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ENROLLMENT GUIDELINES

All courses are subject to limited enrollment and may be cancelled if numbers do not warrant a place in the timetable. Staffing allocations determine availability of sections/courses. Administration reserves the right to review section/course numbers each semester.

Student schedules are subject to change from semester to semester.

INTRODUCTION AND GENERAL COMMENTS

The purpose of this guide is to provide pertinent information for students as they select grade 11 and 12 courses. The Graduation Requirement template on page 5 should be used as a reference.

Choosing Courses:
Each spring, students select courses for the following academic year. There is a wide variety of courses from which to choose in grades 11 and 12, and a number of factors that should be considered when making these choices. It is important that students take time to carefully consider their options since it can be difficult to make changes once scheduling for the year is complete. Additional information may be obtained through the FHS School Counselling Department.

Course Descriptions:
All courses have a name and number. The first two digits indicate grade, and the third digit indicates the level.

Open or "0" courses are offered at one level only.	ex: Human Physiology 110, Law 120
Level 2 courses are academic/university/college preparatory.	ex: Modern History 112, Biology 122
Level 3 courses are general/college preparatory.	ex: Modern History 113, English 123
Level 1 courses are enriched university preparatory.	ex: Chemistry 111, Physics 121

Advanced Placement (AP) courses give students the chance to experience university level work in high school. These courses provide preparation for writing the optional AP Exams in May.

Recommendations:
Please read the course descriptions and requirements carefully prior to course selection as many courses have recommendations. Some courses must be taken in sequence to fulfill the prerequisite. For example, Foundations of Mathematics 110 must be completed before Foundations of Mathematics 120.

Course Fees:
Please note that some courses require additional supplies and/or payment of lab, studio, or other fees.

Timetables:
Timetables are computer-generated and therefore courses fall by chance into either semester. Some listed courses may be cancelled due to insufficient enrollment. For senior students, certain courses required for university and college will not be completed in the first semester. However, applications to post-secondary institutions are usually assessed on past, present, and predicted performance at the time of application.

Transcripts:
All grade 10, 11, and 12 courses and final marks are permanently recorded on a student's transcript. The school transcript provides an ongoing record of high school courses taken and marks obtained at any Anglophone NB public school. It is the official document required by post-secondary institutions to verify a student's academic record. Transcripts are updated at mid-term and semester end.

Transfer Students:
Students transferring to FHS from other school systems will have their transcript assessed and graduation requirements adjusted accordingly. Every effort will be made to give credit for acceptable work completed.

FRENCH IMMERSION CERTIFICATE PROGRAM

Students in French Immersion who wish to maintain and improve their proficiency level are encouraged to take a minimum of three French Immersion courses in grade 11 in order to complete the requirement by graduation.

CERTIFICATE OF IMMERSION

This certificate is issued by the Anglophone School District West and is offered to all students who have all 5 FI courses in Grade 9 and a total combination of 10 FI courses over Grades 10, 11, and 12.

CERTIFICATE OF PROFICIENCY

The certificate of Oral Proficiency is issued to **grade 12 students** either in the **Immersion or PIF program** and indicates a student's level of proficiency. Students must be enrolled in an FI or PIF course (of any subject matter). This certificate is awarded by the Department of Education after an assessment by professional evaluators. The certificate is presented upon completion at the end of the semester. There is no cost for this assessment.

FOCUS ON INFORMATION TECHNOLOGY (FIT) CERTIFICATE PROGRAM

The Focus on Information Technology (FIT) Program is a national high school program for students interested in pursuing a career in an IT-related field. It provides high school students with technology and business skills, essential workplace skills, and work-related experience. The Information and Communication Technology Council of Canada will provide documentation and certificates to those who qualify.

FIT BASIC CERTIFICATE

Students who successfully complete the courses in one of the pathways listed below will receive a FIT Certificate upon graduation.

Business & Information Analysis
-Information Technology 120
-Business Management 120
-Entrepreneurship 110

Network & System Operations
-Information Technology 120
-Business Management 120
-Cybersecurity 110

Software Design & Development
-Information Technology 120
-Business Management 120
-Computer Science 110

Interactive Media
-Information Technology 120
-Business Management 120
-Digital Production 120

FIT with EXPERIENCE CERTIFICATE

Students will successfully complete the courses in one of the pathways listed above and will complete Career Pathway Mentorship 120 in a related field **OR** 200 hours of documented paid employment or volunteer work outside of school hours. To qualify, the experience must be in an approved, appropriate IT-related workplace.

GRADUATION REQUIREMENTS

Language Arts and Languages *(Minimum 6 courses – 24 credit hours)*

- ☐ ELA Foundational 10 *(Compulsory*)
- ☐ PIF 10/FILA 10 (Compulsory)

***** Plus one elective from Language Electives list*** (Please check off below)

For Grade 11:

- ☐ Select ELA Foundational 111/112/113 *(Compulsory)*

***** Plus one elective from Language Electives list*** (Please check off below)

For Grade 12:

- ☐ English 121, 122, 123 *(Compulsory)*

Language Electives: *(Minimum of 2 language electives)*

☐ Children's Literature 120 ☐ ELA Extended 10 ☐ ELA Extended 111/112/113 ☐ Graphic Novels 120 ☐ Journalism 120 ☐ Media Studies 120 * ☐ Writing 110 *AP Language Arts/Languages courses*	☐ FILA 110 ☐ FILA 120 ☐ PIF 110 ☐ PIF 120 ☐ FI Tech de Comm 110 ☐ FI Tech de Comm 120 ☐ FI Media Studies 120 *	☐ Intro to Wolastoqey 110 ☐ Spanish 110 ☐ Spanish 120	EAL Language Courses (May replace any language requirement except Eng 12) ☐ Essentials A1.1 110 ☐ Essentials A1.2.2 110 ☐ Connections A2.1 120 ☐ Connections A2.2 120 ☐ Expressions B1.1 120 ☐ Expressions B1.2 120 ☐ Writing (EELAG1101)

Mathematics *(Minimum of 3 math courses--12 credit hours from this cluster.)*

☐ Geo Measure and Fin 10 **OR** ☐ FI Geo Meas & Fin 10 *(Compulsory)*

Academic Electives

- ☐ NRF10
- ☐ Foundations 110
- ☐ Foundations 120
- ☐ Pre-Cal 110
- ☐ FI NRF 10
- ☐ FI Foundations 110
- ☐ FI Pre-Cal 110
- ☐ Pre-Cal 120A
- ☐ Pre-Cal 120B
- ☐ Calculus 120
- ☐ AP Calculus AB

Applied Electives

- ☐ Financial Workplace 110
- ☐ Financial Workplace 120
- ☐ NBCC Math 120
- ☐ FI Financial Workplace 110

Humanities (C*ompulsory 2 courses--8 credit hours)*

☐ Civics **OR** ☐ FI Civics *(Compulsory plus 1 additional elective from the following:)*

- ☐ Ancient & Medieval Hist 112/113
- ☐ Canadian History 122/123
- ☐ Modern History 111/112/113
- ☐ Wabanaki Studies 120
- ☐ World Issues 120
- ☐ FI Ancient & Medieval Hist 112
- ☐ FI Modern History 112
- ☐ FI World Issues 120

Approved AP:

- ☐ AP World History 120

Science *(Compulsory 2 courses--8 credit hours)*

- ☐ Biology 112
- ☐ Biology 111
- ☐ Biology 122
- ☐ Biology 121
- ☐ Chemistry 112
- ☐ Chemistry 111
- ☐ Chemistry 122
- ☐ Chemistry 121
- ☐ Physics 112
- ☐ Physics 111
- ☐ Physics 122
- ☐ Physics 121
- ☐ Agriculture 110
- ☐ Auto Elec Sys 120 *
- ☐ Enviro Geoscience 110
- ☐ Environmental Sci 120
- ☐ Forestry 110
- ☐ Human Physiology 110
- ☐ Intro Electronics 110
- ☐ Science Sus Soc 10
- ☐ FI Biology 112
- ☐ FI Biology 122
- ☐ FI Chemistry 112
- ☐ FI Sci Sus Soc 10

Approved AP

- ☐ AP Biology 120
- ☐ AP Enviro Sci 120

Personalized Well Being ***(Compulsory 5 courses--20 credit hours) total from the next three clusters.*** **Each of the clusters will need to have at least one course chosen from them**. *Courses marked with * may fit in more than one course cluster. It can only be used as a grad requirement for one cluster.*

Creative Arts *1 Course (Compulsory):*

- ☐ Creative Arts 110
- ☐ Creative Arts 120
- ☐ Digital Production 120*
- ☐ Dramatic Arts 110
- ☐ Dramatic Arts 120
- ☐ Fashion Technology & Design 110*
- ☐ Fashion Technology & Design 120*
- ☐ Film 110
- ☐ Film 120
- ☐ Graphic Art & Design 110
- ☐ Graphic Art & Design 120
- ☐ Media Studies 120*
- ☐ Music 10
- ☐ Music 111
- ☐ Music 112
- ☐ Music 122
- ☐ Popular Music 120
- ☐ Visual Arts 10
- ☐ Visual Arts 110
- ☐ Visual Arts 120
- ☐ **Approved Local Option course**
  Recording & Sound Design 120

Wellness and Physical Education *1 Course (Compulsory):*

- ☐ Advanced Training Principles 120
- ☐ Dance 110
- ☐ Early Childhood Development 120
- ☐ Health Care 110
- ☐ Human Services 110
- ☐ Individual and Family Wellness 120
- ☐ Intro to Kinesiology 120
- ☐ Nutrition 120
- ☐ Outdoor Education 110
- ☐ Outdoor Education 120
- ☐ Physical Education 10
- ☐ Physical Education through Sport 110
- ☐ Psychology 110
- ☐ Psychology 120
- ☐ Sport and Recreational Leadership 120
- ☐ Wellness Physical Education 110
- ☐ Yoga 110

Approved AP
- ☐ AP Psychology 120

Career Connected *1 Course (Compulsory)*

Info and Communication Tech

- ☐ Computer Aided Design 110
- ☐ Computer Assisted Manufacturing 110
- ☐ Computer Science 110
- ☐ Computer Science 120
- ☐ Cybersecurity 110
- ☐ Cybersecurity 120
- ☐ Digital Production 120 *
- ☐ Information Technology 120
- ☐ Robotics 120

Career and Occupational

- ☐ Business Management 120
- ☐ Crr Path Men 120 (4 ch)
- ☐ Crr Path Men 120 (8 ch)
- ☐ Crr Path Men 120 (12 ch)
- ☐ Develop & Lead 110
- ☐ Early Childhood Services 110
- ☐ Entrepreneurship 110
- ☐ Fashion Tech and Design 110 *
- ☐ Fashion Tech and Design 120 *
- ☐ Financial Accounting 120
- ☐ Hospitality and Tourism 110
- ☐ Housing and Design 120
- ☐ Marketing 120
- ☐ Skills for Success 120

