

CNHS GRADE 10
COURSE REQUEST GUIDE
2021-2022



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INTRODUCTION

This guide is designed for students entering Grades 10 in the 2021-2022 school year. It is designed to help you choose courses that will meet the New Brunswick High School Graduation requirements for students graduating in 2024.

Students should:

1. Read through the entire booklet and write notes or highlight important information.
2. Choose the compulsory and optional courses that will enable you to qualify for a NB High School diploma.
3. Discuss the choices of courses at home. Speak with the CNHS Guidance Counselor, a teacher or administrator to ensure that the courses meet your needs.
4. Use the course selection sheet to choose courses that interest you and/or that you require. **Parents will need to review and sign the course selection sheet before it is submitted to your English teacher. Just a reminder that these are only requests, and sometimes a requested course may not be able to be offered.**

SCHOOL OFFICIALS WILL ADVISE STUDENTS, BUT THE ULTIMATE RESPONSIBILITY FOR COURSE SELECTION LIES WITH STUDENTS AND THEIR PARENT(S) OR GUARDIAN(S).

Receiving a graduation diploma does not guarantee admission to further education. It is the **responsibility of student and parents to ensure their course selections qualify students for admittance to further studies after high school.** Guidance Counselors are available to assist students with making the choices to help ensure students' goals are met.

THE SCHOOL RETAINS THE RIGHT TO WITHDRAW COURSES LISTED HERE. THIS COULD BE BASED ON REGISTRATION DATA, LOW ENROLMENT, OR AVAILABILITY OF TEACHING STAFF. SOME COURSES ARE OFFERED IN ALTERNATE YEARS.

Our VISION is to be:

SELFLESS
TRUSTWORTHY
AMBITIOUS
RESOURCEFUL
STUDENTS AND STAFF

The graphic features a large yellow star with a blue crescent moon and the letters 'CN' inside. Several smaller yellow stars are scattered to the right of the main text.

Our MISSION is to foster our **STARS** through:

- ★ A positive learning environment
- ★ Balanced academic programs
- ★ Diverse co-curricular and extra-curricular activities
- ★ Involvement and volunteerism in our communities

The graphic features a large yellow star with a blue crescent moon and the letters 'CN' inside.

General Information

Choosing Courses:

Each spring, high school students request courses for the following academic year. In grade 10, there is opportunity for students to request one or two elective courses, depending on which math pathway is chosen. It is important that students take time to carefully consider their options.

Students planning to go on to further education beyond high school, should request courses with care being aware of entrance requirements at various post-secondary schools. It is the student's responsibility to check entrance requirements for post-secondary education.

Graduation Requirements and Course Load Each Year:

Students are required to take a full course load of five (5) courses/credits each semester. All students must attempt 20 credits and complete four (4) semesters in order to be eligible for graduation. Students are required to successfully complete 18 of 21 credits to graduate. A student needing an additional semester, past the grade 12 year, may take the minimum number of courses to complete graduation requirements.

❑ Graduation Requirements = 18 credits which include the following 8 compulsory courses:

- ✓ English grade 11 A & B (2 credits)
- ✓ English grade 12 (1 credit)
- ✓ 1) Numbers, Relations, and Functions 10 AND Foundations of Mathematics 11
OR
- 2) Numbers, Relations, and Functions 10 AND Financial and Workplace Mathematics 110
OR
- 3) Financial and Workplace Mathematics 11 AND Financial and Workplace Mathematics 12 (2 credits)
- ✓ Modern History grade 11 (1 credit)
- ✓ Science (1 credit)
- ✓ Fine Arts/Life Role Development (1 credit)

Elective Courses:

Elective courses are designed to allow students flexibility in completing their requirements for graduation. Students may choose a broad program, or they may choose to concentrate in one specialized area of the curriculum, such as Science, Business Education, or Skilled Trades and Technology. Elective courses may be selected from any of the compulsory clusters (English Language Arts, Math, Science, History, or Fine Arts/Life Role Development) or from any of the prescribed courses. All courses are described on pages 15-17.

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.

Examples: Wellness 110, Law 120

Level 2 courses are academic/university/college preparatory.

Examples: Music 112, Biology 122

Level 3 courses are general/college preparatory.

