

RHS COURSE VIEWBOOK

Class of 2026 and beyond



RHS WEBSITE

ALL COURSE INFORMATION CAN BE FOUND ON THE RHS WEBSITE UNDER THE “COURSE INFORMATION 2024-2025” → “VIEWBOOK CLASS OF 2026 AND BEYOND”



TABLE OF CONTENTS

Please use CONTROL + f
to search for specific course
titles/names



IMPORTANT INFORMATION



GRADUATION REQUIREMENTS

(2026 AND BEYOND)



GRADUATE IN NEW BRUNSWICK, STUDENTS NEED:

- A MINIMUM OF 100 CREDIT HOURS
- EACH COURSE PASSED COUNTS AS 4 CREDIT HOURS
- STUDENT CHOICES MUST MEET THE REQUIRED CREDIT HOUR TOTALS FOR EACH CLUSTER (AS OUTLINE ON THE COURSE REQUESTING PLANNING SHEET/GRADE REQUIREMENT CHECK LIST & IN THIS PRESENTATION)
- COURSES CANNOT BE COUNTED IN MORE THAN ONE CLUSTER

COURSES THAT ARE REQUIRED FOR GRADUATION AND THEREFORE MUST BE PASSED BY ALL STUDENTS ARE:

- ✓ ENGLISH LANGUAGE ARTS GRADE 10 FOUNDATIONS
- ✓ ENGLISH LANGUAGE ARTS GRADE 11 FOUNDATIONS
- ✓ ENGLISH LANGUAGE ARTS GRADE 12 FOUNDATIONS
- ✓ POST INTENSIVE FRENCH 10 OR FRENCH IMMERSION LANGUAGE ARTS 10
- ✓ CIVICS 10 OR FRENCH IMMERSION CIVICS 10
- ✓ GEOMETRY MEASUREMENT, AND FINANCE (GMF) 10 OR FRENCH IMMERSION GMF 10

***** STUDENTS IN FRENCH IMMERSION REQUIRE 40 CREDIT HOURS IN FRENCH *****

COURSE REQUESTING PLANNING SHEET/GRAD CHECK LIST

High School Roadmap Document – Grads of 2026 and On (Graduation Requirements & Course Requesting Information)



- Students must pass a minimum of 300 Credit Hours to graduate.
- Each course passed counts as 4 Credit Hours.
- Your choices must meet the required Credit Hour totals for each cluster as outlined in column 2.
- Please note: some courses (in bold) are required for graduation.
- Students in French Immersion need 80 credit hours in French.

Course Clusters	Req. CrH	Courses (courses cannot be counted to more than one area)
Languages & Literacies	24	Required (16 credit hours): <input checked="" type="checkbox"/> ELA 10 Foundations <input checked="" type="checkbox"/> ELA 11 Foundations <input checked="" type="checkbox"/> PFL 10 OR FLA 10 <input checked="" type="checkbox"/> ELA 12 Foundations Options (minimum 8 additional credit hours): <input type="checkbox"/> AP English Literature 120 <input type="checkbox"/> FI Media Studies 120 <input type="checkbox"/> Canadian Literature 120 <input type="checkbox"/> Journalism 120 <input type="checkbox"/> ELA 10 Extended (Unbound) <input type="checkbox"/> Media Studies 120 <input type="checkbox"/> ELA 11 Extended (Unbound) <input type="checkbox"/> Post Intensive French 120 <input type="checkbox"/> ELA 12 Extended (Unbound) <input type="checkbox"/> Post Intensive French 120 <input type="checkbox"/> FLA 11 <input type="checkbox"/> Reading Tutor 120 <input type="checkbox"/> FLA 12 <input type="checkbox"/> Writing 120
Humanities	8	Required (4 credit hours): <input checked="" type="checkbox"/> Civics 10 OR <input checked="" type="checkbox"/> FI Civics 10 Options (minimum 4 additional credit hours): <input type="checkbox"/> AP European History 120 <input type="checkbox"/> FI Modern History 112 <input type="checkbox"/> AP Research 120 (8 CrH – full year) <input type="checkbox"/> FI World Issues 120 <input type="checkbox"/> AP Seminar 120 (8 CrH – full year) <input type="checkbox"/> Indigenous Studies 120 <input type="checkbox"/> Canadian Geography 120 <input type="checkbox"/> Law 120 <input type="checkbox"/> Canadian History 122 <input type="checkbox"/> Modern History 112/3 <input type="checkbox"/> Political Science 120 <input type="checkbox"/> Sociology 120 <input type="checkbox"/> World Issues 120
Mathematics	12	Required (4 credit hours): <input checked="" type="checkbox"/> GMF 10 OR <input checked="" type="checkbox"/> FI GMF 10 Options (minimum 8 additional credit hours): <input type="checkbox"/> AP Calculus 120 <input type="checkbox"/> Foundations Math 110 <input type="checkbox"/> AP Statistics 120 <input type="checkbox"/> Foundations Math 120 <input type="checkbox"/> Calculus 120 <input type="checkbox"/> NRF 30 <input type="checkbox"/> FI Foundations Math 110 <input type="checkbox"/> NBCE Skilled Trades Math 120 <input type="checkbox"/> Finance & Workplace Math 110 <input type="checkbox"/> Pre-Calculus Math 110 <input type="checkbox"/> Finance & Workplace Math 120 <input type="checkbox"/> Pre-Calculus 120A <input type="checkbox"/> FI NRF 10 <input type="checkbox"/> Pre-Calculus 120B <input type="checkbox"/> FI Pre-Calculus Math 110
Sciences	8	Options <input type="checkbox"/> AP Biology 120 <input type="checkbox"/> FI Science for Sustainable Societies <input type="checkbox"/> AP Chemistry 12 <input type="checkbox"/> Human Physiology 110 <input type="checkbox"/> Biology 111/2 <input type="checkbox"/> Intro to Electronics 110 <input type="checkbox"/> Biology 121/2 <input type="checkbox"/> Intro to Environments Science 120 <input type="checkbox"/> Chemistry 111/2 <input type="checkbox"/> Science for Sustainable Societies 10 <input type="checkbox"/> Chemistry 121/2 <input type="checkbox"/> Physics 111/2 <input type="checkbox"/> Environmental Geoscience 110 <input type="checkbox"/> Physics 121/2

Course Clusters	Req. CrH	Courses (courses cannot be counted to more than one area)
Creative Arts	4	Options <input type="checkbox"/> Creative Arts 110 <input type="checkbox"/> Media Studies 120 <input type="checkbox"/> Digital Production 120 <input type="checkbox"/> Music 10 <input type="checkbox"/> Dramatic Arts 110 <input type="checkbox"/> Music 111/2 <input type="checkbox"/> Dramatic Arts 120 <input type="checkbox"/> Music 122 <input type="checkbox"/> Graphic Art & Design 110 <input type="checkbox"/> Visual Arts 10 <input type="checkbox"/> <input type="checkbox"/> Visual Arts 110 <input type="checkbox"/> <input type="checkbox"/> Visual Arts 120
Wellness & Physical Education	4	Options <input type="checkbox"/> AP Psychology 120 <input type="checkbox"/> Outdoor Education 110 <input type="checkbox"/> FI Individual Family Dynamics 120 <input type="checkbox"/> Physical Education 10 <input type="checkbox"/> Health Care 110 <input type="checkbox"/> Psychology 120 <input type="checkbox"/> Individual Family Dynamics 120 <input type="checkbox"/> Sport and Recreation Leadership 120 <input type="checkbox"/> Nutrition for Healthy Living 120 <input type="checkbox"/> Wellness through Physical Ed 110 <input type="checkbox"/> <input type="checkbox"/> Yoga 110
Career-Connections	4	Career Options <input type="checkbox"/> Career Pathway Design 10 <input type="checkbox"/> Coop 120 Information and Communication Technology Options <input type="checkbox"/> Computer Aided Design 110 <input type="checkbox"/> Digital Production 120 <input type="checkbox"/> Computer Science 110 <input type="checkbox"/> Information Technology 120 <input type="checkbox"/> Computer Science 120 <input type="checkbox"/> Robotics & Automated Process. 120 <input type="checkbox"/> Cybersecurity 120 Occupational Options <input type="checkbox"/> Agriculture 110 <input type="checkbox"/> Hospitality and Tourism 110 <input type="checkbox"/> Business Org. Management 120 <input type="checkbox"/> Intro to Accounting 120 <input type="checkbox"/> Early Childhood Services 110 <input type="checkbox"/> Early Childhood Services 120 <input type="checkbox"/> Entrepreneurship 110 Skilled Trades Options <input type="checkbox"/> Culinary Technology 110 <input type="checkbox"/> Mill and Cabinet Work 120 <input type="checkbox"/> Culinary Technology 120 <input type="checkbox"/> Residential Finishing 120 <input type="checkbox"/> Electrical Wiring 110 <input type="checkbox"/> Electrical Wiring 120 <input type="checkbox"/> Framing and Sheathing 110 <input type="checkbox"/> Intro to Applied Tech 110
Additional Electives	8	Minimum of 8 additional credit hours from the Personal Well-Being electives above.
Core Cluster Electives	28	Minimum of 28 additional credit hours from any of the options above (any cluster).
Local Option Courses (max. 8 hrs can count toward total)		<input type="checkbox"/> Women Media & Culture 120 <input type="checkbox"/> Song & Society

Courses that require an application:

- COOP 120
- Idea Centre
- Outdoor Education 110
- Personal Interest Course 1 & 2
- Sport & Recreation Leadership 120
- Yearbook 120

These courses cannot be requested on PowerSchool. Instead, you will request 30 courses and 2 alternates as usual, and then also apply for the courses you want. If you are accepted, the courses will be added to your schedule.

PLANNING



- **YOU NEED TO THINK ABOUT THE FUTURE**
- **IF YOU HAVE AN IDEA FOR WHERE YOU'RE GOING, YOU WILL PICK THE RIGHT COURSES FROM THE BEGINNING**
- **WE HAVE HAD SOME STUDENTS REALIZE THAT THEY DON'T HAVE WHAT THEY NEED TO GET INTO A PARTICULAR UNIVERSITY OR COMMUNITY COLLEGE PROGRAM... AND HAVE HAD TO UPGRADE COURSES AFTER GRADUATION.**

COURSE LEVELS

ENGLISH 112

Year

Level

COURSE LEVELS

WRITING 110

Year

Level



COURSE LEVELS

LEVEL 1 = UNIVERSITY PREP (ENRICHED)

LEVEL 2 = UNIVERSITY/COLLEGE PREP

LEVEL 3 = COLLEGE PREP

COURSE LEVELS

LEVEL 0 = ONE LEVEL ONLY

EXAMPLES:

WRITING 110:

- EVERYONE CAN TAKE THIS COURSE
- SOME 120 COURSES CAN COUNT AS UNIVERSITY ADMISSIONS ELECTIVES

AP COURSES:

- AP COURSES ARE LEVEL 0
- AP MEANS ADVANCED PLACEMENT
- AP COURSES ARE UNIVERSITY LEVEL COURSES
- ADDITIONAL INFORMATION ON AP COURSES CAN BE FOUND AT THE END OF THIS PRESENTATION



COURSE LEVELS



HOW WILL YOU KNOW WHAT LEVEL TO CHOOSE?

ASK YOUR SUBJECT TEACHER FOR ADVICE AND CONSIDER YOUR PASSION FOR THE SUBJECT.

COURSE LEVELS

PREFERRED PATHWAYS

EXAMPLE:

VISUAL ARTS 10 → VISUAL ARTS 110 → VISUAL ARTS 120



COURSE OFFERINGS @RHS



CLUSTER: LANGUAGE ARTS

(24 CREDIT HOURS REQUIRED)



CLUSTER: LANGUAGES AND LITERACIES



Course options for next year's grade 10's

LANGUAGE AND LITERACIES (ENGLISH)		
	English 10 – Enriched AP Pathway	8ch
	English Language Arts 10 Foundations (required)	4ch
	English Language Arts10 Extended (recommended)	4ch
LANGUAGE AND LITERACIES (FRENCH) - Required		
	Post Intensive French 10	4ch
	French Immersion Language Arts 10	4ch
LANGUAGE AND LITERACY ELECTIVES		
	Writing 110	4ch
	Spanish 110	4ch

Course options for next year's grade 11's

All students must pass ELA 10 Foundations, ELA 11 Foundations, ELA 12 Foundations, PIF 10 or FILA 10, plus a minimum of 8 additional credit hours from this cluster.

✓	Course	Credit hours
	English 111 Foundations + Extended + AP Seminar	12
	English 112 Foundations (required)	4
	English 113 Foundations (required)	4
LANGUAGES & LITERACIES ELECTIVES		
	English 11 Extended (recommended)	4
	FI Language Arts 11 (Grade 3 entry)	4
	FI Language Arts 11 (Grade 6 entry)	
	FI/FSL Techniques de communications 110	4
	Journalism 120	4
	Media Studies 120	4
	Post-Intensive French 110	4
	Writing 110	4
	Spanish 110	4

AP ENGLISH LITERATURE 120



Learn how to understand and evaluate works of fiction, poetry, and drama from various periods and cultures. You'll read literary works and write essays to explain and support your analysis of them.