Skilled Trades

- ☐ Auto Electrical Systems 120 *
- ☐ Culinary Tech 110
- ☐ Culinary Tech 120
- ☐ Electrical Wiring 110
- ☐ Electrical Wiring 120
- ☐ Framing and Sheathing 110
- ☐ Int. Combustion Engines 110
- ☐ Intro to Skilled Trades 110
- ☐ Metals Processing 110
- ☐ Mill and Cabinet Work 120
- ☐ Powertrain and Chassis 110
- ☐ Residential Finish 120
- ☐ Tune-up and Emissions 120
- ☐ Welding/Metal Fab 110
- ☐ Welding/Metal Fab 120

Electives *(Not indicated elsewhere)*

- ☐ Advanced Keyboarding 110
- ☐ AP Statistics 120
- ☐ AP World History 120
- ☐ Economics 120
- ☐ Gender, Media, & Culture 120
- ☐ Intro to Teaching Education 120
- ☐ Law 120
- ☐ Maintenance Auto 110
- ☐ Personal Interest 1
- ☐ Personal Interest 2
- ☐ Philosophy 120
- ☐ Political Science 120
- ☐ Recording & Sound Design 120
- ☐ Sociology 120
- ☐ Sports Medicine 110
- ☐ World Religions 120

Total Credit Hours Obtained …… /120 (must have 100)

Humanities

ANCIENT/MEDIEVAL HISTORY 111/112
FI ANCIENT/MEDIEVAL HISTORY 112
Ancient and medieval histories have an influence on popular culture, public discourse, and academic curricula. The roots of the present lie deep in the past, and an understanding of these societies will give students the ability to think critically about that influence and fosters the development of historical thinking. Thinking about how we are different from past societies—and how we continue to ponder many of the same questions—helps us to understand the human condition more broadly. Ancient and Medieval History addresses big ideas in civics, includes Indigenous perspectives and ways of knowing, and provides connections to the modern world. Ancient and Medieval History fosters thoughtful and engaged citizenship through the lens of topics students continue to find exciting, such as the Peloponnesian War between Athens and Sparta, Rome's gladiatorial spectacle, and Henry VIII's quarrel with the Roman Catholic Church. These interpretive skills are readily transferrable to a variety of activities and careers.

ANCIENT/MEDIEVAL HISTORY 113
This course introduces students to life in ancient and medieval times through simple, hands-on learning. Students will explore how people lived, worked, and solved problems in the past, and how some of their ideas still affect our world today. We will look at interesting topics—like Greek city-states, Athens and Sparta, Roman gladiators, and medieval life —to help students make clear connections between the past and the present. The course includes some Indigenous perspectives and focuses on practical activities that build understanding. The goal is to help students learn about history in a straightforward, engaging way and develop skills they can use in everyday life.

AP WORLD HISTORY 120
In AP World History you will learn about the Global Tapestry, Networks of Exchange, Land-Based Empires, Transoceanic Interconnections, Revolutions, Consequences of Industrialization, Global Conflicts, Cold War and Decolonization, and Globalization. The course time frame is 1200 CE to present. This course is designed for students who are serious about studying at university. The classroom and course content is designed to give students the opportunity to develop university-specific, academic skills. If the AP examination is taken and passed, students can earn a university credit.

CANADIAN HISTORY 122
This is a Canadian History course for grade 11/12 students interested in history and wanting to learn more about the five key relationships that make up Canadian History and how they have evolved over time. Emphasis will be on relationships between English and French, Aboriginal peoples, Immigrants and individuals and the State and our relationships with the United States and the United Kingdom.

CANADIAN HISTORY 123
This course helps students learn about the main relationships that have shaped Canada over time. Students will explore how English and French peoples, Indigenous peoples, immigrants, and the government have interacted and changed their connections throughout history. The course also looks at Canada's relationships with the United States and the United Kingdom. Learning will focus on clear explanations, real examples, and hands-on activities to help students understand how these relationships affect life in Canada today.

ECONOMICS 120 *
This course is introductory economics aimed at familiarizing students with economic principles and providing them with an appreciation of the major economic issues in our society such as unemployment, inflation, GDP, provincial and federal budgets, as well as with programs, strategies and regulations created to deal with these issues. Units include introductory concepts, supply and demand, the stock market, economic indicators, money and the Canadian banking system and stabilization policy.

LAW 120 *
This course will provide students with a basic knowledge of the Canadian legal system and its operations as well as an awareness of the impact of the law on their lives. It will introduce the concepts and principles of civil and criminal law. Major topics include foundations of the legal system, criminal law, human rights, torts, and family law. Students will experience practical exposure to the law through guest speakers, a courtroom visit, and daily current event discussions.

MODERN HISTORY 111
This is an enriched course for students wishing an in depth approach to history. Beginning with the reasons for the French Revolution and ending with the impact of the Cold War, students will use historical thinking, research and analysis to examine events and their consequences. Extensive use is made of the seminar method and Socratic circles. For the university bound student, for the student who reads avidly and for the student who likes to express himself/herself both orally and in writing, this course should interest you.

Humanities Continued

MODERN HISTORY 112
FI MODERN HISTORY 112
This course is designed for students who plan to attend post-secondary institutions. Students will learn about the most significant events and forces in the western world over the last 400 years which will include rights and revolution, nationalism and war. Students will become increasingly proficient in historical thinking, research and analysis, and will demonstrate a competence in written and oral expression.

MODERN HISTORY 113
This course will enable the student to examine and become aware of the causes and impact of certain historical events and forces that have shaped the modern world. Topics include the French and Industrial Revolutions, war and nationalism, totalitarianism and total war, crimes against humanity, and war by proxy. Students will practice historical thinking skills and be able to make connections between historical events and the present.

POLITICAL SCIENCE 120 *
This course examines political thought, systems, and engagement. Students investigate political philosophies, ideologies, and different forms of government through research, discussions, and simulations. Students will explore the structure and operations of governance in Canada as well as other democracies and non-democracies. Finally, students will examine the rights, responsibilities, and roles of individuals and groups in Canada including media, political groups, and Indigenous Peoples. Regular attendance is vital as there is a heavy focus on oral communication and group work, including a term seminar project.

SOCIOLOGY 120 *
This course is designed to be a broad introduction to the field of sociology. Students will explore the links between society and individual experiences, and develop the ability to critically examine, and better understand their own beliefs about the social world. Through various teaching and learning methods, students will learn about such topics as culture, socialization, social control, and social movements. They will investigate major dimensions of inequality, including race, class, gender, ability, and sexuality. Throughout the course, students will consider issues of social justice, what “justice” means, and how the tools of sociological inquiry can be applied to promote a more just world.

WABANAKI STUDIES 120
Indigenous Studies 120 invites students to engage in a deep, historically grounded examination of Indigenous peoples in what is now North America, with a connection to the Wabanaki nations and recognition of the diversity among indigenous nations. The course begins with pre-contact life – exploring traditional cultures, social structures, worldview, and relationships to land – then traces the profound impacts of European colonization, the legacy of displacement and genocide, and the enduring consequences of historical injustices. Students will examine key legal, political, and social development – including treaties, legislations, assimilation policies, and modern issues such as land rights, cultural revitalization, and self-determination. The curriculum emphasizes Indigenous perspectives and way of knowing while encouraging students to analyze historical evidence, interpret primary and secondary sources, and understand continuity and change over time. By grounding contemporary issues in their historical contexts, Indigenous Studies 120 aims to foster critical thinking, respect for Indigenous cultures and histories, and an informed awareness of the challenges and contributions that shape Indigenous-Non-Indigenous relations in Canada today.

WORLD ISSUES 120
FI WORLD ISSUES 120
This course is a study of global issues and relies heavily on student engagement, including seminars and challenging topical discussions. The course provides opportunity for student choice within the curriculum themes of humanity, interdependence, and geopolitics.

****These courses are additional Humanities electives and do not meet the Humanities graduation requirement.***

Languages Arts and Languages

Note: EAL class placements are determined by a combination of WIDA scores and teacher recommendation and cannot be selected by students.

EAL (English as an Additional Language)
The WIDA MODEL test is used to identify students who would benefit from EAL classes. This test measures speaking, listening, reading, and writing in the areas of Social and Instructional Language, English Language Arts, Mathematics, Science, and Social Studies. After the WIDA test, a recommendation is made for one or more of the following courses:

EAL 110 ESSENTIALS A1.1
EAL 110 ESSENTIALS A1.2

EAL 120 CONNECTIONS A2.1 AND
EAL 120 CONNECTONS A2.2 (A2 LEVEL)

EAL 120 EXPRESSIONS B1.1 AND
EAL 120 EXPRESSIONS B1.2 (B1 LEVEL)

Note: ***Students may be required to repeat an EAL Pathway depending on their language development, but the course content will change to meet the needs of the learner.***

ENGLISH LANGUAGE ARTS OVERVIEW
High School English Language Arts includes required courses and optional levels. Learners engage with increasingly complex texts both collaboratively and independently. Emphasizing Canadian and diverse content, students must complete one level to advance. Course complexity increases with each grade.

Grades 11 and 12 Levels
Students choose from Level 1, 2, or 3 courses:

- **Level 2**: The standard curriculum for grades 11 and 12, adjusted for breadth, depth, and inquiry based on the level. Students develop critical thinking and essential skills.
- **Level 3**: Focusing on clear communication through written and spoken word, students explore fiction, nonfiction, and diverse texts with guided assignments to enhance literacy skills. This course may be the perfect fit for students who are not planning to go to university.
- **Level 1**: Enriched courses for high-achieving, independent students with strong attendance. These courses emphasize deeper understanding, self-efficacy, and higher-order thinking.

Your course selections in high school will look as follows:

Required courses (you must select)
ENGLISH LANGUAGE ARTS 10 FOUNDATIONAL
ENGLISH LANGUAGE ARTS 10 EXTENDED
ENGLISH LANGUAGE ARTS 111/112/113 FOUNDATIONAL
ENGLISH LANGUAGE ARTS 121/122/123

Optional selections – see page 4

ENGLISH LANGUAGE ARTS 111/112/113 FOUNDATIONAL
This is a one semester **required course**, that builds upon the skills developed in English 10 Foundational. It will provide focus on building essential learnings in all areas of the English Language Arts, based on the skill descriptors and achievement indicators listed in the grade 11 holistic curriculum framework. After this course, learners will choose another language and literacy course.

ENGLISH LANGUAGE ARTS 111/112/113 EXTENDED
This course is an elective, one semester course. This course will provide strengths-based, relevant learning opportunities where learners (under the guidance of their teachers) set goals, connect their knowledge to the world around them, and position themselves to achieve their literacy learning objectives.