Examples: Modern History 113, English 123

Pre-requisites, Recommended Prerequisites and Co-requisites:

Many courses have prerequisites, co-requisites or recommended prerequisites. Please read the course descriptions and requirements carefully prior to requesting courses, as many courses have pre-requisites. Many courses must be taken in sequence to fulfill the pre-requisite; **students without pre-requisites cannot be allowed to take the course.**

A **prerequisite** is a course that must have been successfully completed prior to enrolling in a certain course. A

recommended prerequisite is a course strongly suggested to have been successfully completed prior to enrolling

in a certain course. A **co-requisite**: A course that, if not previously completed, must be taken during the same semester as a certain course.

Prerequisite, Co-requisite & Recommended Prerequisite Guide

Course	Prerequisite	Co-requisite	Recommended Prerequisite
MATH:			
Financial Workplace 110	GMF 10		
Financial Workplace 120	Financial Workplace 110 or Foundations 110		
Foundations 110	GMF 10 & NRF 10		70%+ in Grade 10 NRF
Foundations 120	Foundations 110		
Pre-Calculus 110	Foundations 110 OR	Foundations 110	70%+ in Foundations 110
Pre-Calculus 120A	Pre-Calculus 110		
Pre-Calculus 120B	Pre-Calculus 120A OR	Pre-Calculus 120A	
Calculus 120	Pre-Calculus 120B		
NBCC Trades Math 120	Financial Workplace Math 110		
ENGLISH COURSES:			
English 112	English 10		70%+ in Eng. 10 and ELPA
English 122	English 112		
English 113	English 10		
English 123	English 113 or 112		
Journalism	English 11		
SOCIAL STUDIES:			
Modern History 112	Social Studies 10		70%+ in Social Studies 10
Modern History 113	Social Studies 10		
Canadian History 122			Modern History 11
World Issues 120	History 11		
Political Science 120	Social Studies 10		
SCIENCES:			
Biology 112	Science 10		70%+ in Science 10
Biology 122	Science 10		
Human Physiology 110	Science 10		
Chemistry 112	Science 10	Foundations 110	
Chemistry 122	Chemistry 112 & Foundations 110		
Physics 112	Science 10	Foundations 110	
Physics 122	Physics 112 & Foundations 110		
Environmental Science 120	Science 10		
APPLIED TECHNOLOGY:			
Automotive Electrical 120	Science 10, GMF 10		
Introduction to Electronics 110	Science 10		GMF 10 & NRF 10
Metal Processing 120	Metal Processing 110		
Intro to Prod Welding & Coop 120			Metal Fabrication 110
FINE ARTS & MUSIC:			
Visual Arts 120	Visual Arts 110		
Music 122	Music 112		
FRENCH & IMMERSION:			
Post Intensive French 110	Post Intensive French 10		
Post Intensive French 120	Post Intensive French 110		
FI Language Arts 110	FI Language Arts 10		
FL Language Arts 120	FI Language Arts 110		
FI Modern History 112	FI Social Studies 10		
FI World Issues 120	FI History		
LIFE AND WELLNESS:			
Wellness 110	Health & Physical Education 10		
Culinary Technology 120	Culinary Technology 110		

Course Fees:

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

Transcripts:

All grade 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. It is the official document required by post-secondary institutions to verify a student's academic record.

Transfer Students:

Students transferring to CNHS 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.

The Four Year High School – English (Prime) Program Example

Grade 9	Grade 10	Grade 11	Grade 12
English 9 (full year)	English 10 (full year)	English 112 or English 113 (Full year = 2 credits)	English 122 or English 123 (One semester = 1 credit)
Math 9 (full year)	GMF 10	Foundations 110 or Financial Workplace Math 110 (One semester = 1 credit)	Financial Workplace Math 120 or NBCC Trades Math 120 <i>required for those who did not take NRF in grade 10</i> (One semester = 1 credit)
	NRF 10 <i>(required if taking Foundations Math or Calculus pathways.</i> (One semester = 1 credit)		
Science 9 (One semester)	Science 10 (One semester)	Science (At least one semester = 1 credit)	Elective (One semester = 1 credit)
Social Studies 9 (One semester)	Social Studies 10 (One Semester)	Modern History 112 or Modern History 113 (One semester = 1 credit)	Elective (One semester = 1 credit)
French (PIF) 9 (One semester)	French (PIF) 10 (One Semester)	Fine Arts/Life Role development (At least one semester = 1 credit)	Elective (One semester = 1 credit)
Health & Physical Education (HPE) 9 (One semester)	Health & Physical Education (HPE) 10 (One semester)	Elective (One semester = 1 credit)	Elective (One semester = 1 credit)
Visual Arts 9 (45 hours = One term)	Music 10 (45 hours = One term)	Elective (One semester = 1 credit)	Elective (One semester = 1 credit)
Broad Based Technology (BBT) 9 (45 hours = One term)	Broad Based Technology (BBT) 10 (45 hours = One term)	Elective (One semester = 1 credit)	Elective (One semester = 1 credit)
Personal Development/Career Planning (PDCP) 9 (One Semester)	IF NRF selected, then choose 1 elective (One semester = 1 credit)	Elective (One semester = 1 credit)	Elective (One semester = 1 credit)
	If NRF not selected, then choose 2 electives (One semester = 1 credit)		Elective (One semester = 1 credit)

