impact of contact and colonialism continues to affect the political, social, and economic lives of BC First Peoples. Students will study how cultural expressions convey the richness, diversity, and resiliency of BC First Peoples. Student will gain an understanding of how through self-governance, leadership, and self-determination, BC First Peoples challenge and resist Canada's ongoing colonialism.

*Recommended Prerequisite: Social Studies 10
4 Credits Required Courses - Social Studies 11 or 12
4 Credits Indigenous Focused Studies
Or 4 Credits Elective Courses*

COMPARATIVE WORLD RELIGION 12

Through the ages, religions around the world have shaped the political, social, and cultural aspects of the world. Understanding much of what has happened in human history and what is happening in societies today, can be understood by learning the historical and contemporary role of religions. In this course, we will trace the major developments in world religions and their role in shaping social institutions. Learners will see the similarities and differences in the major religions and examine the connections and influence they had and still have today. Through stories, art, dance, ceremonies, architecture, and texts, we will explore historical belief systems and the most contemporary spiritual beliefs.

While learning about these religions you will also build strengths in the core competencies

*Recommended Prerequisite: Social Studies 10
4 Credits Required Courses – Social Studies 11 or 12
Or 4 Credits Elective Courses*

EXPLORATIONS IN SOCIAL STUDIES 11

In Explorations in Social Studies 11, students will build a strong foundation across many skill sets, engage in inquiry and community-based learning, and improve their critical thinking abilities. Students will explore various perspectives of the past, present, and future of cultures and geography through the lenses of law, social justice, philosophy, and economics. This course will allow students to enhance their understanding of our world and their place in it.

*Recommended Prerequisite: Social Studies 10
4 Credits Required Courses – Social Studies 11 or 12
OR 4 Credits Elective Courses*

LAW STUDIES 12

Law Studies 12 introduces the student to the legal rights and responsibilities, which allow citizens to participate more fully in society. Laws maintain the status quo, but they are also a force for change. Students will examine how laws have changes over time. Canada's laws and legal framework affect many aspects of daily life. The more you understand about these things, the easier it is to navigate through daily events. These skills will be helpful to you throughout life.

*Recommended Prerequisite: Social Studies 10
4 Credits Required Courses – Social Studies 11 or 12
Or 4 Credits Elective Courses*

PHILOSOPHY 12

Philosophy 12 is an academic course that prepares students for academic post-secondary studies. Students will complete five units on various topics. Students will engage in philosophical discussion in forums via key word posts, complete unit learning guides and unit inquiry projects. The course has no textbook, instead uses engaging videos to introduce topics, with readings alongside for further study

*Recommended Prerequisite: Social Studies 10
4 Credits Required Courses – Social Studies 11 or 12
Or 4 Credits Elective Courses*

PHYSICAL GEOGRAPHY 12

Physical Geography 12 is a comprehensive course which examines the world around us from both a regional and global perspective using the five themes of geography, namely location, place, human/environmental interaction, movement and regions. Learners will investigate physical geography topics such as the cause and effects of plate tectonics, gradational processes, weather and climate, biospheres and energy, and then apply this knowledge to understanding some of the many of the problems associated with managing our environment including various types of pollution and their role in global warming and global dimming.

Recommended Prerequisite: Socials 10

*4 Credits Required Courses – Social Studies 11 or 12
Or 4 Credits Elective Courses*

POLITICAL STUDIES 12

The key question for Political Studies 12 is, “How can political power be used in ways that make society a better place to live?” The vision for this course is that students would gain an appreciation for various political ideologies, an understanding of how political institutions work, and confidence that they can knowledgeably use their own political power to make a positive difference in their communities.

Also, in a politically polarized world, it is the hope of the course designers that students would learn to be able to dialogue in meaningful and respectful ways with one another despite differences. We hope that students will gain respect for perspectives that are different from their own, and learn to turn down the temperature on political conversations. We hope that the forums will be opportunities to practice better online political dialogue.