Course Content:

Unit 1: Short Fiction I

Unit 2: Poetry I

Unit 3: Longer Fiction or Drama I

Unit 4: Short Fiction II

Unit 5: Poetry II

Unit 6: Longer Fiction or Drama II

Unit 7: Short Fiction III

Unit 8: Poetry III

Unit 9: Longer Fiction or Drama III

Prerequisite: English 121

AP SEMINAR 120 (COMBINED WITH ENGLISH FOUNDATIONS 111 + ENGLISH 11 EXTENDED)



Develop and practice the skills in research, collaboration, and communication that you'll need in any academic discipline. You'll investigate topics in a variety of subject areas, write research-based essays, and design and give presentations both individually and as part of a team.

Course Content

Big Idea 1: Question and Explore

Big Idea 2: Understand and Analyze

Big Idea 3: Evaluate Multiple Perspectives

Big Idea 4: Synthesize Ideas

Big Idea 5: Team, Transform, and Transmit

ENGLISH LANGUAGE ARTS 10, 11 EXTENDED (UNBOUND)



- EXTENDED IS AN INVITATION FOR STUDENTS TO EXPLORE THEIR INTERESTS, HOBBIES, AND VALUES THROUGH A PERSONALIZED OR 'UNBOUND' LITERACY LENS. STUDENTS CAN EXTEND THEIR LITERACY KNOWLEDGE BY CHOOSING THEIR OWN TOPICS, GENRES, AND TEXTS TO PURSUE STUDENT-LED STUDIES.
- YOUR INTERESTS. YOUR VALUES. YOUR CHOICE

FRENCH IMMERSION LANGUAGE ARTS (FILA) 110 & 120



- THIS COURSE EMPHASIZES COMMUNICATION TO FOSTER GROWTH OF THE LANGUAGE SKILLS: LISTENING, SPEAKING, READING, AND WRITING.
- IT ENCOURAGES THE USE OF THE LANGUAGE AS A VEHICLE FOR COMMUNICATION AND REFLECTION, AND AS A FACTOR IN THE STUDENT'S PERSONAL DEVELOPMENT.
- IT WILL ALSO INCREASE THE STUDENT'S CULTURAL KNOWLEDGE AND EXPERIENCE.
- THIS COURSE WILL DEAL WITH THE FOLLOWING ASPECTS: VOCABULARY, ORAL EXPRESSION, COMPOSITION, LITERATURE, AND CULTURE.

FI/FSL TECHNIQUE DE COMMUNICATION 110



This is a practical course that is designed to increase learner confidence when speaking and interacting through the authentic use of the French language. While it contains elements of reading and viewing (15%), as well as writing (15%), the primary purpose of the course is to promote the development of oral competencies (70%). These skills include oral comprehension (listening), oral production (self-expression), and oral interaction (taking part in conversation)

JOURNALISM 120



Students will study print and electronic journalism.

Students need to have a good understanding of ethics, democracy and freedom of speech.

This is an English Language Arts elective and as such students should have good reading and writing skills.



MEDIA STUDIES 120



Students will study all facets of the media including television, film, internet and social media.

This is an English Language Arts elective and as such students should have good reading and writing skills and be comfortable speaking and presenting in front of the class.

This is a project-based class. Students must know how to film and edit their own videos.



WRITING 110



Writing 110 provides an opportunity for motivated students to hone their writing skills by taking part in a variety of writing activities including, but not limited to, creative non-fiction, fiction, and poetry.

We will explore the qualities of great writing by reading and practice our skills by writing. Students work will be assessed throughout the course and culminate in a portfolio.



SPANISH 110



Spanish 110 is an introduction to the basic elements of the Spanish language and Hispanic culture.

CLUSTER: MATHEMATICS

(12 CREDIT HOURS REQUIRED)



CLUSTER: MATHEMATICS



Mathematics	12	Required (4 credit hours)	
		✓ GMF 10	✓ FI GMF 10
		Options (minimum 8 additional credit hours):	
		<input type="checkbox"/> AP Calculus 120	<input type="checkbox"/> Foundations Math 110
		<input type="checkbox"/> AP Statistics 120	<input type="checkbox"/> Foundations Math 120
		<input type="checkbox"/> Calculus 120	<input type="checkbox"/> NRF 10
		<input type="checkbox"/> FI Foundations Math 110	<input type="checkbox"/> NBCC Skilled Trades Math 120
		<input type="checkbox"/> Finance & Workplace Math 110	<input type="checkbox"/> Pre-Calculus Math 110
		<input type="checkbox"/> FI NRF 10	<input type="checkbox"/> Pre-Calculus 120A
		<input type="checkbox"/> FI Pre-Calculus Math 110	<input type="checkbox"/> Pre-Calculus 120B

MATH PATHWAYS



STRAIGHT TO GRADUATION

- GRADE 9 A
- GRADE 9 B
- GEOMETRY, MEASUREMENT AND FINANCE 10
- FINANCIAL AND WORKPLACE MATH 110
- NBCC SKILLED TRADES MATH 120

Graduation PLUS

- Grade 9 A
- Grade 9 B
- Geometry, Measurement and Finance 10
- Numbers Relations and Functions 10
- Foundations Math 110
- Foundations Math 120

Graduation and keeping my options open!

- Grade 9 A
- Grade 9 B
- Geometry, Measurement and Finance 10
- Numbers Relations and Functions 10
- Foundations Math 110
- Pre-Calculus 110
- Pre-Calculus A 120
- Pre-Calculus B 120
- Calculus 120
- AP Calculus
- AP Statistics

MATH PATHWAYS... MORE INFORMATION

Math Options

To graduate, all students need 2 math classes, in addition to Geometry, Measure and Finance 10.

Finance and Workplace Pathway

This pathway is organized for students who plan to take post-secondary programs that require applied mathematics, such as some community college programs, a Bachelor of Arts, or who plan to enter the workforce directly after high school.

Grade 10, 11 & 12
<ul style="list-style-type: none"><input type="checkbox"/> Geometry, Measurement and Finance 10<input type="checkbox"/> Financial and Workplace Math 110<input type="checkbox"/> Financial and Workplace Math 120 <u>or</u> NBCC Skilled Trades and Work Ready Math 120

MATH PATHWAYS... MORE INFORMATION

Foundations Pathway

This pathway is organized for students who plan to take post-secondary academic programs that do not require calculus. This will satisfy entrance requirements for some community college and university programs such as a Bachelor of Arts, and some Bachelor of Commerce programs.

Grade 10, 11 & 12
<ul style="list-style-type: none"><input type="checkbox"/> Geometry, Measurement and Finance 10<input type="checkbox"/> Numbers Relations and Functions 10<input type="checkbox"/> Foundations Math 110<input type="checkbox"/> Foundations Math 120

MATH PATHWAYS... MORE INFORMATION

Pre-Calculus Pathway

This pathway is organized for students who plan to take post-secondary programs that require calculus. This will satisfy entrance requirements for university programs such as a Bachelor of Science and Engineering.

Grade 10, 11 & 12
<ul style="list-style-type: none"><input type="checkbox"/> Geometry, Measurement and Finance 10<input type="checkbox"/> Numbers Relations and Functions 10<input type="checkbox"/> Foundations Math 110<input type="checkbox"/> Pre-Calculus 110<input type="checkbox"/> Pre-Calculus A 120<input type="checkbox"/> Pre-Calculus B 120<input type="checkbox"/> Calculus 120

MATH PATHWAYS... MORE INFORMATION

AP Calculus Pathway

Are you the kind of student who:

- ☐ is highly motivated?
- ☐ loves math?
- ☐ enjoys a challenge?
- ☐ wants to explore math concepts at a deeper level?

You might be interested in taking **Advanced Placement Calculus 120** in your grade 12 year!

AP Calculus is a university calculus course. At the end of the course students write an external exam which may give them credit at some universities.

Grade 10	Grade 11	Grade 12
Three courses will be taught over semester 1 and 2. <ul style="list-style-type: none"><input type="checkbox"/> Geometry, Measure and Finance 10<input type="checkbox"/> Numbers, Relations, and Functions 10<input type="checkbox"/> Foundations 11	<ul style="list-style-type: none"><input type="checkbox"/> Pre-Calculus 110 (semester 1)<input type="checkbox"/> Pre-Calculus 12A and Pre-Calculus 12B will be taken concurrently (semester 2)	<ul style="list-style-type: none"><input type="checkbox"/> Calculus 120 (semester 1)<input type="checkbox"/> Calculus AP (semester 2)

Course Content:

- Unit 1: Limits and Continuity
- Unit 2: Differentiation: Definition and Fundamental Properties
- Unit 3: Differentiation: Composite, Implicit, and Inverse Functions
- Unit 4: Contextual Applications of Differentiation
- Unit 5: Analytical Applications of Differentiation
- Unit 6: Integration and Accumulation of Change
- Unit 7: Differential Equations
- Unit 8: Applications of Integration



AP STATISTICS 120

AP STATISTICS IS AN INTRODUCTORY COLLEGE LEVEL STATISTICS COURSE THAT INTRODUCES STUDENTS TO THE MAJOR CONCEPTS AND TOOLS FOR COLLECTING, ANALYZING, AND DRAWING CONCLUSIONS FROM DATA. STUDENTS CULTIVATE THEIR UNDERSTANDING OF STATISTICS USING TECHNOLOGY, INVESTIGATIONS, PROBLEM SOLVING, AND WRITING AS THEY EXPLORE CONCEPTS LIKE VARIATION AND DISTRIBUTION; PATTERNS AND UNCERTAINTY; AND DATA-BASED PREDICTIONS, DECISIONS, AND CONCLUSIONS.



CALCULUS 120



THIS COURSE WILL PREPARE A STUDENT FOR UNIVERSITY CALCULUS BY BUILDING A STRONG FOUNDATION IN THE BASICS REQUIRED TO STUDY CALCULUS.

THIS IS IT, YOU MADE IT. *HOLD ON TIGHT.*

TOPICS INCLUDE:

- PRE CALCULUS REVIEW
- LIMITS
- DEFINITION OF DERIVATIVE
- DIFFERENTIATION RULES FOR SUMS/DIFFERENCES
- PRODUCTS AND QUOTIENTS
- CHAIN RULE
- IMPLICIT DIFFERENTIATION
- DERIVATIVES OF TRIG FUNCTIONS
- LOGARITHMIC AND EXPONENTIAL FUNCTIONS
- MEAN VALUE THEOREM
- RELATED RATES
- OPTIMIZATION PROBLEMS
- GRAPHING
- INTEGRALS OF INCREASE/DECREASE
- CONCAVITY
- CRITICAL POINTS
- INFLECTION POINTS AND SO MUCH MORE!

FINANCE AND WORKPLACE MATH 110



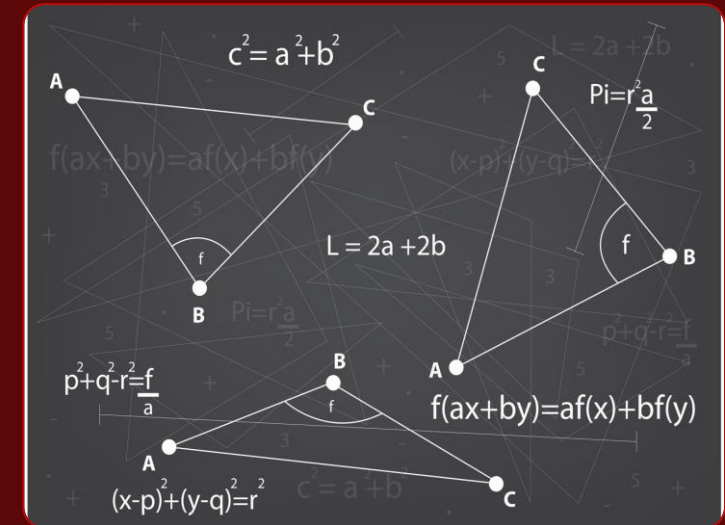
- THIS COURSE IS DESIGNED TO PROVIDE STUDENTS WITH THE MATHEMATICAL UNDERSTANDINGS AND CRITICAL-THINKING SKILLS IDENTIFIED FOR ENTRY INTO SOME COLLEGE PROGRAMS AND FOR DIRECT ENTRY INTO THE WORKFORCE.
- THE AIM OF THIS COURSE IS TO DEVELOP SPATIAL SENSE THROUGH DIRECT AND INDIRECT MEASUREMENT, NUMBER SENSE AND CRITICAL THINKING SKILLS, ALGEBRAIC AND STATISTICAL REASONING AND CRITICAL THINKING SKILLS RELATED TO UNCERTAINTY.



