



ALEXANDER

ACADEMY

Course Catalogue

British Columbia Dogwood Graduation Program

Graduation Requirement for BC Dogwood Certificate

REQUIRED COURSES		
SUBJECT AREA	Minimum Credits	√
Career life Education	4	
Career Life Connections	4	
A Language Arts 10	4	
A Language Arts 11	4	
A Language Arts 12	4	
A Mathematics 10	4	
A Mathematics 11 or 12	4	
An Arts Education and/or Applied Design, Skills, and Technologies 10, 11 or 12	4	
A Social Studies 10	4	
A Social Studies 11 or 12	4	
Science 10	4	
A Science 11 or 12	4	
Physical and Health Education 10	4	
TOTAL	52 credits	
ELECTIVE CREDITS		
Students must earn at least 28 elective credits from Grade 10 – 12 courses (at least 16 credits must be at the Grade 12 level)		
Elective _____	Elective _____	28 credits
Elective _____	Elective _____	
Elective _____	Elective _____	
Elective _____	Elective _____	
OVERALL TOTAL	80 credits	
PROVINCIAL GRADUATION ASSESSMENTS		
Grade 10 Numeracy Assessment		
Grade 10 Literacy Assessment		
Grade 12 Literacy Assessment		

Important graduation requirement update: starting in the 2023 school year, the Ministry of Education and Child Care is implementing an Indigenous-focused graduation requirement for students working toward a B.C. Certificate of Graduation (Dogwood Diploma) in English. More information about the new requirement is available [here](#).

The new graduation requirement, which comes into effect in the 2023/24 school year, requires that students complete 4 credits of Indigenous- focused coursework to graduate. At Alexander Academy, students can earn these credits by successfully completing **English First Peoples 12** or **Contemporary Indigenous Studies 12**.

English Language Arts

Composition 10

Composition 10 is designed to support students in their development of written communication through a critical process of questioning, exploring, and sampling. Within a supportive community of writers, students will work individually and collaboratively to explore and create coherent, purposeful compositions. Students will read and study compositions by other writers and consider a variety of styles as models for the development of their writing. The course builds students' writing competencies by introducing them to varied structures, forms, and styles of compositions. Students have opportunities to individually and collaboratively study, create, and write original pieces, exploring audience and purpose. They also develop their craft through processes of drafting, reflecting, and revising.

Literary Studies 10

Literary Studies 10 is designed for students who are interested in the literature of a particular era, geographical area, or theme, or in the study of literature in general. The course allows students to delve more deeply into literature as they explore specific themes, periods, authors, or areas of the world through literary works in a variety of media. Giving students the choice of a range of literary topics allows them to follow their passion and at the same time: - 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 - develop higher-level thinking and learning skills.

Composition 11

Composition 11 is designed to support students as they refine, clarify, and adjust their written communication through practice and revision. Students will read and study compositions by other writers and be exposed to a variety of styles as models for the development of their writing. The course provides opportunities for students to, with increasing independence, study, create, and write original and authentic pieces for a range of purposes and real-world audiences. They will expand their competencies through processes of drafting, reflecting, and revising to build a body of work that demonstrates expanding breadth, depth, and evidence of writing for a range of situations. They will develop confidence in their abilities as they consolidate their writing craft.

English Studies 12

English Studies 12 is a comprehensive Language Arts course designed for all students that includes essential disciplinary learning at the Graduation level. It represents the culmination of all that has been learned throughout English Language Arts K-11. The course builds on and extends students' previous learning experiences in ELA and EFP 10 and 11 courses and provides students with opportunities to: - refine their ability to communicate effectively in a variety of contexts and to 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.

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 focusses 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). In EFP 12, all students - examine texts grounded in a diversity of First Peoples' cultures, including local First Nations or Metis communities, - extend their capacity to communicate effectively in a variety of contexts, - think critically and creatively about the uses of language, - deepen their understanding of themselves and others in a changing world, - gain insight into the diverse factors that have shaped and continue to shape their own identities, - appreciate the importance of self-representation through authentic First Peoples' text, - contribute to Reconciliation by building greater understanding of the knowledge and perspectives of First Peoples, - expand their understandings of what it means to be educated Canadian and global citizens.