We also hope that students will receive encouragement through this course that they can make a difference in their own city, region, or country, and that their voice is a meaningful one in the marketplace of ideas. We hope that the opportunities they have to “get involved” in this course will spur them to continue to remain involved throughout their lives, not just through voting, but through many types of peaceful civic activism.

Recommended Prerequisite: Socials 10

*4 Credits Required Courses – Social Studies 11 or 12
Or 4 Credits Elective Courses*

SOCIAL JUSTICE 12

Social Justice 12 is a current events course. While we use historical contexts to teach concepts, and show social changes over time, learners will focus on current events in projects and in a learning community online. The issues we explore are political as that is where policy happens; policy is what creates day-to-day systemic issues that are ever present and in the news. This course is about the community you live in now, and the one you can change with activism and your vote.

Recommended Prerequisite: Social Studies 10

*4 Credits Required Courses – Social Studies 11 or 12
Or 4 Credits Elective Courses*

SOCIAL STUDIES 10

Social Studies 10 involves an exploration of Canada and the World, from 1919 to the present, focusing on four Big Ideas.

1. Global and regional conflicts have been a powerful force in shaping our contemporary world and identities.
2. The development of political institutions is influenced by economic, social, ideological, and geographic factors.
3. Worldviews lead to different perspectives and ideas about developments in Canadian society.
4. Historical and contemporary injustices challenge the narrative and identity of Canada as an inclusive, multicultural society.

Recommended Prerequisite: Social Studies 9
4 Credits Required Courses- Social Studies 10



*If you are a current student, instructions on how to select your courses using MYED BC will be sent to you via email. Otherwise, please email your Academic Advisor with your course selections.

GENERAL ELECTIVES

INDEPENDENT DIRECTED STUDIES 10-12

Combine your passion with your talent to earn up to four elective course credits in Independent Directed Studies.

There are two scenarios for an IDS course.

Firstly, students are often already involved with clubs and lessons in their locale. This option allows learners to earn up to four credits for instruction and practice they are already doing, if that learning can be linked to a Ministry approved course. This type of IDS is a popular choice for many senior learners taking training in fine arts but is not limited to fine arts.

Secondly, learners may wish to enroll in several shorter courses or training sessions which are linked by a similar focus. For example, students might wish to create an outdoor focus, a media focus, or a social justice focus. Learners need to submit a list of courses and activities linked by a focus and then work with the IDS teacher to match the focus activities and lessons to Ministry Approved Prescribed Learning Outcomes. Learners will also need to supply evidence of participation and learning in each short course or activity.

Note: Independent Directed Studies 10, 11, 12 do not apply toward Adult Dogwood Graduation Credits

Prerequisite: None

4 Credits Elective Courses

PSYCHOLOGY 12

Psychology 12 can be taken on its own or as a continuation of Psychology 11. It surveys the topics on history of psychological thought, research in psychology, developmental psychology, psychological disorders, methods of therapy, and neuroscience and biological foundations from a Western World's point of view to various cultures, including an Aboriginal's view. This course is best suited for students with strong writing skills and the self-motivation necessary to work well independently.

Recommended Prerequisite: None

4 Credits Applied Skills or Elective Courses

* If you are a current student, instructions on how to select your courses using MYED BC will be sent to you via email. Otherwise, please email your Academic Advisor with your course selections.

EXTERNAL CREDENTIALS

The Ministry reviews and approves many courses or credentials for credit toward graduation that are developed *outside* the Ministry of Education. The performance standards match or exceed those of regular Grade 10, 11 or 12 courses. Here is the [current list](#) of organizations recognized for external credits.

Contact your Academic Advisor to discuss accomplishments that may apply toward graduation.

Example: A student is entitled to receive two credits for completing an ICBC-Approved Driver Education course.

Example: A student is entitled to receive 4 credits each for Athlete 10 and/or 11 and/or 12 for elite-level performance in various areas of sport.

ONLINE LEARNING AT EBUS ACADEMY OFFERS:

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Before anything else, preparation is the key to success.

~Alexander Graham Bell