FOUNDATIONS 110 & FRENCH IMMERSION FOUNDATIONS 110



- THIS IS A ONE SEMESTER COURSE DESIGNED FOR STUDENTS WHO ARE INTERESTED IN ATTENDING UNIVERSITY OR CERTAIN PROGRAMS IN COLLEGE.
- TOPICS INCLUDE:
 - PROPORTIONAL REASONING
 - LOGICAL REASONING
 - GEOMETRY
 - LINEAR SYSTEMS
 - QUADRATICS
 - FINANCIAL MATHEMATICS



FOUNDATIONS 120



- CAN BE TAKEN IN PLACE OF PRE-CALCULUS 110 FOR ADMISSIONS INTO MOST NURSING PROGRAMS AT UNIVERSITY
- IS AN ADMISSIONS REQUIREMENT FOR MOST BUSINESS PROGRAMS IN NOVA SCOTIA AND NEW BRUNSWICK
- IS A GOOD OPTION FOR AN UPPER-LEVEL MATH COURSE
- COURSE CONTENT INCLUDES:
 - PROBABILITY
 - STATISTICS
 - POLYNOMIAL FUNCTIONS

GEOMETRY MEASUREMENT AND FINANCE 10



- **COURSE CONTENT:** THIS COURSE WILL FOCUS ON:
- GEOMETRY: THE PYTHAGOREAN THEOREM AND TRIGONOMETRY
- MEASUREMENT: CONVERSIONS AND 1 AND 2-DIMENSIONAL MEASUREMENTS
- FINANCE: EARNING AND SPENDING MONEY.

***THIS COURSE IS A GRADUATION REQUIREMENT**

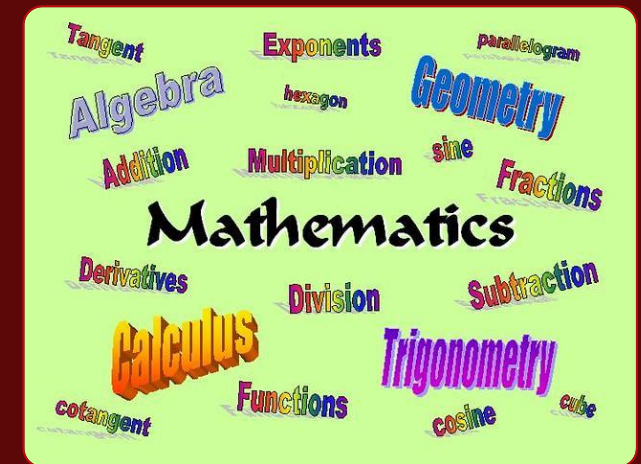
NUMBERS, RELATIONS & FUNCTIONS (NRF) 10 & FI/FSL NUMBERS, RELATIONS & FUNCTIONS 10



- NUMBERS, RELATIONS AND FUNCTIONS 10 IS A ONE SEMESTER COURSE DESIGNED TO TEACH STUDENTS THE SKILLS NECESSARY TO MOVE INTO THE FOUNDATIONS OR PRE-CALCULUS PATHWAY. STUDENTS WILL BUILD UPON PREVIOUS KNOWLEDGE OF EXPONENTS, POLYNOMIALS, SQUARE AND CUBE ROOTS, AND LINEAR RELATIONS. THEY WILL ALSO BE INTRODUCED TO NEW TOPICS SUCH AS FACTORING, DOMAIN AND RANGE, REPRESENTING AND IDENTIFYING FUNCTIONS AS WELL AS GRAPHING LINEAR EQUATIONS.

NBCC SKILLS TRADE WORK READY MATH 120

- THIS IS A ONE SEMESTER COURSE DESIGNED FOR STUDENTS WHO ARE INTERESTING IN ATTENDING ONE OF THE TRADES PROGRAMS AT NBCC.
- SUCH AS:
 - BRICKLAYING, CARPENTRY, ELECTRICAL: CONSTRUCTION, ELECTRICAL: INDUSTRIAL, FUELS TECHNICIAN, HVAC: SHEET METAL FABRICATION, INDUSTRIAL MECHANICS, MECHANICAL TECHNICAL, PLUMBING, REFRIGERATION AND AIR CONDITIONING, STEAM FITTING/PIPEFITTING.
 - CNC MACHINING, MACHINIST, STEEL FABRICATION, WELDING, WELDING AND METAL FABRICATION, WELDING TECHNOLOGY.
 - AGRICULTURAL EQUIPMENT REPAIR, AUTO BODY AND COLLISION TECHNICAL, AUTOMOTIVE SERVICE TECHNICAL, AUTOMOTIVE TECHNOLOGY, HEAVY EQUIPMENT SERVICE TECHNICIAN, MARINE DIESEL MECHANICS, MOTORCYCLE REPAIR, TRUCK AND TRANSPORT SERVICE TECHNICIAN.



PRE-CALCULUS 110 /FI PRE-CAL. 110



- THIS COURSE IS DESIGNED FOR STUDENTS WHO ARE INTERESTED IN ATTENDING UNIVERSITY OR COMMUNITY COLLEGE AND TAKING POST-SECONDARY PROGRAMS THAT REQUIRE MATHEMATICS.
- SPECIFICALLY, THIS PATHWAY IS DESIGNED TO PROVIDE STUDENTS WITH THE MATHEMATICAL UNDERSTANDINGS AND CRITICAL-THINKING SKILLS IDENTIFIED FOR ENTRY INTO POST-SECONDARY PROGRAMS THAT REQUIRE THE STUDY OF CALCULUS.
- COURSE CONTENT INCLUDES:
 - QUADRATIC FUNCTIONS
 - QUADRATIC EQUATIONS
 - QUADRATIC SYSTEMS
 - QUADRATIC INEQUALITIES
 - ABSOLUTE VALUE FUNCTIONS
 - RADICALS
 - RATIONAL
 - CATESIAN TRIGONOMETRY

- [illegible]

PRE-CALCULUS 120 B



- THIS COURSE IS REQUIRED FOR MOST SCIENCE, BUSINESS AND ENGINEERING DEGREES
- THIS COURSE INTENDS TO PREPARE STUDENTS FOR THE STUDY OF CALCULUS BY DEEPENING THEIR UNDERSTANDING OF POLYNOMIAL AND RATIONAL FUNCTIONS, AS WELL AS DEVELOPING AN UNDERSTANDING SEQUENCES, SERIES, COMBINATORICS AND LIMITS.
- TOPICS INCLUDE:
 - COMBINATORICS
 - SEQUENCES AND SERIES
 - POLYNOMIAL FUNCTIONS
 - GRAPHING RATIONAL FUNCTIONS
 - FUNCTION COMBINATIONS AND COMPOSITIONS
 - LIMITS

$$\begin{aligned} R_n &= \int_{R_n} f(x, \theta) dx = \int_{R_n} \frac{\partial}{\partial \theta} T(x) f(x, \theta) dx \\ f_{a, \sigma^2}(\xi_1) &= \frac{(\xi_1 - a)}{\sigma^2} f_{a, \sigma^2}(\xi_1) = \frac{1}{\sqrt{2\pi}} \\ \frac{\partial}{\partial \theta} f(x, \theta) dx &= M \left(T(\xi) \cdot \frac{\partial}{\partial \theta} \ln L(\xi, \theta) \right) \\ \frac{\partial}{\partial \theta} \ln L(x, \theta) \cdot f(x, \theta) dx &= \int_{R_n} T(x) \cdot \left(\frac{\partial}{\partial \theta} \frac{f(x, \theta)}{f(x, \theta)} \right) \\ f(x) &= \frac{\partial}{\partial \theta} \int_{R_n} T(x) f(x, \theta) dx = \int_{R_n} \frac{\partial}{\partial \theta} T(x) f(x, \theta) \end{aligned}$$

CLUSTER: HUMANITIES

(8 CREDIT HOURS REQUIRED)



CLUSTER: HUMANITIES



Humanities	8	Required (4 credit hours):	
		✓ Civics	✓ FI Civics
		<u>OR</u>	
		Options (minimum 4 additional credit hours):	
		<input type="checkbox"/> AP European History 120	<input type="checkbox"/> FI/FSL World Issues 120
		<input type="checkbox"/> AP Research 120 (8 CrH – full year)	<input type="checkbox"/> Indigenous Studies 120
		<input type="checkbox"/> AP Seminar 120 (8 CrH – full year)	<input type="checkbox"/> Modern History 111/2
		<input type="checkbox"/> Canadian Geography 120	<input type="checkbox"/> Political Science 120
		<input type="checkbox"/> Canadian History 122	<input type="checkbox"/> Sociology 120
		<input type="checkbox"/> FI Modern History 111/2	<input type="checkbox"/> World Issues 120
<input type="checkbox"/> Law 120			

AP EUROPEAN HISTORY 120



- AP European History is an introductory college-level European history course.
- Students cultivate their understanding of European history through analyzing historical sources and learning to make connections and craft historical arguments as they explore concepts like interaction of Europe and the world; economic and commercial developments; cultural and intellectual developments; states and other institutions of power; social organization and development; national and European identity; and technological and scientific innovation.

AP RESEARCH 120



AP RESEARCH, THE SECOND COURSE IN THE AP CAPSTONE EXPERIENCE, ALLOWS STUDENTS TO DEEPLY EXPLORE AN ACADEMIC TOPIC, PROBLEM, ISSUE, OR IDEA OF INDIVIDUAL INTEREST. STUDENTS DESIGN, PLAN, AND IMPLEMENT A YEARLONG INVESTIGATION TO ADDRESS A RESEARCH QUESTION



AP SEMINAR (8 CREDIT HOURS – FULL YEAR)



Develop and practice the skills in research, collaboration, and communication that you'll need in any academic discipline. You'll investigate topics in a variety of subject areas, write research-based essays, and design and give presentations both individually and as part of a team.

Course Content

Big Idea 1: Question and Explore

Big Idea 2: Understand and Analyze

Big Idea 3: Evaluate Multiple Perspectives

Big Idea 4: Synthesize Ideas

Big Idea 5: Team, Transform, and Transmit

CANADIAN GEOGRAPHY 120



- THIS COURSE IS A STUDY OF THE EVER-CHANGING CULTURAL AND PHYSICAL LANDSCAPES OF CANADA AND HOW THEY IMPACT ON EACH OTHER. IT CONSIDERS WHERE THINGS ARE, WHY THEY ARE THERE, AND THE SIGNIFICANCE OF THESE WITH RESPECT TO FUTURE PATTERNS. INCLUDED IS AN EXAMINATION OF ENVIRONMENTAL AND CANADIAN GEOGRAPHICAL ISSUES THAT ARE CURRENTLY PERTINENT TO THE LIVES OF CANADIANS. STUDENTS WILL USE A WIDE RANGE OF INFORMATION AND SKILLS TO PROJECT A VISION OF CANADA IN THE FUTURE.

CANADIAN HISTORY 122



- THE OBJECTIVE OF CANADIAN HISTORY 122 IS TO EXAMINE THE SOCIO-ECONOMIC, POLITICAL, AND CULTURAL DEVELOPMENT OF POST CONFEDERATION CANADA. VARIOUS THEMES WILL BE EXPLORED THROUGHOUT THE COURSE INCLUDING NATIONALISM, REGIONALISM, IMMIGRATION, IMPERIALISM, INDUSTRIALIZATION, AND URBANIZATION.

INDIGENOUS STUDIES 120 & FI/FSL

INDIGENOUS STUDIES 120



- THIS COURSE PRIMARILY DESIGNED TO PROMOTE UNDERSTANDING OF MI'KMAQ AND WOLASTOQIYIK PERSPECTIVES ON LIFE IN THE MARITIME PROVINCES.
- PAST, PRESENT AND FUTURE IMPLICATIONS ARE EXPLORED THROUGH AN OFTEN INTERSECTIONAL AND INTERDISCIPLINARY APPROACH THAT LOOKS AT ELEMENTS SUCH AS LAND, LANGUAGE, SPORT, STORY, SOVEREIGNTY, AND VARIOUS ARTISTIC FORMS.
- AWARENESS IS ALSO ENHANCED BY EVALUATING INDIGENOUS CONTEXTS WITHIN THE NATIONAL AND GLOBAL SPHERES.
- ABORIGINAL PEDAGOGICAL (TEACHING AND LEARNING) STYLES ARE ALSO ACKNOWLEDGED AND INCORPORATED TO DEVELOP BOTH ANALYTICAL AND INTUITIVE CAPACITIES IN STUDENTS.