English Language Learning (ELL)

ELL – FOUNDATIONS

In ELL Foundations, students will work on improving their listening/speaking, reading/writing, communication, and technology skills. Students will be introduced to a variety of programs like the Microsoft Office Suite, Duo Lingo, and the Apple Audio Visual suite to help them create compelling presentations where they will have an opportunity to demonstrate the skills they have learned. ELL Foundations aim to be practical and to prepare students for what they will face in the regular BC curriculum stream here at Alexander Academy.

ELL – BRIDGING

ELL Bridging and BAA is designed to English Language Learners to gain proficiency in reading, writing, listening to, and speaking in English. The course will focus on explicit language learning and authentic tasks in which students will practice and gain skills in English. This course will also introduce a novel study and will ask students to read, watch, listen and listen to texts English and then respond to those texts at an appropriate level.

Board/Authority Approved Transitional English

This course is designed to lead students from their intermediate English skills of reading, writing, listening and speaking to a level where they can function satisfactorily in regular academic courses.

Mathematics

Foundations of Mathematics & Pre-Calculus 10

Foundations of Mathematics and Pre-Calculus 10 is designed to provide students with mathematical understandings and competencies identified for entry into post-secondary programs that may or may not require the study of theoretical calculus. Curricular Content includes powers, prime factorization, functions, linear relations and systems, trigonometry, polynomials and financial literacy. Curricular Competencies (reasoning, problem solving, communicating, connecting and reflecting) are experienced through the content of this course.

Pre-Calculus 11

This course is designed to provide students with developing mathematical understandings and competencies identified for entry into post-secondary programs that require the study of theoretical calculus. Curricular content includes radicals, polynomials, quadratic functions, and trigonometry. Curricular Competencies (reasoning, problem solving, communicating, connecting and reflecting) are experienced through the content of this course.

Foundations of Mathematics 11

This course is designed to provide students with developing mathematical understandings and competencies identified for post-secondary studies in programs that do not require the study of theoretical calculus. Topics include logical reasoning, geometry, measurement, relations and functions, and statistics. Curricular Competencies (reasoning, problem solving, communicating, connecting, and reflecting) are experienced through the content of this course.

Pre-Calculus 12

This course is designed to provide students with developing mathematical understandings and competencies identified for entry into post-secondary programs that require the study of theoretical calculus. Curricular Content expands functions and equations to include polynomial, exponential, logarithmic, and trigonometric. Curricular Competencies (reasoning, problem solving, communicating, connecting, and reflecting) are experienced through the content of this course.

Calculus 12

This course is designed to provide students with developing mathematical understandings and competencies as a preview to post-secondary Calculus. Curricular content includes limits, derivatives and integration. Curricular Competencies (reasoning, problem solving, communication, connecting and reflecting) are experienced through the content of this course.

Foreign Languages

Introductory French 11 (no prerequisites needed)

Introductory Grade 11 French is designed especially for students who have not previously studied that particular language in Grades 5 to 10. It is an intensive learning experience designed to provide students with an introduction to the language and culture being studied, and to provide a solid foundation for further study. Introductory Grade 11 incorporates material from the prescribed learning outcomes, suggested instructional strategies, suggested assessment strategies, and recommended learning resources identified for Grades 5 to 10. This reflects the fact

that Introductory Grade 11 is designed to provide students with an equivalent preparation for Grade 11 and Grade 12 courses. A major consideration, therefore, is to relate the emerging language skills of students who are new to the study of the language to their actual ages, real-life experiences, and prior knowledge.

Core French 10

Core French 10 focuses on developing communication competencies in the French language, exploring Francophone communities and cultures within Canada and around the world, exploring identity, and engaging in the range of opportunities and experiences that developing proficiency in French provides.

French 11

Core French 11 focuses on developing communication competencies in the French language, exploring Francophone communities and cultures within Canada and around the world, exploring identity, and engaging in the range of opportunities and experiences that developing proficiency in French provides.

French 12

Core French 12 focuses on developing communication competencies in the French language, exploring Francophone communities and cultures within Canada and around the world, exploring identity, and engaging in the range of opportunities and experiences that developing proficiency in French provides.

Physical and Health Education

Physical Health Education 10

Physical and Health Education 10 combines physical activity and health education to help students develop both physical and mental health. Key topics include engaging in a variety of physical activities, building healthy relationships, and preventing themselves or others from experiencing bullying or harassment.

Fitness and Conditioning 11

This course is designed for students who are more serious about improving their physical fitness through things like strength training or more intensive cardio. Fitness and Conditioning teaches students about the basics of anatomy, proper nutrition for training, and how to work out different parts of the body to train for different activities. This course is somewhat more specialized than Active Living 11 and 12 and would likely require access to specific equipment and facilities.