FRENCH IMMERSION (FI) CERTIFICATE PROGRAM

Students in French Immersion take five (5) FI courses in Grade 9 and five (5) FI courses in Grade 10. Students in French Immersion, who wish to maintain and improve their proficiency level, are required to take a minimum of five (5) French Immersion courses in grades 11 and 12. Students can take three (3) FI courses in Grade 11 and two (2) FI courses in Grade 12 or students can take two (2) FI courses in Grade 11 and three (3) FI courses in Grade 12.

CERTIFICATE OF IMMERSION

This certificate is issued by Anglophone School District West (ASD-W) and is offered to all students who have completed at least **ten** courses in the **Immersion Program** during grades 10, 11 and 12. The certificate is awarded to students with their diploma at graduation.

The Four Year High School – French Immersion (FI) Program Example

Grade 9 (Five FI)	Grade 10 (Five FI)	Grade 11 (two or three FI)	Grade 12 (two or three FI)
English 9 (full year)	English 10 (full year)	English 112 or English 113 (Full year = 2 credits)	English 122 or English 123 (One semester = 1 credit)
FI Math 9 (full year – counts as two FI courses)	FI GMF 10	Foundations 110 or Financial Workplace Math 110 (One semester = 1 credit)	Financial workplace Math 120 or NBCC Trades Math 120 <i>required for those who did not take NRF in grade 10</i> (one semester = 1 credit)
			Elective (One semester = 1 credit)
Science 9 (One semester)	FI NRF 10 (<i>required if taking Foundations Math or Calculus pathways.</i>) (one semester = 1 credit)	Science (At least one semester = 1 credit)	Elective (One semester = 1 credit)
FI Social Studies 9 (One semester)	FI Social Studies 10 (One Semester)	FI Language Arts (FILA) 110 (One semester = 1 credit)	Elective (One semester = 1 credit)
FI Language Arts (FILA) 9 (One semester)	FI Language Arts (FILA) 10 (One Semester)	Fine Arts/Life Role development (At least one semester = 1 credit)	FI Language Arts (FILA) 120 (One semester = 1 credit)
FI Health & Physical Education (HPE) 9 (One semester)	FI Health & Physical Education (HPE) 10 (One semester)	Elective: FI Culinary Tech 110 (One semester = 1 credit)	Elective (One semester = 1 credit)
Visual Arts 9 (45 hours = One term)	Music 10 (45 hours = One term)	Elective: FI Law 120 (One semester = 1 credit)	Elective: FI Law 120 (One semester = 1 credit)
Broad Based Technology (BBT) 9 (45 hours = One term)	Broad Based Technology (BBT) 10 (45 hours = One term)	Elective: FI World Issues 120 (One semester = 1 credit)	Elective: FI World Issues 120 (One semester = 1 credit)
Personal Development/Career Planning (PDCP) 9 (One Semester)	If FI NRF not selected, Must take FI Cul Tech 110 (One semester = 1 credit)	Elective: FI Writing 110 (One semester = 1 credit)	Elective: FI Writing 110 (One semester = 1 credit)
		Elective: FI Mod History 110 (One semester = 1 credit)	Elective (One semester = 1 credit)