LAW 120



- STUDENTS ARE ENCOURAGED TO DISCUSS CURRENT NEWS CASES INVOLVING THE LAW
- CURRENT COURT DECISIONS ARE FOLLOWED AND DISCUSSED.
- TOPIC COVERED:
 - THE CANADIAN CHARTER OF RIGHTS AND FREEDOMS
 - CRIMINAL LAW
 - CIVIL LAW
 - FAMILY LAW
 - THE LAW OF WILL AND ESTATES
 - PROPERTY LAW

MODERN HISTORY 112/1 & FRENCH IMMERSION MODERN HISTORY 112/1



- **THIS IS A COURSE WHICH COVERS THE MAIN POLITICAL, ECONOMIC, SOCIAL AND INTELLECTUAL DEVELOPMENTS SINCE 1789.**
- **MAJOR TOPICS COVERED INCLUDE:**
 - **THE FRENCH REVOLUTION**
 - **THE UNIFICATION OF GERMANY AND ITALY**
 - **WORLD WAR I (CAUSES, EVENTS AND RESULTS)**
 - **TOTALITARIANISM (ITS DEVELOPMENT AND CONSEQUENCES)**
 - **WORLD WAR II (CAUSES, EVENTS, AND RESULTS)**
 - **THE HOLOCAUST**
 - **THE COLD WAR**
 - **POST WAR DEVELOPMENTS IN THE THIRD WORLD**

POLITICAL SCIENCE 120

JUST WHAT THE HECK IS POLITICAL SCIENCE, ANYWAY?

- WHY DO PEOPLE COME TOGETHER TO FORM A SOCIETY?
- WHERE DO IDEAS LIKE JUSTICE, LIBERTY, AND DEMOCRACY COME FROM?
- WHAT IS GOVERNMENT?
- HOW DOES OUR GOVERNMENT WORK?
- WHAT DO OUR POLITICIANS REALLY DO?
- WHY DO WE VALUE FREE SPEECH?
- HOW FREE SHOULD FREE SPEECH BE?
- WHY DO WE VALUE FREEDOM AND DEMOCRACY?
- WHAT DO YOU VALUE AND WHY?

COME FIND OUT IN POLITICAL SCIENCE 120!



SOCIOLOGY 120

- Sociology 120 will increase students' awareness of themselves and others as social beings and the social processes that shape the world in which they live.
- Students will develop a better understanding of the ways in which attitudes and values develop and enter individual and group actions.
- Students will also develop an awareness of the problems confronting contemporary society.
- The basic methods of social scientific investigation and the methods of which data are presented will be examined.



WORLD ISSUES 120 & FI/FSL WORLD ISSUES 120



STUDENTS WILL EXAMINE THE GLOBAL CHALLENGES OF BUILDING A SUSTAINABLE AND EQUITABLE FUTURE, FOCUSING ON CURRENT ISSUES THAT DEMONSTRATE THESE CHALLENGES. STUDENTS WILL INVESTIGATE A RANGE OF TOPICS RELEVANT AT THE TIME OF STUDY. THE COURSE PROVIDES OPPORTUNITY FOR STUDENT CHOICE WITHIN THE THEMES OF “HUMANITY,” “INTERDEPENDENCE,” AND “GEOPOLITICS.”

TOPICS INCLUDE:

- CHILD SOLDIERS
- INDIGENOUS RIGHTS AROUND THE WORLD
- JUSTICE AND HUMAN RIGHTS
- HOW DO PEOPLE LIVE?
- HOW ARE WE CONNECTED ?
- HUMAN TRAFFICKING
- WOMEN RIGHTS
- GLOBALIZATION
- FOOD SECURITY
- GLOBAL CONFLICTS

CLUSTER: SCIENCES

(8 CREDIT HOURS REQUIRED)



CLUSTER: SCIENCES



Sciences	8	<p>Options</p> <div><div><input type="checkbox"/> AP Biology 120</div><div><input type="checkbox"/> AP Chemistry 12</div><div><input type="checkbox"/> Agriculture 110</div><div><input type="checkbox"/> Biology 111/2</div><div><input type="checkbox"/> Biology 121/2</div><div><input type="checkbox"/> Chemistry 111/2</div><div><input type="checkbox"/> Chemistry 121/2</div><div><input type="checkbox"/> Environmental Geoscience 110</div><div><input type="checkbox"/> FI Environmental Geoscience 110</div></div> <div><div><input type="checkbox"/> FI Science for Sustainable Societies</div><div><input type="checkbox"/> Human Physiology 110</div><div><input type="checkbox"/> Intro to Electronics 110</div><div><input type="checkbox"/> Enviro. Science 120</div><div><input type="checkbox"/> Science for Sustainable Societies</div><div><input type="checkbox"/> Physics 111/2</div><div><input type="checkbox"/> Physics 121/2</div></div>
----------	---	--

AP BIOLOGY 120



Study the core scientific principles, theories, and processes that govern living organisms and biological systems. You'll do hands-on laboratory work to investigate natural phenomena.

Course Content

- **Unit 1: Chemistry of Life**
- **Unit 2: Cell Structure and Function**
- **Unit 3: Cellular Energetics**
- **Unit 4: Cell Communication and Cell Cycle**
- **Unit 5: Heredity**
- **Unit 6: Gene Expression and Regulation**
- **Unit 7: Natural Selection**
- **Unit 8: Ecology**

AP CHEMISTRY 120



Learn about the fundamental concepts of chemistry including structure and states of matter, intermolecular forces, and reactions. You'll do hands-on lab investigations and use chemical calculations to solve problems.

Course Content

Unit 1: Atomic Structure and Properties

Unit 2: Molecular and Ionic Compound Structure and Properties

Unit 3: Intermolecular Forces and Properties

Unit 4: Chemical Reactions

Unit 5: Kinetics

Unit 6: Thermodynamics

Unit 7: Equilibrium

Unit 8: Acids and Bases

Unit 9: Applications of Thermodynamics

AGRICULTURE 110



- AGRICULTURE 110 FALLS WITHIN BOTH THE SCIENCE CLUSTER OF COURSES AND THE CAREER-CONNECTED CLUSTER.
- THIS COURSE INCLUDES
 - THE HISTORY AND EVOLUTION OF AGRICULTURE IN NEW BRUNSWICK
 - 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,
 - APPLY SKILLS AND GAIN AGRICULTURAL EXPERIENCE AND/OR WORK PLACEMENTS AND
 - INCLUDE A LEARNER-LED PERSONAL CHOICE PROJECT OR DEVELOPMENT OF A BUSINESS PROPOSAL AND PLAN TO SUMMARIZE AND DEMONSTRATE LEARNING



BIOLOGY 11 & 12



BIOLOGY 11

THIS COURSE IS AN INTRODUCTORY COURSE IN THE FIELD OF BIOLOGY.

THE COURSE PLACES EMPHASIS ON THE BASIC BIOLOGICAL PRINCIPLES NEEDED FOR FURTHER STUDY IN BIOLOGY.

CONCEPTS INCLUDE:

- CELLULAR STRUCTURE AND FUNCTION,
- BIODIVERSITY AND MAINTAINING DYNAMIC EQUILIBRIUM PART 1.
- LABORATORY WORK SUPPLEMENTS REGULAR CLASSROOM INSTRUCTION, WITH CONCENTRATION IN THE AREAS OF MICROSCOPY AND DISSECTIONS.

BIOLOGY 12

BIOLOGY 12 IS DESIGNED FOR GRADE 12 STUDENTS.

- A STUDENT WHO PLANS TO ENTER UNIVERSITY PROGRAMS THAT ARE LIFE SCIENCE ORIENTED (NURSING, PRE-MED, PHARMACY, ETC.) SHOULD COMPLETE BOTH BIOLOGY 11 AND BIOLOGY 12.

CHEMISTRY 11 & 12



These course are college or university preparatory programs used as an entrance requirement for science related university courses, some technical school courses, and nursing.

CHEM 11:

- MATTER AND ENERGY IN CHEMICAL CHANGE
- MATTER AS SOLUTIONS AND GASES
- QUANTITATIVE RELATIONSHIPS IN CHEMICAL CHANGE
- AND CHEMICAL BONDING IN MATTER
- FAMILIARIZATION WITH SIMPLE LABORATORY APPARATUS AND TECHNIQUES

CHEM 12:

- THE DIVERSITY OF MATTER
- ORGANIC CHEMISTRY
- THERMO CHEMICAL CHANGE
- EQUILIBRIUM
- ACIDS AND BASES IN CHEMICAL CHANGE
- ELECTROCHEMICAL CHANGES.
- THE LABORATORY PROGRAM CONTINUES WITH THE SAME OBJECTIVES AS IN CHEMISTRY 112 AND EXPANDS UPON THE SAFE USE OF VARIOUS CHEMICALS AND EQUIPMENT.

ENVIRONMENTAL SCIENCE 120



- CURRICULUM HIGHLIGHTS:
 - ENVIRONMENTAL ISSUES, HUMAN POPULATION GROWTH AND RESOURCE LIMITATIONS
 - SUSTAINABLE PRACTICES AND ENVIRONMENTAL AWARENESS
 - INVESTIGATING AND ENVIRONMENTAL ISSUES
 - PROJECT AND COLLABORATIVE WORK

FI/FSL ENVIRONMENTAL GEOSCIENCE 110



GEOSCIENCE IS THE STUDY OF PLANET EARTH. IT IS INTERDISCIPLINARY – DRAWING UPON MANY OTHER FIELDS OF STUDY, INCLUDING OTHER SCIENCES AND GEOGRAPHY.

LEARNERS WILL

- EXPLORE HOW EARTH SYSTEMS CHANGE OVER TIME
- ASK AND ANSWER QUESTIONS ABOUT THE PLANET
- EXPLORE CAREER OPTIONS IN GEOSCIENCE FIELDS
- EXPLORE SUSTAINABLE PRACTICES RELATED TO HUMAN INTERACTIONS WITH THE PHYSICAL PLANET
- EXPLORE CULTURAL VALUES IN RELATIONSHIP TO PLACE
- COLLECT AND ANALYZE SPATIAL POSITIONING AND GEOGRAPHIC DATA
- DEVELOP AND CARRY OUT A FIELD PROJECT

HUMAN PHYSIOLOGY 110



- FULFILLS GRADUATION REQUIREMENT FOR SCIENCE
- IMPORTANT CONTENT FOR ALL STUDENTS AS IT RELATES ONLY TO THE HUMAN BODY
- VERY GOOD COURSE TO TAKE PRIOR TO BIOLOGY 112
- VERY RELEVANT FOR THOSE CONSIDERING BIOLOGY, HEALTH CARE, KINESIOLOGY, SOCIAL SCIENCES

TOPICS INCLUDE:

- STRUCTURES AND FUNCTIONS OF NINE HUMAN BODY SYSTEMS, IN HEALTH AND DISEASE, WITH A FOCUS ON WAYS IN WHICH THEY ARE INTERCONNECTED.
- THE COURSE ALSO INCLUDES A SIGNIFICANT AMOUNT OF REFLECTION AND GOAL SETTING RELATED TO EACH STUDENT'S PERSONAL WELLNESS.

INTRODUCTION TO ELECTRONICS 110



WANT TO KNOW ABOUT COMPUTERS TVS SENSORS MICROPROCESSORS DVD PLAYERS
LOUDSPEAKERS AMPLIFIERS RADIO MICROPHONES CELL PHONES ?

- USEFUL FOR COURSES SUCH AS:
 - ENGINEERING
 - COMPUTER SCIENCE
 - INSTRUMENTATION
 - COMPUTER NETWORKING
 - TECHNICIAN
 - POWER SYSTEMS
 - AUTOMOTIVE
 - AIRCRAFT MAINTENANCE
 - AND SO MUCH MORE!

PHYSICS 11 & 12



PHYSICS 11:

- HOW AND WHY OBJECTS MOVE IN 1-DIMENSION, USING FORCE AND ENERGY ANALYSIS
- HOW AND WHY ENERGY ITSELF CHANGES AND MOVES

PHYSICS 12:

- HOW AND WHY OBJECTS MOVE IN 2-DIMENSIONS, INCLUDING SLIDING AND ROTATIONAL MOTION, PROJECTILES, AND CIRCULAR MOTION
- FIELD THEORY AND FUNDAMENTAL FORCES IN THE UNIVERSE, INCLUDING GRAVITATIONAL, ELECTROSTATIC, AND MAGNETIC FORCES

BOTH COURSES RELY HEAVILY ON PREEXISTING MATH SKILLS (REARRANGING & SOLVING EQUATIONS, SYSTEMS OF EQUATIONS, GRAPHING, UNIT CONVERSIONS, TRIGONOMETRY, ETC.), CONTENT FROM PREREQUISITES, AND APPLICATION OF SCIENCE SKILLS IN HANDS-ON LAB ACTIVITIES.