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Career Education

Career Life Education

Career-Life Education supports students in becoming successful, educated citizens by helping them learn how to effectively manage their life journey toward preferred future possibilities. It focuses on gaining a clear understanding of career-life development knowledge, skills, and strategies for life's journey into adulthood, and includes the exploration of career-life possibilities for adult life, such as roles, opportunities, and community resources, examination of ways to publicly represent ourselves both face-to-face and in digital environments, the practicing of inclusive and respectful interactions for various community and work-related contexts, connecting and engaging with supportive community members, and researching post-graduation options and planning resources, such as labour market trends, budgeting tools, and workplace safety guidelines.

Career Life Connections

Career Life Connections requires students to identify and develop personal interests, passions and goals. Students reflect on learning experiences and competency development in school and community, build confidence in their contributions, and explore roles and possibilities in personal, education, and work life contexts. They develop and apply the personal management skills needed to pursue who and how they want to be in the world. This offering also facilitates community networking and experiential learning both inside and outside of school.

Sciences

Science 10

Science 10 is a broad-based course in which students investigate genetics and inheritance, chemical reactions, transformation of energy into different forms as well as the global and local impacts of energy use, and the formation of the universe.

Life Science11

Life Sciences 11 is an introduction to the study of living things. Students will explore the process of evolution, taxonomy and how organisms function in their environment.

Chemistry 11

Chemistry 11 investigates matter and its interactions. This laboratory-based course focuses on atoms and molecules, organic chemistry, chemical reactions and solutions, using measurement and quantitative problem-solving.

Physics 11

Physics 11 is a hands-on science course that investigates physical phenomena, including motion, contact forces and mechanical waves. Conservation of energy is explored through mechanics, thermodynamics and electric circuits.

Environmental Science 11

Environmental Science 11 is an exploration of the interrelationships that exist in various local ecosystems. Students will learn about the diversity, processes and change, and sustainability within local ecosystems as well as conservation and restoration of ecosystems.

Anatomy and Physiology 12

Anatomy and Physiology 12 focuses on the relationships between form and function of body systems. Students will explore the macro and micro aspects of these interactions, and how body processes integrate to maintain homeostasis.

Chemistry 12

Chemistry 12 is a laboratory-based course that explores aspects of physical chemistry through the investigation of reaction kinetics and the dynamic equilibrium involved in solution chemistry, acid-base systems and oxidation-reduction reactions.

Physics 12

Physics 12 is a science course that moves from concrete to conceptual understandings of physical phenomena. Students will explore the classical mechanics of relative motion, forces, fields and momentum. Students will also investigate modern physics including special relativity, fundamental forces and wave-particle duality.

Environmental Science 12

Environmental Science 12 is an introduction to global issues impacting Earth. Students will explore global water systems, global warming and climate change, land use and sustainability, and environmental changes at both the local and global scale.

Social Studies

Social Studies 10

Social Studies 10 examines topics in modern Canadian and world history, including Canada's transformation from British dominion to independent nation, development of human rights in Canada and around the world, and major international conflicts.

Explorations of Social Studies 11

Explorations in Social Studies 11 is a flexible course that allows teachers to combine at least 3 of the different content learning standards and big ideas in a variety of ways. This allows teachers to create a wide variety of different courses to meet different student needs and interests.

Law Studies 12

Major topics include the Canadian constitution and system of government, aspects of criminal and civil law, and the correctional system in Canada.

Economic Theory 12

Economic Theory 12 is a course that examines the development of economic thinking from past to the present, such as the contributions of major thinkers like Adam Smith, Karl Marx, and JM Keynes.

Human Geography 12

Human Geography 12 examines relationships between humans and the environment. Key topics include the use of natural resources, the impact of the physical environment on cultural development, and demographic patterns of human societies.

Physical Geography 12

Key topics include different climate systems and biomes, natural disasters and plate tectonics, and the equilibrium between various natural systems.

20th Century World History 12

The major focus of the course is political history in the 20th century, such as the World Wars and Cold War.

Contemporary Indigenous Studies 12

This course looks at indigenous cultures around the world, as well as the challenges and opportunities they have experienced in both the past and present.

Arts Education

Art Studio 10

Students move beyond basic techniques and media, and explore a broad spectrum of new materials, technologies, and processes in various ways. Students continue to develop skills in both 2D and 3D media, and learn about image development through sharing traditions, perspectives, worldviews, and stories.