ENGLISH LANGUAGE ARTS 121
This enriched course is designed for students who excelled in English 111/112. It provides opportunity for the student to appreciate, experience, and interpret literature through group discussion and an application of literary theory and criticism. Class members will contribute to guided discussions to develop an independent and critical understanding of material (print, visual, and audio).

ENGLISH LANGUAGE ARTS 122
This course is for students whose future may include university study. Students are expected to exercise independent and critical thinking as textual material is studied as a class, in groups, and individually. Formal writing is emphasized as a measure of student competency in writing and interpreting. Increasingly challenging material will be presented .

ENGLISH LANGUAGE ARTS 123
This course is designed for students whose immediate future plans do not include university. Emphasis is placed on clear communication,

through both the written and spoken word. Students will continue their study of fiction and nonfiction texts. Guided assignments will provide opportunity to demonstrate their literacy skills.

CHILDREN'S LITERATURE 120
Children's Literature 120 offers learners the opportunity to explore the evolution of children's literature, gain an understanding of the profound impact of representation, and analyze the various genres, to gain insight into the essential question: why is children's literature important? Learners will engage in critical discussions on the ethical considerations surrounding children's literature, exploring how stories can promote empathy, understanding, and a sense of identity. The final aspect of the course, focused on creation and communication, empowers learners to demonstrate their understanding in ways that align with their interests and abilities, encouraging creative and critical responses to the rich world of children's literature.

GRAPHIC NOVELS 120
Graphic Novel 120 will provide a unique opportunity for learners to examine this complex genre of visual storytelling in depth. The course will study the graphic novel, including the evolution of visual storytelling, text structure, artistic voice, artistic devices, and impact on the audience. Learners will read, discuss, and design a variety of visual texts, culminating in a deeper understanding of the choices made in visual storytelling.

JOURNALISM 120
Journalism 120 is a flexible elective that develops concise, accurate writing and critical thinking through real-world applications. Students explore the journalist's role in documenting and narrating society, fostering an understanding of informed citizenship in a democracy. The course emphasizes inquiry, collaboration, critical analysis, persuasive writing, and news values.

MEDIA STUDIES 120 *
FI MEDIA STUDIES 120 *
With increasing global connectedness, understanding media's role and power is more vital than ever. Media Studies 120 equips learners to navigate evolving media landscapes through critical inquiry and analysis. Centered on media consumption and creation, the course explores contemporary issues on global and local scales while fostering skills as both critical media consumers and creators.

WRITING 110
In Writing 110, learners will explore diverse writing modes and purposes for real audiences and personal expression. The writing process includes prewriting, drafting, revising, editing, and publishing, with individual progress varying by learner. While some pieces may go through all stages, this depends on the purpose. Assessment values both the process and the final product equally.

ADDITIONAL LANGUAGE COURSES

FI LANGUAGE ARTS 110
Students taking this course must have successfully completed Grade 10 FI Language Arts. This course is designed to maintain and further develop French linguistic skills by taking into consideration the four aspects of the language (reading, writing, listening, speaking). Oral participation is essential. There will be a complete study of one play.

FI LANGUAGE ARTS 120
This course is designed to maintain and further develop French linguistic skills by taking into consideration the four aspects of the language (reading, writing, listening, and speaking). Oral participation is essential.

FI TECHNIQUES DE COMMUNICATIONS 110
This course is open to grade 11/12 students who wish to improve their oral and written skills in French. The program includes a variety of communication activities. The oral component is a very important aspect of the course.

FI TECHNIQUES DE COMMUNICATIONS 120
This course is open to grade 11/12 students who wish to improve their oral and written skills in French. The program includes a variety of communication activities. The oral component is a very important aspect of the course.

POST-INTENSIVE FRENCH 110
Designed for students who have successfully completed Post-Intensive French in grades 9 and 10. Different themes are explored to improve students' understanding (reading and listening) and production (speaking and writing).

POST-INTENSIVE FRENCH 120
Designed for students who have successfully completed Post-Intensive French in grade 10. Different themes are explored to improve students' understanding (reading and listening) and production (speaking and writing) in French.

INTRODUCTORY WOLASTOQEY 110
The Introductory Wolastoqey 110 course is designed for students with little to no experience speaking the Wolastoqey language. This course provides students with an understanding of the nature of the language, basic communication

Languages Arts and Languages Cont'd

skills in Wolastoqey Latuwewakon, and an appreciation of Wolastoqey culture. Students will learn and practice language through conversations, games, and written assignments. This course is open to all First Nation and non-First Nation students who want to learn the Wolastoqey Latuwewakon and develop a better understanding of the Wolastoqey culture.

SPANISH 110
The primary objective of this introductory course is to develop initial communicative abilities in the Spanish language. Students taking this course will experience continual practice in communicating and will become familiar with common Hispanic customs and traditions. This course is open to grade 11 and 12 students.

SPANISH 120
Students completing this course will be able to satisfy minimum courtesy requirements and maintain very simple face-to-face conversations on familiar topics. Students interested in post-secondary Spanish are encouraged to take this class as it permits a more in-depth study of the language.

Courses with an asterisk may be used to fulfill the requirements for no more than one cluster.

FINANCIAL & WORKPLACE MATH 110
FI FINANCIAL & WORKPLACE MATH 110
This course is the first of two courses designed for entry into post-secondary programs in trades and technical programs, as well as some arts programs at university. Concepts in trigonometry are explored. Scale models and drawings of 2-D and 3-D objects are constructed from various views and perspectives. Students are challenged to solve problems that involve numerical reasoning. Time will be spent on financial outcomes, including analysing costs and benefits of renting vs. leasing vs. buying, investment portfolios and budgeting.
Prerequisite: Geometry, Measurement & Finance 10.

FOUNDATIONS OF MATHEMATICS 110
FI FOUNDATIONS OF MATHEMATICS 110
This course is a required course for entry into either the Foundations of Mathematics or the Pre-Calculus pathways. Students develop logical reasoning skills and apply these to proofs, and problems involving angles and triangles, and the sine and cosine laws. Students will solve problems involving systems of linear inequalities in two variables and explore characteristics of quadratic functions. Financial applications are analyzed.
Pre-requisite: GMF 10 and NRF 10. (The FHS Math Department recommends a mark of at least 70% in each of these to meet with success in this course.)

PRE-CALCULUS 110
FI PRE-CALCULUS 110
This course is the first of three pre-calculus courses required for many post-secondary programs relating to science and mathematics. Students in this course will learn about absolute value, radical and radical expressions and equations. They will work in depth with quadratic functions. They will solve systems of equations in two variables, both linear-quadratic and quadratic-quadratic. Linear and quadratic inequalities will be solved in one and two variables. Some time will also be spent on developing skills in trigonometry.
Pre-requisite: Foundations 110. (The FHS Math Department recommends a mark of at least 70% in Foundations 11 to meet with success in this course.)

FINANCIAL & WORKPLACE MATH 120
This is the second of two courses in the Financial & Workplace pathway designed for entry into post-secondary trades and technical programs, along with some Arts programs. Topics include measurement, sine and cosine laws, properties of polygons, transformations of 2-D and 3-D shapes, small business finance, linear relations, data interpretation and probability.
Prerequisite: Financial & Workplace Math 110

FOUNDATIONS OF MATHEMATICS 120
This is the second of two courses in the Foundations of Mathematics pathway designed for entry into post-secondary academic programs not requiring pre-calculus. Topics covered are statistics, logical reasoning, application of set theory and conditional statements, probability, as well as permutations and combinations. Data is represented using polynomial, exponential, logarithmic, and sinusoidal functions and used to solve problems.
Prerequisite: Foundations of Mathematics 110

PRE-CALCULUS A 120
This course is a pre-requisite or co-requisite for Pre-calculus B 120. Students will become proficient in performing transformations of stretches, reflections and translations using the mapping rule. They will be introduced to the inverse of functions, radical, exponential and logarithmic functions. A third of the course is devoted to trigonometry, learning about angles in standard position, radians and the unit circle. In addition to working with sine, cosine and tangent, the reciprocal trigonometric ratios of cosecant, secant and cotangent are introduced. First and second-degree trigonometric equations are solved algebraically and graphically. Trigonometric identities round out the course, including proofs and solving equations involving reciprocal, quotient, Pythagorean, compound and double-angle identities.
Prerequisite: Pre-Calculus 110 (The FHS Math Department recommends a mark of at least 70% in Pre-Calculus 110 to meet with success in this course.)

PRE-CALCULUS B 120
This course is a pre-requisite for **Calculus 120**. Students solve problems by analyzing arithmetic and geometric sequences and series, as well as by using permutation and combinations and operations on functions, including composition. They learn to factor polynomials of degree greater than 2, and to graph and analyze polynomial functions. Students also graph and analyze radical, reciprocal, and rational functions, building a function toolkit. Students are introduced to the concept of limits and determine the limit of a function at a point both graphically and analytically. They explore and analyze left and right-hand limits as x approaches a certain value using correct

Mathematics Cont'd

notation, analyze the continuity of a function and explore limits which involve infinity.
Pre- or Co-requisite: Pre-Calculus A 120

CALCULUS 120
This course develops the concepts of average and instantaneous rates of change. Derivatives are determined by applying the definition of a derivative and the derivative rules, including the Chain Rule and trigonometric functions. Limits and derivatives of exponential and logarithmic functions are found. Calculus techniques are used to sketch graphs of functions and to solve optimization problems. Problems are solved involving inverse trigonometric functions, related rates and the application of the integral of a function. The definite integral and the anti-derivative of a function are determined.
Note: This course will benefit students interested in post-secondary programs in science, engineering, and mathematics, although it may not be an entrance requirement. Students should check requirements for the specific program and institution in which they are interested.
Prerequisites: Pre-Calculus A 120 **AND** Pre-Calculus B 120

AP CALCULUS & PRE-CALCULUS AB 120
Students enrolling in this full-year course will, if successful, receive credits for Pre-Calculus A 120, Pre-Calculus B 120 and AP Calculus AB 120. This course is an enriched program of study covering three semesters of work in two. It is designed to challenge students who have a high ability in mathematics and can work at an accelerated pace. Topics covered are described in the previous three course descriptions.
Prerequisites: Pre-Calculus 110 and a recommendation from your Pre-Calculus 11 teacher who will provide an Expression of Interest form to interested students.
NOTE: Space is limited in this course.

NBCC SKILLED TRADES AND WORK-READY MATH 120 – Dual Credit with NBCC (MATH 1208)
In this course, students will focus on basic math skills and using them in trades applications. Topics covered include accuracy and precious and using appropriate measurement tools, and number sense such as place value, rounding, working with integers, fractions and percent. Students will manipulate formulae while determining perimeter, area and volume, and use proportional reasoning and rates as well as conversions. Students will work on projects independently as well in group settings.
Prerequisite: Financial Workplace Math 110

AGRICULTURE 110
This course includes the history and evolution of agriculture in New Brunswick which recognizes Indigenous and settler contributions, everyday impacts on life in New Brunswick, and specific types of agriculture predominant in New Brunswick. Learners will apply knowledge of plants and animals to local contexts, to introductory plant growing and animal care research skills, this leads to creating quality agriculture products and/or operations.