SCIENCE FOR SUSTAINABLE SOCIETIES 10 & FI/FLS SCIENCE FOR SUSTAINABLE SOCIETIES 10



- **SCIENCE 10 AIMS TO HELP STUDENTS**
 - IMPROVE SCIENTIFIC LITERACY SKILLS (SCIENTIFIC INQUIRY, PROBLEM-SOLVING, AND DECISION MAKING)
 - APPRECIATE THE NATURE OF SCIENCE AS A SYSTEMATIC APPROACH TO UNDERSTANDING THE WORLD
 - DISCOVER THAT SCIENTIFIC KNOWLEDGE PRODUCED THIS WAY IS BOTH DURABLE AND SUBJECTED TO CHANGE
 - UNDERSTAND THAT SCIENCE AFFECTS AND IS AFFECTED BY SOCIETY.
- **CORE IDEAS AND TOPICS OF STUDY:**
 - **POWER, WORK, AND ENERGY**
 - **ELECTRICITY AND ELECTRIFICATION**
 - **NUCLEAR TECHNOLOGY**
 - **CHEMISTRY FOUNDATIONS (INCLUDING CLASSIFICATION OF MATTER, CHEMICAL CHANGE AND BONDING, CHEMICAL MODELS, CHEMICAL REACTIONS)**

CLUSTER: PERSONAL WELL-BEING ELECTIVES : CREATIVE ARTS

(4 CREDIT HOURS REQUIRED)



CLUSTER: PERSONAL WELL-BEING

ELECTIVES : CREATIVE ARTS



Creative Arts	4	<div>Options</div> <div><div><input type="checkbox"/> Creative Arts 110</div><div><input type="checkbox"/> Dramatic Arts 110</div><div><input type="checkbox"/> Dramatic Arts 120</div><div><input type="checkbox"/> Graphic Art & Design 110</div><div><input type="checkbox"/> Media Studies 120</div><div><input type="checkbox"/> Music 10</div></div> <div><div><input type="checkbox"/> Music 110</div><div><input type="checkbox"/> Music 120</div><div><input type="checkbox"/> Visual Arts 10</div><div><input type="checkbox"/> Visual Arts 110</div><div><input type="checkbox"/> Visual Arts 120</div></div>
---------------	---	--

CREATIVE ARTS 110

- ❖ THIS IS AN ART APPRECIATION COURSE WHERE STUDENTS WILL EXPLORE PIECES OF VISUAL ART, MUSIC, AND DRAMA FROM THE 20TH CENTURY. STUDENTS WILL LEARN HOW ARTISTS ARE AFFECTED BY AND REFLECT THE WORLDS THAT THEY LIVE IN BY RESEARCHING, COLLECTING, AND DISCUSSING A VARIETY OF ARTISTS, THEIR WORK, AND THE EVENTS OCCURRING AROUND THEM. STUDENTS WILL ALSO LEARN HOW TO TALK INTELLIGENTLY AND WITH CONFIDENCE ABOUT ART BY USING THE APPROPRIATE TERMINOLOGIES AND LANGUAGE CONNECTED TO IT. BACKGROUND EXPERIENCE IN AT LEAST ONE OF THE ART DISCIPLINES WOULD BE HELPFUL TO STUDENTS, BUT IT IS NOT ESSENTIAL.



DRAMATIC ARTS 110 & 120



- ❖ DRAMATIC ARTS 110 IS A 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.
- ❖ DRAMATIC ARTS 120 EXPANDS ON THE SKILLS ACQUIRED IN DRAMATIC ARTS 110

GRAPHIC ART AND DESIGN 110



STUDENTS EXAMINE THE CHANGING FACE OF GRAPHIC AND COMPUTER ART AS WELL AS THE HISTORY OF PRINT MEDIA.

EXPLORATIONS INCLUDE:

- ❖ STUDY OF TYPOGRAPHY
- ❖ CALLIGRAPHY
- ❖ THE APPLICATION OF TEXT TO ALL FORMS
- ❖ CREATING SIGNAGE, BILLBOARDS, SCHOOL PLAY AND MUSICAL POSTERS
- ❖ BLACK AND WHITE DARKROOM TECHNIQUES

MEDIA STUDIES 120

Students will study all facets of the media including television, film, internet and social media.

This is an English Language Arts elective and as such students should have good reading and writing skills and be comfortable speaking and presenting in front of the class.

This is a project-based class. Students must know how to film and edit their own videos.



MUSIC 10, 11 AND 12



DO YOU LIKE TO PLAY AN INSTRUMENT? WOULD YOU LIKE TO LEARN TO PLAY AN INSTRUMENT? DO YOU LIKE TO LISTEN TO AND TALK ABOUT MUSIC?

IN MUSIC 10,11 AND 12, WE PLAY INSTRUMENTS, (INCLUDING BASIC DRUMBEATS), LISTEN TO MUSIC AND TALK ABOUT HOW IT WORKS, AND HAVE FUN WITH OTHER CREATIVE, MUSICAL ACTIVITIES. IT IS FLEXIBLE SO THAT IT CAN MEET THE NEEDS AND INTERESTS OF EVERYONE FROM BEGINNERS TO ADVANCED MUSICIANS. LOTS OF TIME IS GIVEN FOR PRACTICING ALONE OR WITH A FRIEND. IF YOU ARE AN ADVANCED MUSICIAN, THERE ARE OPPORTUNITIES FOR YOU TO WORK ON YOUR ADVANCED THEORY OR PREPARE FOR A UNIVERSITY AUDITION. THERE ARE NO PRE-REQUISITES FOR THIS COURSE, AND IT FILLS THE REQUIREMENT FOR 4 CREATIVE ARTS CREDITS

MUSIC 120



MUSIC 122 IS DESIGNED FOR THE ADVANCED AND/OR SERIOUS STUDENT OF MUSIC.

INCLUDED ARE THE FOLLOWING TOPICS:

- ❖ TECHNICAL/PERFORMANCE SKILLS, THEORY AND COMPOSITION, CANADIAN MUSIC HISTORY,
- ❖ CANADIAN MUSIC INDUSTRY CAREERS AND MUSIC CRITICISM.
- ❖ THE COURSE ASSUMES AN INTEREST IN IMPROVING UPON AND EXPANDING AREAS OF MUSICAL KNOWLEDGE AND EXPERTISE.

VISUAL ARTS 10,110 & 120



THESE COURSES OFFER STUDENTS A
DEEPER UNDERSTANDING OF THE
ELEMENTS AND PRINCIPLES OF DRAWING,
PAINTING AND SCULPTURE.

- ❖ THERE IS AN EMPHASIS ON STUDIO
WORK AND PORTFOLIO PRODUCTION
- ❖ ART HISTORY AND CONTEMPORARY ART
WILL ALSO BE STUDIED.

CLUSTER: PERSONAL WELL-BEING ELECTIVES: WELLNESS & PHYS ED

(4 CREDIT HOURS REQUIRED)



CLUSTER: PERSONAL WELL-BEING ELECTIVES : WELLNESS & PHYSICAL EDUCATION



Wellness & Physical Education	4	Options <ul style="list-style-type: none"><input type="checkbox"/> AP Psychology 120<input type="checkbox"/> FI Individual & Family Wellness 120<input type="checkbox"/> Individual & Family Wellness 120<input type="checkbox"/> Nutrition for Healthy Living 120<input type="checkbox"/> Outdoor Education 110<input type="checkbox"/> Physical Education 10<input type="checkbox"/> Psychology 120<input type="checkbox"/> Sport and Recreation Leadership 120<input type="checkbox"/> Wellness through Physical Ed 110<input type="checkbox"/> Yoga 110
-------------------------------------	---	---

AP PSYCHOLOGY



THE ADVANCED PLACEMENT PSYCHOLOGY COURSE IS DESIGNED TO INTRODUCE STUDENTS TO THE SYSTEMATIC AND SCIENTIFIC STUDY OF THE BEHAVIOR AND MENTAL PROCESSES OF HUMAN BEINGS AND OTHER ANIMALS.

THIS COURSE GIVES STUDENTS COLLEGE-LEVEL LEARNING OPPORTUNITIES AND INSTRUCTION EACH DAY. THE COURSE WILL COVER THOSE TOPICS GENERALLY DISCUSSED IN A COLLEGE LEVEL INTRODUCTORY (FIRST YEAR) PSYCHOLOGY COURSE. THESE TOPICS INCLUDE:

- ❖ the history of psychology as a science
- ❖ biological bases of behavior
- ❖ consciousness
- ❖ memory
- ❖ stress
- ❖ disorders and treatment
- ❖ ethics
- ❖ research methods
- ❖ sensation/perception
- ❖ learning
- ❖ cognition
- ❖ development
- ❖ personality
- ❖ social psychology

HEALTHCARE 110



THIS COURSE INTRODUCES STUDENTS TO CONTENT AND CONCEPTS RELATED TO HEALTH CARE AND THE HEALTHCARE SYSTEM. STUDENTS WILL LEARN HOW THE CANADIAN HEALTHCARE SYSTEM WORKS AND WILL BE INTRODUCED TO VARIOUS MEDICAL PROFESSIONALS THAT WORK WITHIN THE SYSTEM. STUDENTS WILL LEARN WHAT IT TAKES TO BE A PROFESSIONAL WITHIN THE DIFFERENT HEALTHCARE OCCUPATIONS. THEY WILL EXAMINE THE RIGHTS OF A HEALTHCARE CONSUMER, DEVELOP AN AWARENESS OF RELATED ENVIRONMENTAL AND SOCIETAL ISSUES AND WILL BEGIN TO EXPLORE SECONDARY AND POSTSECONDARY PATHWAYS LEADING TO CAREERS IN THE FIELD.

INDIVIDUAL AND FAMILY WELLNESS 120 & FI/FSL INDIVIDUAL AND FAMILY WELLNESS 120



- ❖ THIS COURSE IS AN ELECTIVE FOR STUDENTS WHO MAY WISH TO PURSUE FIELDS OF STUDY SUCH AS: SOCIAL SERVICES, FAMILY LAW, CAREERS IN COUNSELING, PSYCHOTHERAPY, LAW ENFORCEMENT, AND THE FIELD OF MEDICINE.
- ❖ THIS COURSE FOCUSES ON UNDERSTANDING YOURSELF, BUILDING SELF-CONFIDENCE, RELATIONSHIPS WITH PARENTS AND PEERS, DATING, COPING WITH STRESSES INSIDE THE FAMILY, (VIOLENCE, DIVORCE, AND REMARRIAGE) AND COPING WITH STRESSES OUTSIDE THE FAMILY, (DRUGS, ALCOHOL, SEX, DATE RAPE, AND SEXUALLY TRANSMITTED DISEASES).

INTRODUCTION TO KINESIOLOGY 120



INTRODUCTION TO KINESIOLOGY 120 IS DESIGNED TO PROVIDE A FOUNDATION TO SUPPORT LEARNERS' EXPERIENCES AND UNDERSTANDING OF THE THEORETICAL AND PRACTICAL ASPECTS OF KINESIOLOGY. LEARNERS WILL EXPLORE, CONNECT, AND PARTICIPATE IN ENGAGING INSTRUCTIONAL PRACTICES, INCLUDING GROUP ACTIVITIES AND LABS. THEY WILL ALSO ENGAGE IN TOPICS SUCH AS: HISTORICAL EVENTS, ETHICAL ISSUES, PHYSICAL LITERACY, ANATOMY, PHYSIOLOGY, HUMAN PERFORMANCE, BIOMECHANICS, AND PREVENTION AND CARE OF ATHLETIC INJURIES. LEARNERS WILL BE SUPPORTED TO PRACTICE RESPECTFUL, ETHICAL, INCLUSIVE, AND SAFE BEHAVIOURS IN A VARIETY OF ENVIRONMENTS. THIS COURSE IS APPROPRIATE FOR LEARNERS WHO HAVE AN INTEREST IN LEARNING MORE ABOUT KINESIOLOGY INCLUDING CAREERS IN THE FIELDS OF PHYSICAL EDUCATION, HEALTH EDUCATION, PHYSIOTHERAPY, ATHLETIC THERAPY, NURSING, COACHING, SPORT MANAGEMENT, RECREATION, AND LEISURE.

NUTRITION FOR HEALTHY LIVING 120

NUTRITION FOR HEALTHY LIVING 120 IS DESIGNED TO MAKE STUDENTS AWARE OF PREVENTATIVE STRATEGIES TO CONTRIBUTE TO OVERALL WELLNESS, MAKE HEALTHY FOOD CHOICES AND MAINTAIN A BALANCE BETWEEN EATING HABITS AND PHYSICAL ACTIVITY.

- ❖ SPECIAL EMPHASIS IS GIVEN TO THE STUDY OF NUTRIENTS; HOW THEY WORK IN THE HUMAN BODY, IDENTIFYING THE BEST FOOD SOURCES OF EACH NUTRIENT, AND RECOGNIZING THE EFFECTS OF USING TOO LITTLE OR TOO MUCH OF A NUTRIENT.
- ❖ CURRENT ISSUES RELATING TO CHRONIC DISEASES, LIFESTYLES AND FOOD TECHNOLOGIES WILL ALSO BE DISCUSSED.
- ❖ THIS IS AN EXCELLENT COURSE FOR THOSE CONCERNED WITH PERSONAL WELLNESS OR FOR STUDENTS WHO WISH TO PURSUE A CAREER IN SCIENCE AND NUTRITION OR HEALTH-RELATED FIELDS.



OUTDOOR EDUCATION 110



OUTDOOR EDUCATION 110 PROVIDES OPPORTUNITIES FOR STUDENTS TO EXPLORE VARIOUS OUTDOOR ADVENTURE ACTIVITIES SUCH AS CAMPING, KAYAKING, CANOEING BACKPACKING, HIKING, SKIING, SNOWSHOEING, ORIENTEERING AND ROCK CLIMBING.