CERTIFICATE OF SECOND LANGUAGE PROFICIENCY

The Grade 12 French Oral Proficiency Interview is mandatory for all Grade 12 Post Intensive French students registered in at least one French course, as well as all Grade 12 French Immersion students registered in at least a total of 5 courses while in Grades 11 and 12. The assessment fee is waived for these students. Although it is mandatory for these students only, other Grade 12 Anglophone students registered in a French second language course may participate in the oral proficiency interview in order to obtain their French oral proficiency certificate. Students who are not in Grade 12, not enrolled in a French second language course or course offered in French, or francophone students, do not participate in the oral proficiency interviews. The fee is \$60 for other students who wish to be assessed. The certificate states that the student has achieved a level of proficiency as defined by Early Education Childhood Development (EECD). Students demonstrate mastery of spoken French in a face-to-face situation with a trained language interviewer. The interview assesses pronunciation, grammatical accuracy, vocabulary, fluency, and listening comprehension. It produces a single, overall language proficiency score based on a scale from “Not Ratable” to “Superior”. Some levels may have a plus which indicates that proficiency is higher than the level shown, but not high enough to warrant the next level. The certificate is presented upon completion at the end of the semester.

Language Proficiency Levels:

Not Ratable: Demonstration of functional ability in the language is nil.

Novice: Student is able to satisfy immediate needs using rehearsed phrases. No real autonomy of expression, flexibility or spontaneity. Can ask questions or make statements with reasonable accuracy **only** with memorized phrases or formulae. Vocabulary is limited to areas of immediate needs. Attempts at creating speech are usually unsuccessful.

Basic: Some creation with language is evident. Student is able to satisfy minimum courtesy requirements and maintain very simple face-to-face interaction with native speakers used to dealing with second language learners. Almost every utterance contains fractured syntax and grammatical errors. Vocabulary is adequate to express most elementary needs.

Basic Plus: Student is able to initiate and maintain predictable face-to-face conversations and satisfy limited social demands. Shows spontaneity in language production, but fluency is very uneven. Range and control of the language is limited.

Intermediate: Student is able to satisfy routine social demands and limited work requirements; handles most social situations with confidence but not with facility. These include introductions and casual conversations about current events, as well as work, family and autobiographical information, can give directions from one place to another. Has a speaking vocabulary sufficient to respond simply with some circumlocutions; accent, though often quite faulty, is intelligible; can usually handle elementary constructions quite accurately but does not have thorough or confident control of grammar. In complex situations, language usage generally disturbs the native speaker.

Intermediate Plus: Student is able to satisfy most work requirements and show considerable ability to communicate on concrete topics relating to particular interests and special fields of competence; often shows remarkable fluency and ease of speech, yet under tension or pressure language may break down; generally strong in either grammar or vocabulary but not both; normally controls general vocabulary with very little groping for every day words; participates in most formal and all informal conversations on practical, social and professional topics, although comprehension may be faulty at times.

Advanced: Able to speak the language with sufficient structural accuracy and vocabulary to participate effectively in most formal and informal conversations on practical, social and professional topics. Knowledge of vocabulary is broad enough that the speaker rarely has to grope for a word; accent may be obvious. Control of grammar good; errors virtually never interfere with understanding and rarely disturb the native speaker. Comprehension is quite complete.

Advanced Plus: Able to speak the language with sufficient structural and lexical accuracy that participation in conversations in all areas poses no problem. Accent is still faulty, and the speaker occasionally exhibits hesitancy, which indicates some uncertainty in vocabulary or structure.

Superior: Able to use the language fluently and accurately on all levels normally pertinent to professional and participate in any conversation within the range of personal and professional experience with a high degree of fluency and precision of vocabulary. Accent is good, but the speaker would rarely be taken for a French first language speaker.

MATHEMATICS PROGRAM PATHWAYS

Students expected to graduate in June 2024 must complete 18 credits for high school graduation. Two (2) of these credits must be math credits. Grade 10 Numbers, Relations and Functions is considered a math credit as well as all grade 11 and 12 math courses within the three math graduation pathways. Students should seek advice from their Grade 10 math teacher regarding the pathway that best suits their ability and interests. Should further information be required, Guidance Counsellors and/or Math teachers may be contacted.

The graphic below summarizes the three mathematics pathways and courses currently offered.

Mathematics K-9

Grade 10

- All students are required to successfully complete Geometry, Measurement, and Finance 10.
- Number, Relations and Functions 10 is a credit course for high school graduation, it is a prerequisite course prior to the Foundations of Mathematics and Calculus mathematics pathways.