AUTOMOTIVE ELECTRICAL SYSTEMS 120 *
Introduction to the theory and operation of automotive electrical systems. Students will study the principles of electricity, including electron theory, magnetism and electrical symbols. Course content progresses to components of the charging, ignition and starting systems. Study includes engine management systems, scanning on-board computers and diagnostics. This course may be used as a science credit for graduation purposes.
Lab Fee: $20.00

BIOLOGY 111
This course is designed for the student who is self-motivated with a genuine interest in science. The course topics are the same as the Biology 112 course; however, they will be covered in greater depth.

BIOLOGY 112
FI BIOLOGY 112
This course is geared to students who have an interest in nature and living things. Lab work and demonstrations will supplement classes. Topics covered are cell biology, classification, and a survey of the Kingdoms of Life.

BIOLOGY 121
Highly Recommended: Biology 111/112 and Chemistry 111/112
Designed for students who have demonstrated a high level of achievement in previous science courses. Topics covered include the nervous system, the endocrine system, the reproductive system, genetics, the structure of DNA, DNA synthesis, protein synthesis and an overview of the chordates. Students taking this course may elect to write the AP Biology exam.

BIOLOGY 122
FI BIOLOGY 122
Highly Recommended: Biology 111/112 and Chemistry 111/112
This course is recommended for students who intend to study science at university. Topics covered include the reproductive system, mitosis & meiosis, genetics, the structure of DNA, DNA replication, protein synthesis, genetic engineering, and evolution.

CHEMISTRY 111
Highly Recommended: Foundations of Mathematics 110 and Science for Sustainable Societies 10
This is an enriched chemistry course designed for students with a strong work ethic who are planning to take courses in science or engineering at the university level. Students should have at least 90% in science and math. This course covers all the topics from Chemistry 112, with enrichment in topics such as molecular orbital theory limiting reagents and empirical /molecular formulas. Students must complete a guided independent study on gas laws.

CHEMISTRY 112
FI CHEMISTRY 112
Highly Recommended: Foundations of Mathematics 110 and Science for Sustainable Societies 10
This is an introductory course in chemistry. This course continues to build upon chemical concepts learned in grade 10. Students planning to take nursing, engineering, or science (pure and applied) should consider taking this course. Topics covered are atomic bonding, chemical reactions, mathematical calculations related to reactions and solutions.

CHEMISTRY 121
Highly Recommended: Chemistry 111/112 **AND** Foundations of Mathematics 110
A continuation of Chemistry 111 designed for serious science students who plan to further their science education at the post-secondary level. The course covers all of the topics in Chemistry 122, with enrichment, plus a self study unit on Redox reactions. Students may elect to write the AP chemistry exam.

CHEMISTRY 122
Highly Recommended: Chemistry 111/112 **AND** Foundations of Mathematics 110
For students planning on taking science, engineering or nursing. It is a continuation of Chemistry 112. Topics covered include organic chemistry, chemical equilibrium, acid-base chemistry and energy changes.

ENVIRONMENTAL GEOSCIENCE 110
The course provides an introduction to physical geography and includes such topics as: the earth as a rotating planet, weather and climate systems, systems and cycles of the solid earth, volcanoes, tectonics, landform evolution, soils, the environment and the biosphere. Note: This hands-on course requires students to work independently in a field research setting

Sciences Continued

(multiple field trips during the semester). This course is recommended to those who are planning on pursuing university or college in geology, forestry, civil engineering, urban or rural planning or fields related to the mining industry. Students should have a strong showing in Science 10 as we will be covering topics related to both physics and chemistry.

ENVIRONMENTAL SCIENCE 120
The objective of this course is for students to develop the knowledge base and skills for investigating and analyzing environmental issues and for communicating their knowledge and analysis to others. Students will:
1. Identify the impact of personal behaviours on the environment, and recognize that caring for and sustaining natural environments is an element of responsible global citizenship..
2. Analyze and propose solutions to current environmental issues through research, experimentation, and a presentation of their findings with respect to the issue.
Note: Students must have a strong work ethic and be able to work on independent/group work.
Note: All students will participate in a School Sustainability Project and/or a Wetland Centre of Excellence project.

FORESTRY 110
Forests and sustainable forest management have and will continue to play an essential role in the social, environmental, and economic well-being of the province. Forestry 110 will develop an appreciation and understanding of the societal values placed on forested ecosystems, how forests are managed to achieve these values, and the interactions between humans and forests.

HUMAN PHYSIOLOGY 110
This course will appeal to a wide range of learners, including students for whom this will serve as their science graduation requirement. The goal of this course is to build an understanding of the physiology of the human body. Students will build their scientific literacy skills as they learn more about the different body systems and how they relate to each other. With this knowledge, students will be challenged to identify a physiological limitation and create an innovative product to assist individuals with that limitation. By the end of the course students will have more in-depth knowledge about their body and have made a positive contribution to their community.

INTRODUCTION TO ELECTRONICS 110
The basics of electronic theory and components of electronic devices are the subjects of this course. Students learn through a series of lab activities including types of direct current circuit construction. This course will be of interest to students exploring career opportunities in skilled trades and also those interested in engineering and technology disciplines. May be used as a science credit for graduation purposes.
Recommended: Successful completion of Grade 10 Numbers, Relations, & Functions

PHYSICS 111
Highly Recommended: Foundations of Mathematics 110
An enriched physics course for the motivated science student. **Students electing to take this course should have better than average ability in mathematics and science.** Topics covered are the same as those in Physics 112 plus optics and interference of light.

PHYSICS 112
Recommended: Foundations of Mathematics 110 and Science for Sustainable Societies 10
An introductory physics course designed for students intending to go to university or technical school following graduation. Topics include kinematics and dynamics in one dimension, momentum, work, energy and power, waves, light and sound.

PHYSICS 121
Highly Recommended: Physics 112/111 **AND** Foundations of Mathematics 110
A continuation of Physics 111 designed for above-average physics students. The course covers the same topics as Physics 122 plus torque and rotational motion.

PHYSICS 122
Highly Recommended: Physics 112 **AND** Foundations of Mathematics 110
Students planning to take science or engineering at university should take this course. It is a continuation of Physics 112. Topics covered include 2-dimensional kinematics and dynamics, circular motion, gravitation, electric and magnetic fields, static and current electricity. It is highly recommended to students who are considering taking this course that they have successfully completed Pre-Calculus /FI Pre-Calculus 110.

Courses with an asterisk may be used to fulfill the requirements for no more than one cluster.

Personalized Wellbeing – Creative Arts

CREATIVE ARTS 110
Designed for learners who have an interest in the arts to encourage skill development through exposure to a variety of challenges and problems requiring creativity and higher order thinking. Students will work both individually and collaboratively and are encouraged to design their learning in collaboration with teachers. Input and guidance from industry professionals and/or mentors is also encouraged. Students will be exposed to a wide range of media for purposes of analysis, application, historical research, and demonstration of understanding.

CREATIVE ARTS 120
Learners build on previously learned vocabulary and technical skills to create works which demonstrate skills in a variety of situations or in innovative ways, culminating in a final portfolio.
***NOTE**: Enrollment is only recommended after successful completion of Creative Arts 110 (or another grade 11 creative arts option) or after consultation with an arts educator.*

DRAMATIC ARTS 110
An introductory performance-based course designed to encourage students to develop their dramatic skills through exposure to a variety of challenges and opportunities that require creative and higher order thinking skills related to creativity, performance, and production. It is highly participatory and requires consistent attendance for the development of collaborative projects and student engagement in new experiences. Students will be required to work individually, independently, in small groups, and in larger ensembles. Projects and research activities will be activity based experiential learning. Students will be exposed to a wide range of dramatic conventions and styles for the purposes of creating, analyzing, conducting research, and performing.

DRAMATIC ARTS 120
This course assumes an enhanced level of theatrical experience. In collaboration with their teacher and peers, students are encouraged to direct their learning and decide how to demonstrate the acquisition of skills. Students will be expected to have more involvement and ownership of their learning and subsequent assessment, collecting evidence of learning, and expanding upon the skills acquired in Dramatic Arts 110. Students may be required to work outside of the classroom (including individual/ensemble practice and studio rehearsal) due to the many and varied manifestations of theatre activities. Students are also strongly encouraged to participate in extracurricular and community-based opportunities.
***NOTE**: Successful completion of Dramatic Arts 110 is highly encouraged.*

FILM 110
Designed for learners interested in the foundations of filmmaking, both production and analysis. Students will get hands-on experience with key elements of film production—set and lighting design, editing, cinematography, narrative structure, and sound design—through the study of a wide range of film texts, including feature-length Hollywood films, music videos, and short films, as well as the purposeful creation of their own short productions. Suitable for students who want to try making films themselves and for those who simply want to better understand how films work and how they shape culture.
***NOTE**: Enrolled students must return a parent/guardian film-viewing permission form. Some course films may include mature content (including select R-rated titles) and will be viewed strictly for academic analysis.*

FILM 120
An advanced film studies and production course for learners who want to deepen both their understanding and practice of film. Through the close viewing of films, you'll explore advanced elements such as genre and style, the developing role of special effects and technology, a film's cultural and historical context, audience and reception, and the foundations of film theory and critical analysis. Independent and group productions will include an individual short documentary and a collaborative short fiction film.
***NOTES**: Successful completion of Film 110 is highly encouraged. Enrolled students must return a parent/guardian film-viewing permission form. Some course films may include mature content (including select R-rated titles) and will be viewed strictly for academic analysis.*

GRAPHIC ART AND DESIGN 110
Investigates how the power of persuasion can be harnessed in visual imagery. Learners are asked to consider the ways media is consumed, how media can influence perception, and how artists can be a source of influence. Utilizing industry standard software (Photoshop and Illustrator), this course will give basic skills in developing various projects. These software skills, coupled with learning in design theory (typography, colour, composition), will allow for the development of unique layouts, logos, advertising, etc.
***NOTE**: Grade 10 art highly recommended.*

Personalized Wellbeing – Creative Arts Continued

GRAPHIC ART AND DESIGN 120
Intended to extend learning in concepts studied in Graphic Art & Design 110. While some Achievement Indicators are the same for Graphic Art & Design 110 as 120, learners will be expected to demonstrate a higher level of understanding, independence, and application of skills in Graphic Art & Design 120. A strong understanding of typography, Photoshop, and Illustrator is a must.
***NOTE**: Successful completion of Graphic Art & Design 110 is highly recommended. Graphic Art & Design 110 and Graphic Art & Design 120 cannot be taken together in the same semester.*