- ❖ FROM THESE EXPERIENCES THEY WILL GAIN A GREATER INSIGHT, APPRECIATION, CONCERNS AND KNOWLEDGE ABOUT THE OUTDOOR ENVIRONMENT AND THE OPPORTUNITIES THAT IT HOLDS FOR EDUCATIONAL, RECREATIONAL, AND ECONOMIC BENEFIT.
- ❖ **APPLICATION IS REQUIRED**
- ❖ **OPEN TO GRAD 12 STUDENTS**

Physical Education 10



- ❖ GRADE 10 PHYSICAL EDUCATION IS IDENTIFYING THE SKILLS, KNOWLEDGE, AND ATTITUDES EXPECTED OF STUDENTS IN THREE CATEGORIES, DOING, KNOWING AND VALUING.
- ❖ DOING- UNDERSTANDING EFFECTIVE MOVEMENT SKILLS & CONCEPTS
- ❖ KNOWING- UNDERSTANDING PRINCIPALS AND CONCEPTS THAT SUPPORT ACTIVE HEALTHY LIVING
- ❖ VALUING- DEVELOP POSITIVE PERSONAL AND SOCIAL BEHAVIOURS AND INTERPERSONAL RELATIONSHIPS.

PSYCHOLOGY 120



- ❖ Are you interesting in how the brain works?
- ❖ Do you have a desire to know about the structures of the brain and what they do?
- ❖ Are you interested in knowing more about the history of Psychology and theories?
- ❖ Do you want to know more about mental health and mental illnesses ?
- ❖ Do you want to know all that you can about effective theories ?
- ❖ Then this course is for you!

SPORT & RECREATION LEADERSHIP 120



- ❖ DO YOU ENJOY ORGANIZING SPORTS ACTIVITIES, TOURNAMENTS INTRAMURALS ETC.,?
- ❖ WOULD YOU LIKE TO SHARE YOUR SKILLS AND TALENTS WITH OTHERS WHILE EXPERIENCING NEW ACTIVITIES PRESENTED BY YOUR PEERS?
- ❖ ARE YOU INTERESTED IN DEVELOPING YOUR LEADERSHIP POTENTIAL THROUGH SPORT?
- ❖ IF YOU ARE LOOKING FOR A FUN, CHALLENGING AND ACTIVE LEADERSHIP OPPORTUNITY THAN THIS COURSE IS FOR YOU!
- ❖ OPEN TO GRADE 12 STUDENTS
- ❖ **APPLICATION REQUIRED**

WELLNESS THROUGH PHYSICAL EDUCATION 110



THE GOAL OF WELLNESS THROUGH PHYSICAL EDUCATION 11 IS TO PROMOTE HEALTHY ACTIVE LIVING FOR LIFE.

STUDENTS WILL:

- ❖ EXPERIENCE A VARIETY OF WELLNESS ACTIVITIES
- ❖ DESIGN A WELLNESS OPPORTUNITY FOR A COMMUNITY GROUP
- ❖ CREATE AND IMPLEMENT A PERSONAL HEALTHY ACTIVE LIVING PLAN

YOGA 110



DO YOU WANT TO:

- ❖ INCREASE YOUR FLEXIBILITY?
- ❖ INCREASE YOUR STRENGTH?
- ❖ LEARN TO MEDITATE?
- ❖ SLEEP BETTER?
- ❖ FIND PEACE AND QUIET IN YOUR BUSY LIFE?

THEN YOGA IS THE COURSE FOR YOU! NO EXPERIENCE REQUIRED!

CLUSTER: PERSONAL WELL-BEING ELECTIVES: CAREER CONNECTIONS

(4 CREDIT HOURS REQUIRED)



CLUSTER: PERSONAL WELL-BEING ELECTIVES : CAREER-CONNECTIONS



Career-Connections	4	<p>Career Options</p> <div> <input type="checkbox"/> Career Pathway Design 10 <input type="checkbox"/> Coop 120 </div> <p>Information and Communication Technology Options</p> <div> <input type="checkbox"/> AP Computer Science Principles <input type="checkbox"/> Computer Science 120 </div> <div> <input type="checkbox"/> Computer Aided Design 110 <input type="checkbox"/> Cybersecurity 120 </div> <div> <input type="checkbox"/> Computer Science 110 </div> <hr/> <p>Occupational Options</p> <div> <input type="checkbox"/> Agriculture 110 <input type="checkbox"/> Hospitality and Tourism 110 </div> <div> <input type="checkbox"/> Business Management 120 <input type="checkbox"/> FI/FSL Hospitality and Tourism 110 </div> <div> <input type="checkbox"/> Entrepreneurship 110 <input type="checkbox"/> Financial Accounting 120 </div> <div> <input type="checkbox"/> Economics 130 <input type="checkbox"/> Hospitality and Tourism 110 </div> <p>Skilled Trades Options</p> <div> <input type="checkbox"/> Culinary Technology 110/120 <input type="checkbox"/> Framing and Sheathing 110/Residential Finish 120 </div> <div> <input type="checkbox"/> Electrical Wiring 110 <input type="checkbox"/> Intro to Skilled Trades 110 </div> <div> <input type="checkbox"/> Electrical Wiring 120 <input type="checkbox"/> Mill and Cabinet Work 120 </div>
--------------------	---	--

**CLUSTER:
PERSONAL WELL-
BEING ELECTIVES
: CAREER-
CONNECTIONS**

CAREER OPTIONS

95



CAREER PATHWAY DESIGN 10



- THE COURSE OFFERS THE OPPORTUNITY TO EXPLORE MANY CAREER PATHWAYS AND HELP YOU SET AN INTENTIONAL FOCUS FOR YOUR POST-SECONDARY JOURNEY!

COOPERATIVE EDUCATION 120



- COOPERATIVE EDUCATION 120 COMBINES THEORY WITH PRACTICAL LEARNING EXPERIENCES THROUGH WORK PLACEMENT OPPORTUNITIES.
- STUDENTS LEARN AND PRACTICE EMPLOYABLE SKILLS; WORKING INSIDE AND OUTSIDE OF THE CLASSROOM
- PLACEMENTS ARE IN A VAST ARRAY OF WORKPLACE SETTINGS SUCH AS:
- HORIZON HEALTH AT THE SAINT JOHN REGIONAL HOSPITAL
- TRADES ORIENTATION PROGRAM HSTOP AT NBCC
- ROYAL CANADIAN RESERVE
- IDEA CENTRE: AN ENTREPRENEURIAL PROGRAM
- VIRTUAL COOP PLACEMENTS WITH INDUSTRY EXPERTS IN MANY AREAS
- **APPLICATION IS REQUIRED**
- **PRIORITY TO GRADE 12'S**

**CLUSTER:
PERSONAL WELL-
BEING ELECTIVES
: CAREER-
CONNECTIONS**

**DIGITAL & INFORMATION
TECH OPTIONS**

98



COMPUTER AIDED DESIGN 110



- THIS IS AN INTRODUCTORY COURSE DESIGNED TO GIVE STUDENTS KNOWLEDGE AND SKILL IN THE DRAFTING AREA.
- THROUGH SKETCHING AND COMPUTER ASSISTED DRAWING (CAD), STUDENTS GAIN THE SKILLS NECESSARY TO BOTH VISUALIZE AND PRESENT IDEAS GRAPHICALLY.
- THIS COURSE WILL APPEAL TO STUDENTS INTERESTING IN ARCHITECTURE AND/OR ENGINEERING.

COMPUTER SCIENCE 110



Computer programing is like solving puzzles.



The objectives of this course are to introduce students to the world of computers and their impact on society, computer science concepts, and fundamental problem-solving skills.



Course emphasis is on using the Python computer language and problem-solving skills.



Students will acquire the skills needed to write computer programs and solve computer relates problems.

COMPUTER SCIENCE 120



- **COMPUTER SCIENCE 120 IS RECOMMENDED FOR STUDENTS WITH A STRONG INTEREST IN COMPUTER PROGRAMMING.**
- **STUDENTS WILL LEARN THE BASIC SYNTAX OF THE JAVA LANGUAGE, PROGRAM JAVA APPLETS, AND WRITE SIMPLE PROGRAMS USING OBJECT-ORIENTED DESIGN PRINCIPLES.**
- **THIS COURSE PROVIDES A GOOD FOUNDATION FOR STUDENTS WHO WISH TO PURSUE A POST SECONDARY PROGRAM IN COMPUTER SCIENCE.**

CYBERSECURITY 120



- IN CYBERSECURITY 120 (CYBER120) STUDENTS WILL BE ACTIVELY ENGAGED IN THE DESIGN, DEVELOPMENT AND EVALUATION OF DEFENSIVE CYBERSECURITY PROJECTS, INCLUDING AWARENESS, CONCEPTS AND CHALLENGES.
- STUDENTS WILL DEMONSTRATE OPERATIONAL SKILLS SPECIFIC TO SUPPORTING AND SECURING DIGITAL TECHNOLOGY THROUGH HANDS ON ACTIVITIES.

**CLUSTER:
PERSONAL WELL-
BEING ELECTIVES
: CAREER-
CONNECTIONS**

**OCCUPATIONAL
OPTIONS**

103



AGRICULTURE 110



➤ THIS COURSE INCLUDES

- THE HISTORY AND EVOLUTION OF AGRICULTURE IN NEW BRUNSWICK
- 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,
- APPLY SKILLS AND GAIN AGRICULTURAL EXPERIENCE AND/OR WORK PLACEMENTS AND
- INCLUDE A LEARNER-LED PERSONAL CHOICE PROJECT OR DEVELOPMENT OF A BUSINESS PROPOSAL AND PLAN TO SUMMARIZE AND DEMONSTRATE LEARNING.

BUSINESS MANAGEMENT 120



- WHAT MOTIVATES EMPLOYEES THE MOST? (SPOILER: IT'S NOT MONEY!)
- HOW ARE BUSINESSES IMPACTED BY CUSTOMERS, TECHNOLOGY AND THE LAW?
- SHOULD BUSINESSES ACT ETHICALLY? WHY?
- WHAT DOES A LEADER DO? WHAT'S THE BEST WAY TO LEAD PEOPLE? HOW DO YOU LEAD A COMPANY?

- IN THIS COURSE, STUDENTS WILL DEVELOP THE CRITICAL THINKING AND PROBLEM-SOLVING SKILLS NEEDED TO EXCEL IN POST-SECONDARY LEARNING.
- THIS COURSE IS DESIGNED TO HAVE A HIGH DEGREE OF STUDENT ENGAGEMENT AND STUDENT LEAD EXPLORATION
- THE TEXTBOOK FOR THIS COURSE IS USED IN SOME UNIVERSITY BUSINESS COURSES.

ECONOMICS 120



ECONOMICS 120 EXAMINES ECONOMIC THEORY AND PRACTICE. STUDENTS WILL ANALYZE FUNDAMENTAL ECONOMIC CONCEPTS INCLUDING THE INTERACTION OF SUPPLY AND DEMAND, THE FUNDAMENTALS OF MONEY AND BANKING, PRODUCING, AND TRADING. THE COURSE WILL PROVIDE STUDENTS WITH A BASIC UNDERSTANDING OF OUR CANADIAN ECONOMIC SYSTEM AND WILL EXPLORE THE VARIOUS FACTORS THAT AFFECT ECONOMIC DECISION-MAKING AS INDIVIDUALS AND AS GROUPS.

ENTREPRENEURSHIP 110



- DO YOU HAVE A GREAT IDEA THAT COULD MAKE MILLIONS?
- LIKE TO WATCH DRAGON'S DEN?
- THINK YOU COULD CREATE A BRAND-NEW DESSERT IDEA?
- WONDER WHAT NEW FLAVOR OF CEREAL KIDS WILL BE BEGGING THEIR PARENTS TO BUY THEM IN THE FUTURE?
- HOW DO PEOPLE START A BUSINESS ANYWAY?
- LEARN HOW ENTREPRENEURS BECOME SUCCESSFUL
- BE CREATIVE AND INNOVATIVE
- DEVELOP A PRODUCT OR SERVICE AND SELL IT AT THE CAMPUS MARKET!

FINANCIAL ACCOUNTING 120



- THIS COURSE IS DESIGNED FOR STUDENTS IN THEIR FINAL YEAR WHO ARE PLANNING TO ATTEND UNIVERSITY OR COMMUNITY COLLEGE AND TAKING BUSINESS.
- THE COURSE COVERS THE ACCOUNTING CYCLE AND INCLUDES THE DEVELOPMENT AND USE OF JOURNALS, LEDGERS AND RELATED BOOKS OF ACCOUNTS AS WELL AS A COMPUTER ACCOUNTING PACKAGE IF TIME PERMITS.
- BASIC ACCOUNTING PRINCIPLES AND CONCEPTS ARE DISCUSSED AT SOME LENGTH TO HELP STUDENTS UNDERSTAND THE CONCEPTUAL FRAMEWORK OF ACCOUNTING.
- THE PREPARATION AND USE OF THE FINANCIAL STATEMENTS OF A PROPRIETORSHIP, PARTNERSHIPS, AND CORPORATIONS ARE STUDIED IN SOME DETAIL.
- STUDENTS SHOULD HAVE AN INTEREST IN MATH BUT WILL NOT BE LEARNING NEW OR COMPLEX MATH BUT WILL LEARN TO ANALYZE BUSINESS TRANSACTIONS.