**Geometry, Measurement
and Finance 10**

**Number, Relations and
Functions 10**

Grade 11

- Students must successfully complete Geometry, Measurement and Finance 10 before enrolling in Financial and Workplace Mathematics 11.
- Students must successfully complete Geometry, Measurement and Finance 10 and Number, Relations and Functions 10 before enrolling in Foundations of Mathematics 110.
- Students must successfully complete Foundations of Mathematics 110 (as well as successfully complete both Grade 10 mathematics courses) before enrolling in Pre-Calculus 110.

**Financial and Workplace
Mathematics 110**

Pre-requisite:
*Geometry, Measurement and
Finance 10*

**Foundations of
Mathematics 110**

Pre-requisites:
*Geometry, Measurement and
Finance 1 and
Number, Relations and
Functions 10*

Pre-Calculus 110

Pre-requisite or Co-requisite:
*Foundations of
Mathematics 110*

Grade 12

- Students must successfully complete Financial and Workplace Mathematics 110 or Foundations of Mathematics 110 before enrolling in Financial and Workplace Mathematics 120.
- Students must successfully complete Foundations of Mathematics 110 before enrolling in Foundations of Mathematics 120.
- Students must successfully complete Pre-Calculus 110 before enrolling in Pre-Calculus A 120.

**Financial and Workplace
Mathematics 120**

Pre-requisite:
*Financial and Workplace
Mathematics 110 or
Foundations of Mathematics 110*

**Foundations of
Mathematics 120**

*Pre-requisite: Foundations of
Mathematics 110*

Pre-Calculus A 120

Pre-requisite: Pre-Calculus 110

Pre-Calculus B 120

Pre-requisite or Co-requisite:
Pre-Calculus A 120

Calculus 120

Pre-requisites:
*Pre-Calculus A 120 and
Pre-Calculus B 120*

Pathways for University

Students planning to apply to a university upon high school graduation should carefully select courses for grades 11 and 12. This applies particularly to the 121/ 122 or 120 courses. It is important for students to confirm that particular subjects are accepted as entrance credits at their chosen universities.

Students must also make certain they complete a sufficient number of these entrance credits. **It is imperative to check with selected universities.** A general guideline is a minimum of five (5) such credits for Maritime universities and a minimum of six (6) for Ontario universities. **It is an excellent idea to have at least one more acceptable credit than the required minimum.**

PLEASE NOTE: IT IS THE STUDENT’S RESPONSIBILITY TO CHECK ENTRANCE REQUIREMENTS FOR POST SECONDARY EDUCATION. You should check out websites or contact admissions advisors.

The following chart is intended to give students and parents **examples** of which high school subjects satisfy admission requirements to selected university programs. **These are only suggestions. University admission requirements will vary among institutions. Always refer to the university website or calendar or consult your high school guidance counselor.**

Degree	Required Courses
Arts(BA)	English 121/2
Science (BSc)	English 121/2, Pre-Calculus A120/B120, Two out of Biology 12, Physics 12, Chemistry 12 (UNB requires Chemistry 12 and 1 of Biology 122 OR Physics 12)
Commerce (B. Com) Business	English 12, Foundations of Mathematics 120 or Pre-Calculus A120 & Pre-Calculus B120
Engineering (BEng)	English 121/122, Pre-Calculus A120/B120, Chemistry 12, Physics 12
Nursing (BN)	English 121/122, (UNB, for example, requires Pre-Calculus 110 or Foundations of Mathematics 120, Chemistry 12, Biology 12)
Computer Science (BCSc)	English 121/2, Pre-Calculus A120/B120, (UNB requires Chemistry 12 or Physics 12)
Fine Arts (BFA)	English 121/2, (Art Portfolio or Music Audition is usually required.)

Canadian universities typically accept these electives:
 Calculus 120
 Pre-Calculus A120/B120 Foundations of Mathematics 120 Biology 121/122
 Canadian Geography 120
 Canadian History 120
 Canadian Literature 120 FI Canadian History 120
 Chemistry 121/2 Economics 120
 French 122
 FI Language Arts 120 Physics 121/2 Political Science 120

Please consult the selected university when considering the following electives for admission:

Business Org. & Man. 120	Enviro Science 120
Computer Science 120	PE Leadership 120
World Issues 120	Journalism 120
FI World Issues 120	Visual Arts 120
Int. to Accounting 120	Coop Ed 120
Music 120	Media Studies 120
Theatre Arts 120	Law 120

Pathways for Community/Private College

Students planning to apply to a college upon high school graduation should also take care in choosing their high school courses. Admission requirements often differ significantly from program to program and institution to institution. Particular programs may require certain high school courses, a portfolio, a personal interview, or other additional qualifications. It is important for students to confirm that specific subjects are accepted as admission requirements at their chosen colleges.