MUSIC 111 (Instrumental/Voice/Piano)
This course is for anyone who has played an **orchestra** or **concert band instrument** for the last 3+ years or who is currently **studying voice or piano** privately and has a strong performance /theory background. Approximately 40% of class time is spent on developing playing techniques and performing a varied repertoire. The balance of the time is spent on theory, history, analysis, and composition.
***NOTE**: Grade 10 Music highly recommended*

MUSIC 112 (General Music: Piano/Guitar/Choral)
This course is designed for the general level piano, guitar or choral student who can read music on his/her instrument and has completed the grade 10 music course.
Approximately 40% of the class time is spent on the further development of playing technique and performing a varied repertoire. The balance of the time is spent on theory and performance/composition-type projects.
Piano- or guitar- or choral-specific classes will be offered separately where numbers allow.
***NOTE**: Grade 10 music highly recommended*

MUSIC 122 (Instrumental)
Designed for students interested in advanced music studies. The course assumes an advanced level of music literacy, good aural skills, a sound theoretical background, knowledge of historical styles and forms, and an interest in improving upon and expanding these areas of music knowledge and expertise. Music 122 is a performance-based course designed to encourage students to develop their musical skills through exposure to a variety of musical challenges and problems requiring creative and higher order thinking skills. The course involves a combination of independent, goal-oriented studio practice and collaborative group composition and performance.
***NOTE**: Grade 11 Music highly recommended*

POPULAR MUSIC 120
Learners will examine culture through the elements of music, instrumentation, the role of industry and promoters, artists, and writers. Learners will be expected to create and/or recreate music to demonstrate their understanding of specific characteristics of a particular genre. Differing from other music electives, Popular Music 120 performances focus on process rather than product. This course will give learners a deeper understanding of musical genres and the development of social and cultural trends. People, regardless of race, gender, or geography, have always written music about their social and cultural surroundings as well as historical events that influence their lives. Learners will investigate how global events shape popular music and how popular music has, in turn, influenced culture and society.

VISUAL ARTS 110
Visual Art is a universal form of expression which encourages learners to refine ideas through cycles of planning, action, and reflection. The specific skills, vocabulary, techniques, processes, and technologies of visual art enable learners to examine the world around them and to express themselves in unique ways. Visual art learners engage in curiosity, inquiry, and wonder. Through visual art, learners use feedback and mistakes to embrace discovery and build perseverance. Visual Arts 110 moves towards a personal expression while receiving teacher mentorship in disciplines such as figure drawing, composition, and clay works, among others.
***NOTE**: Grade 10 art highly recommended*
Studio fee: $20.00

VISUAL ARTS 120
Want to develop a mixed media and multi-disciplinary portfolio? Visual Arts 120 allows you multiple options in four blocks of study: utilizing drawing, painting, design, and sculptural skill sets. Bring your unique conceptual ideas to life!
***NOTE**: Grade 11 art highly recommended*
Studio fee: $20.00

NOTE: Digital Production, Fashion Technology & Design, and Media Studies may be used to meet a Creative Arts requirement but can only be used to fulfill one cluster requirement.

Personalized Wellbeing – Wellness & Phys. Ed.

ADVANCED TRAINING PRINCIPLES 120
This course builds physical fitness through powerlifting, bodybuilding, plyometrics, and endurance training, while exploring nutrition, supplementation, biomechanics, and sport-specific training.

DANCE 110
Dance 110 invites students of all experience levels to explore self-expression through movement. Students will develop technical and creative skills across genres including jazz, hip-hop, ballet, and contemporary. The course emphasizes choreography and performance, using music, literature, and visual arts as creative stimuli. Key topics include dance history, production, and career pathways, all within a safe and inclusive environment.

EARLY CHILDHOOD DEVELOPMENT 120
Designed for students pursuing early childhood education or related fields, this course covers heredity, conception, prenatal development, childbirth, and child growth, with a focus on intelligence and attachment theories.

HEALTH CARE 110
This course introduces students to Canada's healthcare system, medical professions, and career pathways. Topics include healthcare roles, consumer rights, environmental and societal issues, and professional expectations within the field.

HUMAN SERVICES 110
This course explores human service careers, emphasizing inclusive communities and an aging population. Students will develop work-related skills and investigate innovations, careers, and post-secondary opportunities in the field.

INDIVIDUAL AND FAMILY WELLNESS 120
Students will study personal and relational development, including topics like personality, relationships, love, family, sexuality, wellness, and aging. Ideal for those interested in sociology, psychology, teaching, and social work.

INTRODUCTION TO KINESIOLOGY 120
This course is for students planning to pursue kinesiology, science, or nursing at the university/college level. It combines academic content with engaging activities such as demonstrations, student presentations, guest speakers, and group work to enhance knowledge of kinesiology. Students will develop critical thinking, problem-solving, and technology skills. Topics include human anatomy, exercise science, recreation, sport studies, and careers in kinesiology.

NUTRITION 120
This course explores healthy food choices, nutrition across the lifecycle, and social issues like food affluence and hunger. Focus areas include carbohydrates, fats, and proteins and their impact on daily food choices. Ideal for students pursuing careers in nutrition, dietetics, kinesiology, personal training, or those looking to improve their knowledge of healthy living and fitness.

OUTDOOR EDUCATION 110
This course focuses on developing outdoor recreation skills while emphasizing environmental ethics. Students will participate in several outings, including half-day, full-day, and a mandatory overnight camping trip. Activities may include hiking, canoeing, rock climbing, and swimming, with safety as a priority. Students will plan, lead, and evaluate outings. Admission is based on attendance, worth ethic, and the ability to work independently.
Course Fee: $100 for transportation, rentals, and supplies
Application required – link on FHS Guidance page

OUTDOOR EDUCATION 120
Outdoor Education 120 builds leadership, outdoor skills, and environmental awareness through hands-on experiences like hiking, climbing, and canoeing. Students develop safety, survival, and trip-planning skills while exploring nutrition, teamwork, and outdoor careers. The course includes leading excursions, including an overnight trip, fostering autonomy and environmental responsibility. Outdoor Education 110 is strongly recommended.
Course Fee: $100 for transportation, rentals, and supplies
Application required – link on FHS Guidance page

PHYSICAL EDUCATION THROUGH SPORT 110 (Hockey or Basketball Focus)
This course combines active participation with the study of sport. Students develop sport-specific skills, strategies, tactics, and training concepts through a focused study of either hockey or basketball, while also exploring topics such as ethics in sport, teamwork, mentorship, lifelong participation, and career pathways. Emphasis is placed on respectful, inclusive, and safe participation.
Application required – link on FHS Guidance page

Personalized Wellbeing – Wellness & Phys. Ed. Continued

PSYCHOLOGY 110
An introduction to psychology as a science that explores how we think, feel, and act. Topics include careers in psychology, research methods, culture and gender, sleep, dreams, hypnosis, and disorders like schizophrenia. Ideal for students interested in psychology or understanding human behaviour.

PSYCHOLOGY 120
A continuation of Psychology 110, this course examines motivation, emotion, personality development, learning, memory, intelligence, stress, health, social relations, and treatments for disorders.
Recommended: Psychology 110

SPORT & RECREATION LEADERSHIP 120
This course develops leadership skills through sport and recreational activities. Students will take on roles such as leader and mentor, focusing on team dynamics, planning, performance, evaluation, and reflection. Priority is given to grade 12 students.
Application required – link on FHS Guidance page

WELLNESS PHYS ED 110
FI WELLNESS PHYS ED 110
This course helps grade 11 and 12 students develop decision-making skills for personal wellness through physical activity. The course includes 40% theory in the classroom and 60% practical work in active settings, promoting awareness of a healthy, active lifestyle.
Course fee: $50 for transportation and equipment costs

YOGA 110
This course explores the physical and mental aspects of yoga, focusing on strength, flexibility, endurance, balance, breath regulations, and mental focus. Activities include physical practice, personal reflection, partner assessments, group discussions, and classroom theory (40%). Topics include the history of yoga, nutrition essentials, and ethical principles like kindness and respect. Yoga promotes mental health, fitness, and personal growth.
Note: Students must supply their own yoga mat.

Personalized Wellbeing – Career Connected - Career

SCHOOL-TO-WORK TRANSITION COURSES

The following school-to-work transition courses feature an experiential component often referred to as a work or Co-op placement. In addition to course content students will gain hands-on experience in a field that they may be interested in pursuing. Students must complete the minimum hours required at the workplace to qualify for the credit. Students will complete a second mandatory project and presentation instead of a final examination. **No more than 24 CPM credit hours may be used towards graduation.**

Acceptance in these courses is based on an application, attendance, recommendations and an interview. **Applications must be submitted no later than the last week of April** and are available in the School Counselling Office. A code of conduct will be signed by all students. Not meeting the expectations outlined in the code of conduct will result in a referral to FHS Administration and possible removal from the course and loss of credits.

CAREER PATHWAY DESIGN
This course helps you explore who you are, what you're interested in, and where you want to go. Through three integrated strands: Thinking, Exploring, and Experiencing, you'll dive into real career pathways and hands-on activities.This course gives you space to discover your strengths, try new possibilities, and start building a path that actually fits you.

CAREER PATHWAY MENTORSHIP 120
FI CAREER PATHWAY MENTORSHIP 120
(8 or 12 credit hours)
Students may explore any career field (based on availability in our community) for three hours each school day. After the mandatory in-class component is completed, students gain experience in the desired career field for three hours each day for the remainder of the semester. If the work component is completed with a placement than can offer the experience primarily in the French Language, students would be granted **eight out of the twelve credit hours towards the F.I. certificate.**

Career Pathway Mentorship Options:

Early Childhood - Students can earn an Early Childhood Certificate.

Long Term Care - Students can earn employment ready recognition and be eligible for a follow-up preceptorship and possible employment with partner care programs.

PCMT – Onsite computer support at FHS (can be taken twice)

Skilled Trades – Placement with licensed journeyman. Workplace hours can be used towards trades certification.

DEVELOP & LEAD 110
This course is designed to develop leadership potential in safe and inclusive spaces through discovery, exploration, and reflection on leadership. In these elective courses, learners are encouraged to plan, organize, and administer projects
within their schools and communities.

SKILLS FOR SUCCESS 120
This course is designed to help students prepare to live on their own. In this course, students will learn organization, time management, and communication skills such as goal setting, financial literacy, housing options, consumerism, healthy lifestyle, and positive mental health strategies. Students will explore habits and behaviours that will enhance their success in life.

Career Connected – Information & Communication Technology

COMPUTER AIDED DESIGN 110
In this course students create technical drawings with part of the course emphasizing the process of design. Students will spend a great amount of time using the computerized drafting system and AutoCAD software. Students interested in post-secondary technology programs, graphic design and all fields of engineering would benefit from this course.