HOSPITALITY AND TOURISM 110 & FI/FSL HOSPITALITY AND TOURISM 110



- THIS COURSE EXPLORES THE FASTEST GROWING SECTOR OF THE CANADIAN ECONOMY – THE HOSPITALITY AND TOURISM INDUSTRY!
- TOPICS INCLUDE:
 - ACCOMMODATIONS
 - FOOD AND BEVERAGE
 - ADVENTURE TRAVEL AND RECREATION
 - EVENTS AND CONFERENCES
 - TRAVEL AND TRADE
 - TOURISM SERVICES AND TRANSPORTATION

INTRO TO KINESIOLOGY 120



THIS COURSE IS DESIGNED TO PROVIDE A FOUNDATION TO SUPPORT LEARNERS' EXPERIENCES AND UNDERSTANDING OF THE THEORETICAL AND PRACTICAL ASPECTS OF KINESIOLOGY. LEARNERS WILL EXPLORE, CONNECT, AND PARTICIPATE IN ENGAGING INSTRUCTIONAL PRACTICES, INCLUDING GROUP ACTIVITIES AND LABS. THEY WILL ALSO ENGAGE IN TOPICS SUCH AS: HISTORICAL EVENTS, ETHICAL ISSUES, PHYSICAL LITERACY, ANATOMY, PHYSIOLOGY, HUMAN PERFORMANCE, BIOMECHANICS, AND PREVENTION AND CARE OF ATHLETIC INJURIES. LEARNERS WILL BE SUPPORTED TO PRACTICE RESPECTFUL, ETHICAL, INCLUSIVE, AND SAFE BEHAVIOURS IN A VARIETY OF ENVIRONMENTS. THIS COURSE IS APPROPRIATE FOR LEARNERS WHO HAVE AN INTEREST IN LEARNING MORE ABOUT KINESIOLOGY INCLUDING CAREERS IN THE FIELDS OF PHYSICAL EDUCATION, HEALTH EDUCATION, PHYSIOTHERAPY, ATHLETIC THERAPY, NURSING, COACHING, SPORT MANAGEMENT, RECREATION, AND LEISURE.

**CLUSTER:
PERSONAL WELL-
BEING ELECTIVES
: CAREER-
CONNECTIONS**

**SKILLED TRADES
OPTIONS**

111



CULINARY TECHNOLOGY 110 & 120



- CULINARY 110 IS AN ENTRY-LEVEL, HANDS-ON FOOD SERVICE TRAINING COURSE.
- YOU WILL LEARN CULINARY STANDARDS IN FOOD SERVICE AND FOOD PREPARATION THROUGH THEORY AND HANDS-ON PRACTICE.
- YOU WILL DEMONSTRATE YOUR SKILLS IN MASTER CHEF CHALLENGES AND OPERATION OF THE CRUSADER CAFE.
- CULINARY 120 IS A CONTINUATION OF CULINARY 110.
- YOU WILL EXPAND OUR SKILLS IN FOOD PREPARATION AND FOOD SERVICE.

INTRODUCTION TO ELECTRICAL WIRING 110 & 120



- This is a residential wiring course with an emphasis on the lighting and power circuits normally found in a single-family dwellings.
- Students will progress from a study of the basic equipment, supplies and techniques used in residential wiring to the design and placement of the total electric circuit requirement of a single-family dwelling as prescribed by the Canadian Electrical code.
- Interested in a career in the electrical technology or electrical trade area? This course is for you!

FRAMING AND SHEATHING 110/RESIDENTIAL FINISH 120



- DID YOU ENJOY PLAYING WITH LEGO WHEN YOU WERE YOUNGER?
- DO YOU LIKE BUILDING THINGS?
- DO YOU WANT TO GET OUT FROM BEHIND A DESK?
- THESE CONSTRUCTION COURSES FOCUS ON THE ACQUISITION OF SKILLS AND KNOWLEDGE ASSOCIATED WITH THE COMPLETION OF A MODERN WOOD FRAME RESIDENTIAL BUILDING AND THE SAFE OPERATION OF CARPENTRY TOOLS AND EQUIPMENT.

INTRODUCTION TO SKILLED TRADES 110



- INTERESTED IN THE TRADES, BUT NOT SURE WHICH ONE IS FOR YOU?
- THIS IS A GREAT INTRODUCTORY COURSE THAT WILL EXPOSE YOU TO VARIOUS SKILLS THAT CAN PROVE USEFUL FOR THOSE WANTING TO BECOME MORE PROFICIENT WITH HANDS-ON APPLICATIONS IN FIELDS INCLUDING: CARPENTRY, DRAFTING, WORKPLACE SAFETY, AND WHMIS
- NO EXPERIENCE REQUIRED!

MILL AND CABINET WORK 120



- THIS COURSE WILL BE OF INTEREST TO STUDENTS EXPLORING CAREER OPPORTUNITIES IN THE BUILDING CONTRACTION INDUSTRY AS WELL AS THOSE WITH A GENERAL INTEREST IN WOODWORKING.
- IN THIS COURSE YOU WILL:
 - LEARN THE SIDE OPERATION OF WOODWORKING TOOLS AND EQUIPMENT
 - LEARN PROJECT PLANNING AND ESTIMATING
 - BUILD A SERIES OF WOODEN PRODUCTS.

PLEASE NOTE:

- **IN ADDITION TO THE REQUIRED 4 CREDIT HOURS IN EACH OF THE FOLLOWING THREE PERSONAL WELL-BEING CATEGORIES:**
 - **CREATIVE ARTS**
 - **WELLNESS & PHYSICAL EDUCATION**
 - **CAREER-CONNECTIONS**

STUDENTS REQUIRE **AN ADDITIONAL 8 CREDITS HOURS OF THEIR CHOOSING FROM THE CATEGORIES ABOVE.**



CORE CLUSTER ELECTIVES:

STUDENTS REQUIRE **AN ADDITIONAL 28 CREDITS**
HOURS OF THEIR CHOOSING FROM ANY OF THE
PREVIOUS OPTIONS (ANY CLUSTER)



CLUSTER: LOCAL OPTIONS

(MAXIMUM 8 CREDIT HOURS)



SONG & SOCIETY 120



With social media and streaming platforms, people have access to all the music they want whenever they want it. but why do you choose to listen to certain music. How do you decide what is on their playlist? What would you say if you could write a song? Throughout history music has told the stories of people and has played an important role as a force for social change. In this course, students will analyze music, from the past and present, to appraise the value in music that is promoting social change or telling stories that are important to groups of people. This course will give beginner and seasoned writers the opportunity to self-reflect and collaborate with others to learn the process of creating their own songs so that they can tell their own stories and comment on social change that they feel is needed in the world around them.

Courses that require an application:

- ☐ COOP 120
- ☐ Idea Centre
- ☐ Outdoor Education 110
- ☐ Sport & Recreation Leadership 120

COURSES THAT REQUIRE AN APPLICATION

COOPERATIVE EDUCATION 120



- COOPERATIVE EDUCATION 120 COMBINES THEORY WITH PRACTICAL LEARNING EXPERIENCES THROUGH WORK PLACEMENT OPPORTUNITIES.
- STUDENTS LEARN AND PRACTICE EMPLOYABLE SKILLS; WORKING INSIDE AND OUTSIDE OF THE CLASSROOM
- PLACEMENTS ARE IN A VAST ARRAY OF WORKPLACE SETTINGS SUCH AS:
- HORIZON HEALTH AT THE SAINT JOHN REGIONAL HOSPITAL
- TRADES ORIENTATION PROGRAM HSTOP AT NBCC
- ROYAL CANADIAN RESERVE
- IDEA CENTRE: AN ENTREPRENEURIAL PROGRAM
- VIRTUAL COOP PLACEMENTS WITH INDUSTRY EXPERTS IN MANY AREAS
- APPLICATION IS REQUIRED

IDEA CENTRE (IN SAINT JOHN)



- ❑ THE IDEA (INNOVATION, DEVELOPMENT, ENTREPRENEURSHIP AND ACTION) CENTRE PROGRAM, FACILITATES STUDENT LEARNING IN THE FIELDS OF ENTREPRENEURSHIP AND COMMUNITY ACTION.
- ❑ THIS COURSE IS A UNIQUE LEADERSHIP OPPORTUNITY FOR MOTIVATED HIGH SCHOOL STUDENTS SEEKING A CHALLENGE AND CRAVING THE OPPORTUNITY TO TAKE THEIR IDEAS BEYOND THE WALLS OF THE SCHOOL.
- ❑ THE PROGRAM DEVELOPS STUDENT- LED PROJECTS WITH SUPPORT FROM LOCAL ENTREPRENEURS AND SOCIAL INNOVATORS. BY CONNECTING TO MENTORS IN THE PRIVATE AND PUBLIC SECTOR, THE COURSE PROVIDES A BASE FROM WHICH STUDENTS CAN PRODUCTIVELY RECEIVE SUPPORT AND GUIDANCE AND ULTIMATELY GROW THEIR IDEAS INTO SUCCESSFUL VENTURES.
- ❑ MORE INFORMATION CAN ALSO BE FOUND HERE WWW.IDEACENTRESJ.CA
- ❑ **APPLICATION IS REQUIRED**



OUTDOOR EDUCATION 110



- ❑ OUTDOOR EDUCATION 110 PROVIDES OPPORTUNITIES FOR STUDENTS TO EXPLORE VARIOUS OUTDOOR ADVENTURE ACTIVITIES SUCH AS CAMPING, KAYAKING, CANOEING BACKPACKING, HIKING, SKIING, SNOWSHOEING, ORIENTEERING AND ROCK CLIMBING.
- ❑ FROM THESE EXPERIENCES THEY WILL GAIN A GREATER INSIGHT, APPRECIATION, CONCERNS AND KNOWLEDGE ABOUT THE OUTDOOR ENVIRONMENT AND THE OPPORTUNITIES THAT IT HOLDS FOR EDUCATIONAL, RECREATIONAL, AND ECONOMIC BENEFIT.
- ❑ **APPLICATION IS REQUIRED**
- ❑ **GRADE 12 STUDENTS**

PERSONAL INTEREST COURSE 1 & 2



- ❑ THIS COURSE PROMOTES LEARNER AGENCY, PERSONALIZED LEARNING, AND PROVIDES STUDENTS WITH THE TIME, OPPORTUNITY AND RESOURCES TO DEVELOP OR PURSUE INDIVIDUAL INTERESTS. THE COURSE IS DESIGNED BY THE STUDENT WITH THE SUPPORT OF THE TEACHER AND/OR OTHER MENTORS IN THE SCHOOL COMMUNITY (LOCAL/GLOBAL)
- ❑ THIS COURSE WILL BE ASSESSED BY USING THE NB GLOBAL COMPETENCIES (PRACTICAL, TRANSFERABLE SKILLS) DOCUMENT. THIS INCLUDES:
 - ❑ SELF-MANAGEMENT AND SELF AWARENESS INNOVATION
 - ❑ CREATIVITY AND ENTREPRENEURSHIP
 - ❑ COMMUNICATION
 - ❑ COLLABORATION
 - ❑ CRITICAL THINKING AND PROBLEM SOLVING
 - ❑ SUSTAINABILITY AND GLOBAL CITIZENSHIP
 - ❑ **APPLICATION IS REQUIRED**

SPORT & RECREATION LEADERSHIP 120



- ☐ Do you enjoy organizing sports activities, tournaments intramurals etc.,?
- ☐ Would you like to share your skills and talents with others while experiencing new activities presented by your peers?
- ☐ Are you interested in developing your leadership potential through sport?
- ☐ If you are looking for a fun, challenging and active leadership opportunity than this course is for you!