Art Studio 11

Students focus on refining techniques and media while continuing to explore a broad spectrum of new materials, technologies, and processes in various ways. Students continue to develop skills in both 2D and 3D media, selecting and combining them in more sophisticated ways. They will learn about reflecting the interconnectedness of the individual, community, history and society through art making. Students will also begin exploring art related careers.

Art Studio 12

Students focus on refining techniques and media while continuing to explore a broad spectrum of new materials, technologies, and processes in various ways. Students will increase their independence as they examine the interrelationships between 2D and 3D media through the creation a personal body of work. They will explore how art making reveals insights into the human experience and has the power to effect change. Students will also begin exploring opportunities and career pathways of professional artists.

Drama 10

Drama 10 focuses on forms and conventions for drama and theatre, as well as dramatic arts from various cultures. Students engage individually and collaboratively with forms and conventions of both drama and theatre. Students explore dramatic arts from various cultures and analyze how the knowledge and skills developed in drama are related to understanding their personal and cultural connections.

Drama 11

Students develop dramatic skills individually and collaboratively using forms and conventions of both drama and theatre to gain a deeper understanding of themselves, and the world.

Drama 12

Students refine dramatic skills individually and collaboratively using forms and conventions of both drama and theatre. Students explore dramatic arts from various cultures and analyze how the knowledge and skills developed in drama are related to understanding their personal skills, social awareness, and goals beyond secondary school.

Film & Television 11

Students study and apply pre-production, production and post production processes, strategies, techniques and technologies.

Film & Television 12

Students study and refine pre-production, production and postproduction processes, strategies, techniques and technologies. Students also explore career possibilities in the film and television industry, and emerging media.

Applied Design, Skills, and Technologies (ADST)

Entrepreneurship and Marketing 10

Entrepreneurship and Marketing 10 is an ADST course that combines entrepreneurship opportunity with marketing practice, including business and product development from invention and innovation to the marketplace.

Marketing and Promotion 11

This course focuses on product and service promotion, including test marketing, forms of advertising, and event planning. Learning includes ethical practices and emerging trends, such as social marketing.

Entrepreneurship 12

This course prepares individuals to perform marketing and management functions and tasks associated with owning and operating a business.

Media Design 10

Media Design 10 is an ADST course that focuses on design using technology-based media, including techniques for creating stories and points of view in images and influences of digital media in communications and self-expression.

Media Design 11

This course focuses on storytelling and showcasing personal viewpoints through the use of technology-based media. Learning includes exploration of multiple cultural perspectives, image- development, and design strategies.

Media Design 12

This course focuses on more complex technology-based media to represent multiple voices and cultural beliefs, histories, and traditions. Learning includes ways to engage the audience in construction of content and how to use media for social advocacy.

Computer Programming 11

This course is an introduction to complex computer programming with a focus on the study and modification of existing code and formalization of computational thinking concepts.

Computer Programming 12

This course focuses on the development and documentation of advanced programming structures using the processes and workflows of programming professionals.

Robotics 11

This course introduces simple robotics design and production, and related technical and programming elements. Learning includes interactions of subsystems, logic, mechanics, and components.

Robotics 12

This course focuses on advanced design, documentation, power and electronics, and applications of robotics technologies. Learning includes wiring, sensors, power management, and programming language. Students also explore emerging career opportunities in this field and interpersonal and consultation skills related to client interactions.

Post-Secondary Courses through Alexander College

Alexander Academy students can earn credits towards graduation by earning credits for courses at Alexander College. Alexander College courses count towards the required number of Grade 12 level credits needed to satisfy graduation requirements. For more information about post-secondary courses, click [here](#).

For a list of course offerings from Alexander College, click [here](#).

UNIVERSITY COURSES FOR HIGH SCHOOL STUDENTS



EXAMPLES OF COURSES

Introduction to Economics
Introduction to Business
Calculus I
ECON 100
COMM 100
MATH 151



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Take a university-level course at Alexander College while you complete the high school Dogwood diploma.

1

Earn university credits while in high school!

2

Prepare for university-style teaching/learning

3

Expand your network – receive support and inspiration from classmates and instructors

4

Gain a deeper understanding of the subject. Take courses that high school does not offer.

5

Potential for a Letter of Recommendation from a college instructor

For inquiries, contact
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