COMPUTER ASSISTED MANUFACTURING 110
This course introduces students to the full process of turning a product idea into a manufactured item. Students learn how to create and prepare digital files that guide computer-controlled machines. The course focuses on practical experience with CNC routing, 3D printing, and laser cutting, allowing students to design and build final projects. Along the way, students also explore related career pathways and how these skills can be applied in their own lives.
Lab Fee: $25.00

COMPUTER SCIENCE 110
(FIT--see page 3)
This is an introductory course in structured programming in VISUAL BASIC language. The theory component is limited to programming applications. Topics include entering data, decision making, loops, one- and two-dimensional arrays, sorting, subroutines, main menu programs, library functions, and string manipulation. Students selecting this course should have good mathematics skills. Students use the computer as a problem-solving tool and will find this course of value in future studies or careers in engineering, business administration, technology and science.

COMPUTER SCIENCE 120
This course will include a study of high-level languages (mostly JAVA). Advanced concepts and procedures are presented to provide a more comprehensive understanding of computer usage and applications. This is a desirable course for students intending to follow a computer science or data analysis program at a post-secondary institution.
Recommended: Computer Science 110

CYBERSECURITY 110
(FIT--see page 3)
This course provides comprehensive instruction in the cybersecurity and maintenance and repair of computers and peripheral devices, hardware, software, operating systems, networking, and printers. The CISCO Systems IT Essentials curriculum and hands-on activities will give students practical skills to provide basic technical support at the school. Students having successfully completed all required objectives have the option of writing the A+ Certification exams at their own expense.

CYBERSECURITY 120
Explore the fundamentals of cybersecurity through an engaging, hands-on approach. This course introduces students to problem solving strategies, risk analysis, and real-world case studies. Learners will design and evaluate defensive cybersecurity projects while developing the skills needed to understand and mitigate modern cyber threats.

DIGITAL PRODUCTION 120 *
(FIT--see page 3)
Are you interested in digital imaging, creating websites, simple animation or digital audio? If so, Digital Production 120 can offer you the skills which will allow you to create multimedia and web pages. This class is a skill-based course designed for those who are motivated to learn more about web design, editing images, animation and audio recording.

INFORMATION TECHNOLOGY 120
(FIT--see page 3)
The objective of the IT120 course is to prepare students with the advanced skills required to be successful on the exams for Microsoft certification using Microsoft desktop software. Microsoft exams provide a reliable measure of a person's technical proficiency and expertise by evaluating their overall comprehension of Microsoft Office software, and the ability to use advanced features along with the ability to integrate Office programs with other software. These skills will be of use to students in their post-secondary pursuits. Topics include Word, PowerPoint, Excel, and Outlook.

ROBOTICS 120
This course explores the field of robotics and industrial automation. Through experimentation and simulation labs, students explore computer programming and construct functional examples which integrate pneumatic, electrical, mechanical and computer-controlled devices to mimic real-world machines. Along the way, students develop their technological design, communication and problem solving skills. This course would be of interest to students exploring career opportunities in processing, manufacturing, engineering, or industrial controls.
Lab Fee: $20.00

Courses with an asterisk may be used to fulfill the requirements for no more than one cluster.

Personalized Wellbeing – Career Connected – Occupational

BUSINESS MANAGEMENT 120
(FIT--see page 3)
This is an introductory course in business organization, operation, and management. The understanding of business operations as practiced in Canada is a major objective of the course. The main areas of study include legal forms of ownership, marketing, personal and corporate finance, ethics, advances in information technology, understanding the stock market, and labour management relations.

EARLY CHILDHOOD SERVICES 110
Exploring child development from infancy to 6 years old, topics include types of early childhood programs, assessment, curriculum, and qualities of an early childhood worker. Daycare and kindergarten guidelines are examined. Students will plan lessons to teach children ages 4-6 and design a daycare center. Students will make arrangements to do daycare/kindergarten observations.

ENTREPRENEURSHIP 110
(FIT--see page 3)
An exploratory course for students interested in the world of small business, this course is designed to involve students in the development of ideas and skills necessary to bring business ideas to the marketplace. It allows students to see themselves as business people and appreciate the wide range of opportunities available to creators of an idea, owner-operator of a business, or employer-manager of a small business in today's global economy. There is a written business plan component and several in class presentations.

FASHION TECHNOLOGY AND DESIGN 110 *
This course introduces students to a wide range of career possibilities in the fashion industry. It is fully hands-on, project-based, and focused on building real skills. Students will explore the world of textiles from how they're made to how to identify different fibers and fabrics. Through a series of engaging projects, including a sample portfolio and the creation of a personal garment, students will learn to read commercial patterns and use modern construction techniques on a sewing machine. No sewing experience is required.
Fashion Technology 110 is strongly recommended for students planning to take Fashion Design 120.
Lab fee: $25.00 plus cost of Final Project Supplies

FASHION TECHNOLOGY AND DESIGN 120 *
This course is designed to give students the opportunity to create, learn, and explore in the field of fashion design. In addition to theory, students will work hands on with a variety of technologies to design and create their own mini collection including a basic accessory. Students will develop sketching techniques to create fashion illustrations, learn the basics of pattern drafting, put together a design portfolio, and learn about fashion promotion and marketing. Basic sewing will **NOT** be taught.
Lab fee: $25.00 plus cost of project supplies

FINANCIAL ACCOUNTING 120
Introduces students to procedures, concepts and applications of accounting. Topics covered include the nature of business, accounting, bookkeeping procedures, accounting theory, and the entire accounting cycle, as well as various forms of business enterprises such as sole proprietorships, partnerships and corporations. This course is ideal for students in business at a post-secondary institution.
Lab fee: $20.00 for required workbook

HOSPITALITY AND TOURISM 110
Students will explore the sectors of the Travel Industry including accommodations, food and beverage, attractions, and transportation. Students will have the opportunity to create and evaluate Hospitality and Tourism through its past and into the future. Students will learn valuable customer service skills, create a dream vacation for themselves and create a marketing plan for local tourism. The skills learned will benefit the students with transferable skills for future employment opportunities. This course will explore areas of travel and tourism opportunities around the globe.

HOUSING AND DESIGN 120
Students will explore topics such as architecture and housing styles, influence of history on housing, interior design (using the principles and elements of design), and consumer concerns related to housing such as renting vs. buying. This course is designed for students who are going to study in this field as well as students who have an interest in housing and design.
Lab Fee: $20.00

MARKETING 120
Designed to introduce students to many of the marketing functions and activities that occur within the Canadian marketplace. Areas of focus include marketing strategies, product development and branding, and advertising. A portion of the course will involve self-directed learning whereby the students will demonstrate their understanding of the material through project work.
Courses with an asterisk may be used to fulfill the requirements for no more than one cluster.

Personalized Wellbeing – Career Connected – Skilled Trades

NOTE: Students who achieve a mark of greater than 70% in a skilled trades course will be credited with 80 hours towards their trade certification up to a total of 720 hours over their high school career.

AUTOMOTIVE ELECTRICAL SYSTEMS 120 *
This course introduces the student to the theory and operation of automotive electrical systems. Students will study the principles of electricity, including electron theory, magnetism and electrical symbols. Course content progresses to components of the charging, ignition and starting systems. Study also includes engine management systems, scanning on-board computers and diagnostics. **This course may be used as a science credit for graduation purposes.**
Lab Fee: $20.00

CULINARY TECHNOLOGY 110
The Culinary Technology program is designed to prepare students for employment and/or future education in the food service industry.
This technology driven and hands on skill-oriented program involves not only the how and why of food service preparation but focuses on the development of personal skills and food knowledge that can be applied to the food service industry. Food Safety Training and food security issues will also be explored.
This course has an emphasis on bakeries, baked goods, breads, and breakfast food preparation and production for an actual restaurant environment.
Lab Fee: $25.00

CULINARY TECHNOLOGY 120
The Culinary Technology Program is designed to prepare students for employment and/or future education in the food service industry.
This technology driven and hands on skill-oriented program involves not only the how and why of food service preparation but focuses on the development of personal skills and food knowledge that can be applied to the food service industry. Food Safety Training and Food security issues will also be explored.
This course has an emphasis on food and meal preparation and production for an actual restaurant environment.
Lab Fee: $25.00

ELECTRICAL WIRING (RESIDENTIAL) 110
Students will study the basic tools, materials and techniques used in residential wiring. Study includes the design and placement of circuits in a model family dwelling, according to the Canadian Electrical Code. The course will be of interest to students interested in exploring careers related to the electrical trade.
Lab Fee: $25.00

FRAMING AND SHEATHING 110
Students will participate in the planning and construction of wooden structures in a large, well-equipped shop. Students will learn the safe operation of carpentry tools and equipment. Emphasis will be placed on the interpretation of the National Building Code, blueprint reading, estimating and material layout. This course will be of interest to students exploring career opportunities in the construction industry.
Lab Fee: $15.00

INTERNAL COMBUSTION ENGINES 110
This course includes the theory of operation and function of the engine systems. Students learn the safe operation of tools and equipment used to disassemble, diagnose, service and repair engine components and systems. Emphasis is placed on the development of skills essential for persons entering the automotive, aircraft or marine service industries.
Lab Fee: $20.00

INTRODUCTION TO SKILLED TRADES 110
Students are introduced to a variety of careers in trades. It provides opportunities to explore and research practices and skills required for employment in trades/technology sectors. This course utilizes small group instruction, placing an emphasis on student directed learning and is structured to reflect the reality of work. Problem identification, teamwork and leadership skills are reinforced.
Lab Fee: $25.00

METALS PROCESSING (MACHINE SHOP)110
Students develop skills in the operation of lathes, grinders and milling machines. In the lab they learn a variety of processes used to form and repair metal parts for machines and tools. This course would appeal to students considering a career in the mechanic or machinist trades, mechanical engineering or mechanical technology areas.
Lab Fee: $45.00

MILL AND CABINET WORK 120
Students will build a series of wooden products to learn the safe operation of woodworking tools and equipment. They also learn project planning and estimating as well as finishing and installation of cabinets and furniture. This course will be of interest to students exploring career opportunities in the building construction industry as well as those with a general interest in woodworking.
Lab Fee: $40.00

Personalized Wellbeing – Career Connected – Skilled Trades Continued

POWERTRAIN AND CHASSIS 110
This course is designed to develop skill and knowledge in the service and maintenance of the automobile chassis and power train. Emphasis is placed on the function, repair and replacement of components. Topics include spring and shock assemblies, brakes, steering, wheel bearings, tires, transmissions, differential and drive lines. Students exploring careers in the automotive service industry would benefit from this course.
Lab Fee: $20.00