☐ **Application is required**

☐ **Grade 12 students**

ADVANCED PLACEMENT



BENEFITS OF AP PROGRAM FOR STUDENTS



AP CAPSTONE: SEMINAR AND RESEARCH



**PREPARES YOU TO
BECOME STRONGER
STUDENTS BY
STRENGTHENING YOUR
SKILLS.**



**FOCUS ON RESEARCH,
ANALYSIS, EVIDENCE-
BASED ARGUMENTS,
COLLABORATION,
WRITING, AND
PRESENTING.**



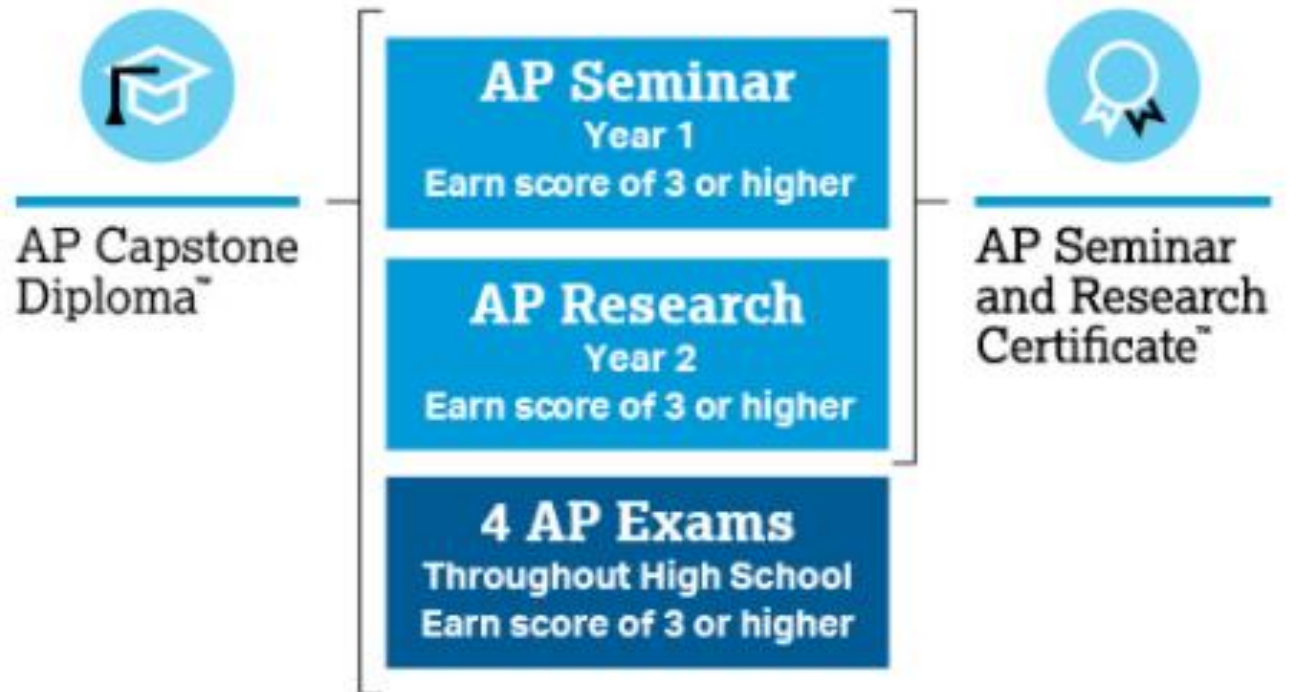
**YEAR LONG COURSES. WILL BE
TIED TO ANOTHER CREDIT
COURSE(S) FOR STUDENTS TO
RECEIVE ADDITIONAL CREDITS
(SEMINAR + ENGLISH 111)
(AP SEMINAR + PERSONAL
INTEREST)**

AP Course	Preferred Pathway
AP English Literature 120	English 12
AP European History 120	History Course
AP Seminar	Enriched English 10
AP Research	AP Seminar
AP Calculus120	Calculus 120
AP Statistics 120	Foundations 12
AP Biology 120	Biology 111 + Bio 121
AP Psychology 120	Psychology 120

OTHER INFORMATION

Grade 12s will be given the opportunity to apply for a “Study Hall” period in order to prepare for AP classes if they take 1 or more AP classes.

AWARDS





PERSONALIZE YOUR LEARNING

Options for Credit are opportunities to have flexibility in your class schedule to explore interests and work toward educational and career goals.

What do you want to learn?
What topics and experiences are exciting and engaging for you?

Working with your teachers, administrators, and school counsellors will help you determine the best options for you!

CHALLENGE FOR CREDIT
PERSONAL INTEREST 1 & 2
INDEPENDENT STUDY
DUAL CREDIT COURSES
EARLY START CREDITS



**Flexible
Options for
Credit for
High School**

**PERSONALIZE
YOUR LEARNING**


New Brunswick

OPTIONSFORCREDIT@GNB.CA

CHALLENGE FOR CREDIT



I WANT TO...

Get credit for learning I have acquired outside of the classroom!

Talk to an administrator or school counsellor about submitting a Challenge for Credit Notice of Intent and Letter of Agreement form to your principal for any credit course. Two challenges can be used as credit towards graduation. "Fast track" options allow you to get a credit by simply submitting proof of completion.



Current "fast track" options include: CADET level 4, Scout Exploration Activity Award, Duke of Edinburgh, Imagine NB, National Lifesaving Society, Girl Guides Trailblazer Award, Coach NB, Junior Achievement, Université de Moncton Explore Jeunesse and Junior High Programs, the Immersion Program of Université Saint-Anne, and Les Jeunes chanteurs d'Acadie.

PERSONAL INTEREST 1 & 2



I WANT TO...

Explore a personal interest or passion!

In Personal Interest 1 and 2, you have the opportunity to pursue an individual interest or passion. You will determine the focus of your learning with help from teachers and other mentors in the school or local/global community.

Your school may offer this as a class, or you may apply to complete the course independently.

MAKE YOUR OWN PATH

INDEPENDENT STUDY



I WANT TO...

Develop my own course outcomes and dig deeper into a topic of interest!

Independent study is an opportunity to extend learning beyond your high school courses by developing your own course! You will work with a supervising teacher or mentor to create learning outcomes, activities, and a plan for how your work will be assessed. This is a great chance to build skills to support lifelong learning!

DUAL CREDIT COURSES



I WANT TO...

Get a head start on my future educational goals!

A dual credit course allows you to earn both high school credits and credits or program recognition toward a post-secondary certificate, diploma, degree, or Certificate of Apprenticeship.

Examples of current options include:

- NBCC Skilled Trades Math



EARLY START CREDITS



I WANT TO...

Take a course at a college or university!

With Early Start Credits, Grade 12 students who are on track to graduate can take an online course from UNB, STU, Mt. Allison University, NBCC, or Crandall University. Tuition costs apply, although funding options are available. Your school counsellor can direct you to the list of courses from each institution and help you get registered.

POST SECONDARY ADMISSIONS REQUIREMENTS –EXAMPLES



Profile	Details
Profile A	<ul style="list-style-type: none">• High School Diploma or Adult High School Diploma or GED Diploma of High School Equivalency or Essential Skills Achievement Pathway: Post-Secondary Entry High School Diploma
Profile B	<ul style="list-style-type: none">• High School Diploma or Adult High School Diploma or GED Diploma of High School Equivalency or Essential Skills Achievement Pathway: Post-Secondary Entry High School Diploma• Foundations of Mathematics 110 or Geometry and Applications in Mathematics 112 and Functions and Relations 112
Profile C	<ul style="list-style-type: none">• High School Diploma or Adult High School Diploma or GED Diploma of High School Equivalency or Essential Skills Achievement Pathway: Post-Secondary Entry High School Diploma• Foundations of Mathematics 110 or Geometry and Applications in Mathematics 112 and Functions and Relations 112• Total of two (2) sciences, including at least one (1) of the following:<ul style="list-style-type: none">◦ Biology 112 or Biology 122◦ Chemistry 112 or 122◦ Physics 112 or 122 (Recommended)
Profile D	<ul style="list-style-type: none">• High School Diploma or Adult High School Diploma or GED Diploma of High School Equivalency or Essential Skills Achievement Pathway: Post-Secondary Entry High School Diploma• Foundations of Mathematics 110 or Geometry and Applications in Mathematics 112 and Functions and Relations 112• Total of three (3) sciences, including at least two (2) of the following:<ul style="list-style-type: none">◦ Biology 112 or Biology 122

POST SECONDARY ADMISSIONS REQUIREMENTS –EXAMPLES



Profile I

- High School Diploma **or** Adult High School Diploma **or** GED Diploma of High School Equivalency **or** Essential Skills Achievement Pathway: Post-Secondary Entry High School Diploma
- Pre-calculus 110 **or** Geometry and Applications in Mathematics 112 **and** Functions and Relations 112
- Total of **two (2)** sciences, including at least one (1) of the following:
 - Biology 112 or Biology 122
 - Chemistry 112 or 122
 - Physics 112 or 122

Profile J

- High School Diploma **or** Adult High School Diploma **or** GED Diploma of High School Equivalency **or** Essential Skills Achievement Pathway: Post-Secondary Entry High School Diploma
- Pre-calculus 110 **or** Geometry and Applications in Mathematics 112 **and** Functions and Relations 112
- Total of **three (3)** sciences, including at least two (2) of the following:
 - Biology 112 or Biology 122
 - Chemistry 112 or 122
 - Physics 112 or 122

POST SECONDARY ADMISSIONS REQUIREMENTS –EXAMPLES

UNB SCIENCES

New Brunswick Requirements



- English 122/Français 10411
- Pre-Calculus A 120/Mathématiques 30331C*
- Pre-Calculus B 120/Mathématiques 30411C
- Chemistry 122/Chimie 52411
- One of Biology 122/Biologie 53411, Physics 122/Physique 51411 or another provincially approved science**
- One elective – Group 1 or 2
- Minimum admission average 75%
- *Mathématiques 30411B is acceptable for admission. However UNB strongly recommends Mathématiques 30331C as the preferred pre-requisite to Mathématiques 30411C.
- **Biologie 53421 and Physique 51421 are acceptable for admission.
- ***Senior-year Mathematics, Chemistry and another approved science course are required for admission to this program. The average of the marks in senior Mathematics, Chemistry and the best other science course must be at least 75%. Students who present only Chemistry will be considered at the discretion of the Faculty.
- *Students who do not meet the admission requirements for direct entry to the Bachelor of Science degree program, but offer a minimum admission average of 70% may be given conditional admission into an entrance program to the extent that capacity allows.

POST SECONDARY ADMISSIONS REQUIREMENTS –EXAMPLES

UNB SCIENCES

Group 1

- Anglais 22411
- Astronomie 55411
- Biology 122
- Biologie 53411/53421
- Calculus 120
- Canadian Literature 120
- Chemistry 122
- Chimie 52411
- Computer Science 110 or 120
- Co-op Education 120
- Droit 86411
- Economics 120
- Économie 44411
- Éducation coopérative 88411

Group 2



- Introduction to Accounting 120
- Accounting 120
- Accounting 120 (computerized)
- Business Organization & Management 120
- Comptabilité 84411
- Marketing 122
- Native Studies 120

Group 3

- Art 110 or 120
- Art 91411
- Creation Musicale 92421
- Communications 120 (Media Studies 120)

POST SECONDARY ADMISSIONS REQUIREMENTS –EXAMPLES

STU - ARTS

Anglophone Schools



High school applicants must meet the following minimum requirements for admission to the Bachelor of Arts program at St. Thomas University:

- high school graduation (by end of August of the year in which students apply);
- minimum average of 70% on five successfully completed Grade 12 academic courses one of which must be English 122;
- four remaining academic electives chosen from the list below (please note that, where they exist, Level 1 courses and any of the following electives offered in a French Immersion program, are acceptable as substitutes for courses listed below).

- | | |
|---------------------------|--|
| • Biology 122 | • Mandarin 120 |
| • Calculus 120 | • Media Studies 120 OR Communications 120 OR |
| • Canadian Geography 120 | Digital Productions 120 OR Journalism 120 OR |
| • Canadian History 122 | Broadcast Journalism 120 OR FI Techniques de |
| • Canadian Literature 120 | Communication 120 OR Women, Media and |
| • Chemistry 122 | Culture 120 OR Gender, Media and Culture 120 |
| • Computer Science 120 | • Modern History 112 |

POST SECONDARY ADMISSIONS REQUIREMENTS –EXAMPLES

STU - ARTS

- Biology 122
- Calculus 120
- Canadian Geography 120
- Canadian History 122
- Canadian Literature 120
- Chemistry 122
- Computer Science 120
- Economics 120
- Post-Intensive French 120 OR French 122
- French Immersion Lang Arts 120
- Geology 120
- Introduction to Environmental Science 120
- Latin 120
- Law 120 OR Business Organization and Management 120 OR Introduction to Accounting 120 OR World Issues 120
- Mandarin 120
- Media Studies 120 OR Communications 120 OR Digital Productions 120 OR Journalism 120 OR Broadcast Journalism 120 OR FI Techniques de Communication 120 OR Women, Media and Culture 120 OR Gender, Media and Culture 120
- Modern History 112
- Native Studies 120 OR Indigenous Studies 120
- Oceanography 120
- Philosophy 120
- Physical Geography 110
- Physics 122
- Political Science 120
- Pre-Calculus 110 OR Foundations of Math 120
- Pre-Calculus A 120
- Pre-Calculus B 120
- Psychology 120
- Sociology 120
- Spanish 120
- Stats 120
- Theatre Arts 120 OR Dramatic Arts 120 OR Art 120 OR Visual Arts 120 OR Music 122 OR World Music 120



WHERE CAN I GET MORE INFORMATION?



RHS WEBSITE

TALK WITH YOUR TEACHERS

TALK WITH ADULTS YOU TRUST

TALK WITH GUIDANCE