RESIDENTIAL FINISH 120
This advanced building construction course focuses on the acquisition of skills and knowledge associated with the completion of a modern wood frame residential building. Students work with lab-based projects to select and install insulation, wall and ceiling cladding as well as finish trim, doors and windows.
Lab Fee: $25.00

TUNE-UP AND EMISSIONS 120
This advanced automotive course includes the study of automobile fuel and emission systems. Students will study the component functions and service procedures of modern fuel injection, turbo chargers, super chargers and emission systems and how these affect fuel mileage, power and the environment. Students will use various diagnostic tools to read and understand information from vehicle computers, sensors, and trouble codes. Hybrid and zero emission vehicles will also be studied. This course would be of interest to students entering the automotive, aircraft or marine service industries.
Lab Fee: $20.00

WELDING/METALS FABRICATION 110
Students will develop basic skills in the safe use of arc and MIG welding equipment. Instruction will also be given in oxygen-acetylene and plasma cutting equipment as well as machines and equipment used to cut and form metals. Students work in a well-equipped, modern welding shop to construct or repair products such as furniture and cargo trailers. This course will appeal to students interested in exploring opportunities in welding metal working and mechanical servicing and many other skilled trades.
Lab Fee: $45.00

WELDING/METALS FABRICATION 120
Welding/Metal Fabrication 120 introduces students to advanced skills and practices, building upon the theory and practical skills obtained in Welding/Metal Fabrication110. This advanced course encapsulates and reinforces theory in Math, SMAW, GMAW, PAW, and OFC, all of which lead to a capstone project. Students will learn valuable safety procedures, tool skills, and engage with the NB global competencies.
Lab Fee: $45.00
RECOMMENDED: WELDING/METAL FABRICATION 110

Local Options & Other Electives

ADVANCED KEYBOARDING 110
This course will assist students in developing a touch keyboarding skill and the ability to format in *Microsoft Word*. Students will learn to format personal business letters, cover letters, résumés, tables, and long reports. This course will be beneficial to students who plan to pursue a career in a computer-related field or who plan to attend post-secondary institutions requiring formal assignments.

GENDER, MEDIA, AND CULTURE 120
This elective course is open to grade 11 and 12 students. It enables them to explore gender and media through the study of a range of equity issues in Canada and around the world. Gender, Media, and Culture is designed to welcome and celebrate students of all identities, and gender diversity.

INTRO TO TEACHING EDUCATION 120
This course is designed for students who are considering a career as a teacher. Throughout the course students will explore curriculum, learn how to create lesson plans and examine the latest trends in education. Other key components of the course will be instructional strategies, assessment practices and developing leadership and communication skills essential to the profession.

MAINTENANCE AUTO 110
This course is intended to introduce new and prospective drivers to the basic operation of automobiles: fuel, electrical, lubrication, tires, exhaust, and cooling systems. Students learn repair and maintenance procedures typically performed by car owners and enthusiasts in a well-equipped shop.
Lab Fee: $20.00
Note: This course cannot be taken by students who are taking other automotive courses.

PHILOSOPHY 120
This course will explore the nature of philosophy, its historical development, and its relevance in our lives today. Students will explore questions that have intrigued thinkers for millennia: from the nature of reality to questions of morality, to the foundations of knowledge, and many more. In addition to investigating traditional questions of philosophy, students will also examine issues that are contemporary and/or relatively unexplored. Areas of study will include Introduction to Philosophical Inquiry, Metaphysics, Logic, Epistemology, Ethics, Social and Political Philosophy, and Aesthetics. At appropriate points, students will consider how philosophical inquiry is enriched by including consideration of other viewpoints, such as gender and culture, and how it is impoverished by omitting these perspectives. Throughout, critical-thinking skills shall be taught as part of the exercise of reading, discussing, and writing.

RECORDING & SOUND DESIGN 120
This course is designed for the student who has an interest in audio recording and design. The student will receive instruction in the physics of sound, looping, MIDI, microphone techniques, and recording and sound design. Learning time will be divided between recording sessions in the recording studios, curriculum-based projects on the Mac computer and class projects.
Priority given to grade 12 students.
Note: Applications and recommendations forms are available on the FHS website.

SPORTS MEDICINE 110
This introductory course is for students interested in athletic training, physical therapy, medicine, fitness, kinesiology, nutrition, and related fields. Students will learn injury prevention, treatment, and evaluation, along with body systems, basic physiology, and exercise techniques. They may assist coaching staff with practices and games, applying skills like taping, first aid, and injury assessment in a real-world sports setting.
Course Fee: $50 for supplies
Recommended: Human Physiology 110

WORLD RELIGIONS 120
This course will explore major religious belief systems in the world including Aboriginal Spirituality, Hinduism, Buddhism, Judaism, Christianity, and Islam. The course will explore religious ideas of deity, milestones across religions, and the afterlife. The course will examine issues in Canada or elsewhere (terrorism, sexuality, for example) impacted by religious beliefs that affect the decision-making and the way of life of Canadians. This course complements studies in History, Political Science, Religious Studies, and Sociology.

OTHER ELECTIVES

PERSONAL INTEREST 1
PERSONAL INTEREST 2
Designed for grade 12 students, the one credit Personal Interest course will appeal to those interested in a self-directed exploration of a topic or subject of their own choosing. Students selecting this course are provided with the time and opportunity to develop and pursue personal interests. Students will be required to design the program of study in conjunction with their teacher(s), and/or other mentors in the school or community. Students must follow safety guidelines and review and follow policies

Local Options & Other Electives Continued	related to their projects. Students will need a high degree of independence and in their application must identify learning outcomes that are based on the New Brunswick Global Competencies. **Application required.**

Advanced Placement Program (AP)

ADVANCED PLACEMENT PROGRAM® (AP)

The Advanced Placement Program® (AP) enables willing and academically prepared students to pursue college-level studies while still in high school. AP courses on a student's transcript shows that they have challenged themselves with the most rigorous courses available to them. And success on an AP Exam shows that they are ready for college-level coursework. Most four-year colleges and universities grant students credit, placement, or both for qualifying AP Exam scores. AP Exams are given in **May** each year.

AP Courses offered at Fredericton High School:

AP BIOLOGY 120

AP Biology is an introductory college-level biology course. Students cultivate their understanding of biology through inquiry-based investigations as they explore topics like evolution, energetics, information storage and transfer, and system interactions. Study the core scientific principles, theories, and processes that govern living organisms and biological systems.

AP CALCULUS & PRE-CALCULUS AB 120

Students enrolling in this full-year course will receive credits for Pre-Calculus A 120, Pre-Calculus B 120 and AP Calculus AB 120. This course is an enriched program of study covering three semesters of work in two. It is designed to challenge students with a remarkably high ability in mathematics who can work at an accelerated pace. Topics covered are described above. **Prerequisites:** Pre-Calculus 110 **AND** the recommendation from your Grade 11 math teacher who will provide an application form for interested students.

AP ENGLISH LANGUAGE AND COMPOSITION 120

The AP English Language and Composition course focuses on the development and revision of evidence-based analytic and argumentative writing, the rhetorical analysis of nonfiction texts, and the decisions writers make as they compose and revise. Students evaluate, synthesize, and cite research to support their arguments. Additionally, they read nonfiction texts from a range of disciplines and historical periods. Open to grade 11 & 12 students.

AP ENVIRONMENTAL SCIENCE 120

How can we meet the needs of a growing population while sustaining natural resources? How can the global community collaborate to address environmental challenges? What does science tell us about our relationship with and dependence on the earth? In AP Environmental Science, you'll learn how to use the tools of science to address these and other big questions about our planet's future. This is a university-level course and requires a high level of dedication to schoolwork and independent study. Because of the level of the material and the prerequisites, this is restricted to Grade 12 students.

Prerequisites: Biology 112/111 **OR** Bio122/121, **AND** either Chemistry 112/111 **OR** Physics 112/111 **AND** Foundations of Math 11

AP PSYCHOLOGY 120

AP Psychology is designed to introduce students to the systematic and scientific study of the behavior and mental health processes of human beings. Students are exposed to the psychological facts, principles and phenomena associated with psychology. Content area include- research methods, behavior, sensation & perception, states of consciousness, and developmental, abnormal, and social psychology. This course is equivalent to an introductory university course in psychology. Students taking this course may elect to write the AP Psychology exam. Entrance to the course is based on previous academic performance.

AP STATISTICS 120

Learn about the major concepts and tools used for collecting, analyzing, and drawing conclusions from data. You will explore statistics through discussion and activities, and you will design surveys and experiments.
Skills you will learn:

- ✓ Selecting methods for collecting or analyzing data
- ✓ Describing patterns, trends, associations, and relationships in data
- ✓ Using probability and simulation to describe probability distributions and define uncertainty in statistical inference
- ✓ Using statistical reasoning to draw appropriate conclusions and justify claims

Recommended: NRF 10

AP WORLD HISTORY 120

In AP World History you will learn about the Global Tapestry, Networks of Exchange, Land-Based Empires, Transoceanic Interconnections, Revolutions, Consequences of Industrialization, Global Conflicts, Cold War and Decolonization, and Globalization. Course time frame is 1200 to present.

Alphabetical Listing of Courses

PowerSchool Login

For entering course selections

https://sisasdw.nbed.nb.ca/public/home.html

1. Log in using your school username and password
2. Click on **Course Registrations** on the left
1. In the top row entitled "Grade 10 Selections", click the pencil button to open the edit window.
4. Click the check boxes for your 10 courses and click "**Okay**" to close the window.
5. In the main window, click the "**Submit"** button to record your choices.

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myBlueprint

Need help finding a career path or post-secondary school that fits you? MyBlueprint can help. You may already have already accessed your account in Personal Wellness class but if not, you can follow the steps below. Under the "Who Am I" tab on the left, you'll find 5 surveys that can help guide you toward options suited to you. After completing the surveys, it is a good idea to book an appointment with your school counsellor to explore the results and the questions that follow.

1. Visit myBlueprint.ca/anglophonewest
2. Click "Sign Up"
3. Enter the activation code "Fredericton"
4. Choose "Student"
5. Select your current grade
6. Enter your Education Number (it's beside your name on your schedule)
7. Enter your birth date
8. Enter your email address and a password that you will remember. You may use your school email address and password if you wish.

UNB
UNIVERSITY OF NEW BRUNSWICK

FR Fredericton Campus
SJ Saint John Campus

NEW BRUNSWICK

ADMISSION REQUIREMENTS

FR SJ BACHELOR OF ARTS

English 122 (min. grade of 60%)
Four electives – Group 1
One elective – Group 1, 2 or 3
Minimum admission average 65%

FR BACHELOR OF APPLIED ARTS

English 122 (min. grade of 60%)
Four electives – Group 1
One elective – Group 1, 2 or 3
Minimum admission average 65%

The Bachelor of Applied Arts is offered in partnership with the New Brunswick College of Craft and Design

FR CONCURRENT BACHELOR OF ARTS/COMPUTER SCIENCE

English 122 (min. grade of 60%)
Pre-Calculus A 120 (min. grade of 65%)
Pre-Calculus B 120 (min. grade of 65%)
One of Biology 122, Chemistry 122 or Physics 122 (min. grade of 65%)
One elective – Group 1 (min. grade of 60%)
One elective – Group 1, 2, 3 or 4 (min. grade of 60%)
Minimum admission average 75%

FR CONCURRENT BACHELOR OF ARTS/SCIENCE

English 122
Pre-Calculus A 120
Pre-Calculus B 120
Chemistry 122 and one of Biology 122, Physics 122 or another provincially approved science
One elective – Group 1 or 2
Minimum admission average 75%
(The average of the marks in senior Mathematics, Chemistry and the best other science course must be at least 75%)

FR SJ BACHELOR OF ARTS AND SCIENCE

English 122
Pre-Calculus A 120
Pre-Calculus B 120
Chemistry 122 and one of Biology 122, Physics 122 or another provincially approved science
One elective – Group 1 or 2
Minimum admission average 75%
(The average of the marks in senior Mathematics, Chemistry and the best other science course must be at least 75%)

FR SJ BACHELOR OF BUSINESS ADMINISTRATION

English 122 (min. grade of 60%)
Pre-Calculus A 120 (min. grade of 60%)
Pre-Calculus B 120 (min. grade of 60%)
Two electives – Group 1 (min. grade of 60%)
One elective – Group 1, 2 or 3 (min. grade of 60%)
Minimum admission average 75%
See additional notes regarding eligibility with alternative math requirements.

FR BACHELOR OF COMPUTER SCIENCE

English 122 (min. grade of 60%)
Pre-Calculus A 120 (min. grade of 65%)
Pre-Calculus B 120 (min. grade of 65%)
One of Biology 122, Chemistry 122 or Physics 122 (min. grade of 65%)
One elective – Group 1 (min. grade of 60%)
One elective – Group 1, 2 or 4 (min. grade of 60%)
Minimum admission average 75%

SJ BACHELOR OF SCIENCE IN COMPUTER SCIENCE

English 122 (min. grade of 60%)
Pre-Calculus A 120 (min. grade of 65%)
Pre-Calculus B 120 (min. grade of 65%)
One of Biology 122, Chemistry 122 or Physics 122 (min. grade of 65%)
One elective – Group 1 (min. grade of 60%)
One elective – Group 1, 2 or 4 (min. grade of 60%)
Minimum admission average 75%

FR CONCURRENT BACHELOR OF COMPUTER SCIENCE/SCIENCE

English 122
Pre-Calculus A 120 (min. grade of 60%)
Pre-Calculus B 120 (min. grade of 60%)
Chemistry 122 and one of Biology 122, Physics 122 or another provincially approved science
Group 1, 2 or 4 (min. grade of 60%)
Minimum admission average 75%
(The average of the marks in senior Mathematics, Chemistry and the best other science course must be at least 75%)

FR SJ BACHELOR OF SCIENCE IN ENGINEERING

English 122 (min. grade of 70%)
Pre-Calculus A 120 (min. grade of 70%)
Pre-Calculus B 120 (min. grade of 70%)
Chemistry 122 (min. grade of 70%)
Physics 122 (min. grade of 70%)
One elective – Group 1, 2 or 4 (min. grade of 60%)
Minimum admission average 75%
Applicants with only one of Chemistry or Physics will be considered for admission into an entrance program

FR BACHELOR OF SCIENCE IN ENVIRONMENTAL MANAGEMENT

English 122
Foundations of Math 120 or Pre-Calculus 110 (min. grade of 70%)
Chemistry 122
Biology 122 or Physics 122
One elective – Group 1 or 2 (min. grade of 60%)
Minimum admission average 70%

FR BACHELOR OF SCIENCE IN FORESTRY

English 122
Foundations of Math 120 or Pre-Calculus 110 (min. grade of 70%)
Chemistry 122
Biology 122 or Physics 122
One elective – Group 1 or 2 (min. grade of 60%)
Minimum admission average 70%

FR BACHELOR OF GEOMATICS

English 122 (min. grade of 70%)
Pre-Calculus A 120 (min. grade of 70%)
Pre-Calculus B 120 (min. grade of 70%)
Two electives – Group 1 (Physics 122 recommended) (min. grade of 70%)
One elective – Group 1 (min. grade of 60%)
Minimum admission average 75%

SJ BACHELOR OF HEALTH

English 122 (min. grade of 60%)
Pre-Calculus 110 or Foundations of Mathematics 120
One of Biology 122, Chemistry 122 or Physics 122
One elective – Group 1 or 2
One elective – Group 1, 2 or 3
Minimum admission average 75%

SJ BACHELOR OF HEALTH SCIENCES

English 122 (min. grade of 60%)
Pre-Calculus A 120
Pre-Calculus B 120
Chemistry 122
Physics 112
One elective – Group 1 or 2
Minimum admission average 75%
(The average of the marks in senior Mathematics, Chemistry and the best other science course must be at least 75%)

FR BACHELOR OF SCIENCE IN KINESIOLOGY

English 122 (min. grade of 60%)
Pre-Calculus A 120
Pre-Calculus B 120
Two of Biology 122, Chemistry 122 or Physics 122
One elective – Group 1, 2, 3 or 5
Minimum admission average 75%

FR BACHELOR OF MEDICAL LABORATORY SCIENCE

High school students must complete one year of general science courses prior to being assessed for the MLS program. Interested students should apply to the Bachelor of Science program.

FR SJ BACHELOR OF NURSING

English 122 (min. grade of 70%)
Pre-Calculus 110 or Foundations of Mathematics 120 (min. grade of 70%)
Biology 122 (min. grade of 70%)
Chemistry 122 (min. grade of 70%)
Two electives – Group 1
Minimum admission average 75%
All applicants to nursing programs will be required to write the Casper Test. Admission decisions will be based on the applicant's academic average (65% weight) and the Casper score (35% weight).

FR BACHELOR OF PHILOSOPHY IN INTERDISCIPLINARY LEADERSHIP

English 122 (min. grade of 75%)
Four electives – Group 1
One elective – Group 1, 2 or 3
Minimum admission average 75%

The Bachelor of Philosophy in Interdisciplinary Leadership is offered through the Faculty of Leadership Studies (Renaissance College)

FR BACHELOR OF RECREATION AND SPORTS STUDIES

English 122 (min. grade of 60%)
Foundations of Mathematics 120 or Precalculus 110
One of Biology 122, Chemistry 122 or Physics 122
Two electives – Group 1
One elective – Group 1, 2, 3 or 5
Minimum admission average 75%

FR SJ BACHELOR OF SCIENCE

English 122
Pre-Calculus A 120
Pre-Calculus B 120
Chemistry 122 and one of Biology 122, Physics 122 or another provincially approved science
One elective – Group 1 or 2
Minimum admission average 75%
(The average of the marks in senior Mathematics, Chemistry and the best other science course must be at least 75%)

FR SJ BACHELOR OF SCIENCE IN SOFTWARE ENGINEERING

English 122 (min. grade of 70%)
Pre-Calculus A 120 (min. grade of 70%)
Pre-Calculus B 120 (min. grade of 70%)
Chemistry 122 (min. grade of 70%)
Physics 122 (min. grade of 70%)
One elective – Group 1, 2 or 4 (min. grade of 60%)
Minimum admission average 75%
Applicants with only one of Chemistry or Physics will be considered for admission into an entrance program

QUESTIONS? CONTACT US AT CHOOSEUNB@UNB.CA

ELECTIVES

GROUP 1

Agriculture 110
Anglais 22411
Anglais langue seconde 25411
AP Research & AP Seminar
Astronomie 50411
Biology 122
Biologie 53411
Calculus 120
Canadian Literature 120
Chemistry 122
Chimie 53411
Co-op Education 120
Computer Science 110 or 120
Droit 54411
Economics 120
Économie 64411
Éducation coopérative 58411
Environmental Science 122
Environmental Geoscience 110
Espagnol 23411
Essential Skills Pathway Program (Capstone)
FILA 120
Forestry 110
Foundations of Mathematics 120 (for admission to Arts and Applied Arts only)
Français 10421
French 122
Géographie du monde 41411
Geography 110 or 120
Geology 120
Histoire 42311 or 42411
History 112 or 122
Human Physiology 110
Human Anatomy 120
Indigenous Studies 120
Informatique et Société 62311A
Institutions politiques, économiques et juridiques 42411
Introduction à la foresterie 02411
Introduction to Environmental Science 120
Introductory Mi'kmaw Language 110
Introductory Wolastoqey Lèkwiwakon 110
Journalism 120
Latin 120
Law 120
Mandarin 120
Marine Biology 120
Mathématiques 30411C or 30421C
Mathématiques 20231N
Oceanography 120
Peuple Wabanaki 45611A
Physics 122
Physique 01411/01421
Political Science 120
Popular Music 120
Pre-Calculus 110 (for admission to Arts and Applied Arts only)
Pre-Calculus A 120 & B 120
Psychology 120
Reading Tutor 120
Science 122
Science de l'environnement 54411
Sociology 120
Spanish 120
Statistique 21411
Stats 120
World Issues 120
Writing 110

GROUP 2

Accounting 120
Accounting 120 (computerized)
Business Organization & Management 120
Comptabilité 54411
Entrepreneuriat 52411
Indigenous Studies 120
Introduction to Accounting 120
Marketing 122

GROUP 3

Art 110 or 120
Art 91411
Communications 120 (Media Studies 120)
École des médias 11411
FI Techniques in Communication120
FI Techniques in Fine Arts 110
Music 111, 112 or Music 122
Musique 92411
Technologie du design 02411
Theatre Arts 120 (Drama 120)
Théâtre 93411

GROUP 4

Computer Aided Drafting 120
Cybersecurity 120
Dessin industriel 67311
Électricité 61311
Introduction to Electronics 110
Introduction à la programmation 02411
Micro Electronics 120
Robotics & Technology 120

GROUP 5

Éd. physique 71411
Exercise Science 120
Health & Physical Education 120
Introduction aux soins de santé 07411
Introduction to Kinesiology 120
Leadership 71421
Nutrition for Healthy Living 120

ADDITIONAL NOTES

Courses taken at a higher or advanced level (including IB or AP courses) will be accepted for admission purposes and may be eligible for bonus points towards applicants' scholarship average.

UNB Saint John Bachelor of Business Administration applicants who do not meet the pre-calculus admission requirements may be considered for admission if they have grade 12 Foundations of Math (or equivalent) with a grade of 70% or higher.

SCAN THIS CODE TO VIEW REQUIREMENTS ONLINE