New Brunswick Community College (NBCC) programs are delivered at specific campuses in Moncton, Saint John, Fredericton, Woodstock, Bathurst, Edmundston, and Miramichi. Refer to the NBCC website for the exact location of the program in which you are interested. Check with your CNHS guidance counselor.

Public Colleges - Offer a wide selection of many programs in many campus locations. Regional institutions include *New Brunswick Community College* (7 campuses), *Nova Scotia Community College* (14 campuses), *Holland College* (8 campuses across PEI), and *New Brunswick College of Craft & Design* (Fredericton). Public colleges receive funding from the government therefore have lower tuition fees.

Private Colleges - Sometimes called *Career* or *Vocational* colleges, feature a huge variety of programs that often focus on one or two employment sectors. Examples of Moncton area colleges include *Oulton*, *Eastern*, *BayTech*, *Jon Raymond*, *Majestany*, *McKenzie*, *Medes*, *Medavie HealthEd*, and *Moncton Flight College*. Fees tend to be higher because tuition must cover all operating expenses; these are private businesses and do not receiving funding from the government.

University Transfer or Articulation Agreements or 2 + 2 Programs are formalized agreements between universities and colleges that allow students to combine the college and university studies and graduate with a Bachelor's degree. Please note that not all programs offer articulation agreements.

Always check with college websites to confirm specific program requirements!

It's important to research programs that may offer similar training but have different admission requirements.

How to Apply:

Public Colleges – Online

- Application form
- Fee (\$25 - \$60)
- Transcript

Private Colleges

Interested students are often encouraged to make an appointment with an admissions representative to determine if the program is right for you.

Admission Requirements

Many college programs accept a high school diploma (e.g. completion of the required 17 credits) while others require specific courses.

Some examples:

- Practical Nurse: Science(s)
- Business: Math(s)
- Technology: Math(s) and Science(s)

Either English level 2 **or** 3 is acceptable for many college programs. **STUDENTS MUST CHECK REQUIREMENTS.**

The following chart is intended to give students and parents **examples** of which high school courses and diplomas satisfy admission requirements to selected college programs.

For more precise admission information you are encouraged to contact the college directly or refer to the college calendar or website. Also consult your high school guidance counselor.

Pathways for Community/Private College

College	Program	Admission Requirements
New Brunswick Community College (NBCC)	Accounting Technician, Automotive Service Technician, Bricklaying, Early Childhood Education, Education Assistant, Electrical, Hospitality and Tourism Operations, Human Services, Machinist, Office Administration, Police Foundations, Refrigeration and Air Conditioning Technician, Sheet Metal Fabrication	HS Diploma, Adult HS Diploma, or GED Diploma of HS Equivalency English 122 or 123 Financial and Workplace Mathematics 110 or Foundations of Mathematics 110
New Brunswick Community College (NBCC)	Business Administration, Business Administration: Sales and Marketing, Business Administration: Accounting, Business Administration: Investment Management, Business Administration: Marketing, Civil Technician, Electronic Game-3D Graphics, Welding Engineering Technology,	HS Diploma, Adult HS Diploma, or GED Diploma of HS Equivalency English 122 or 123 Foundations of Mathematics 110
New Brunswick Community College (NBCC)	Health Information Management, Medical Laboratory Assistant, Pharmacy Technician, Process Control Technical	HS Diploma, Adult HS Diploma, or GED Diploma of HS Equivalency English 122 or 123 Foundations of Mathematics 110 2 Sciences from Biology 112 or 122, Chemistry 112 or 122, Physics 112 or 122
New Brunswick Community College (NBCC)	Chemical Technology (Co-op), Civil Engineering Technology (Building Systems, Architectural, Construction Management, Highway and Municipal), Civil Engineering: Structural, Electrical Engineering Technology (Generation and Distribution, Alternate Energy Systems, Electronics Design and Embedded Systems), Communication Systems (Co-op), Electronics Engineering Technology (Industrial, Telecommunications), Energy Systems Technology (Sustainable Energy), Environmental Technology, Industrial Control Technology (Co-op), Mechanical Drafting and Design, Mechanical Engineering Technology (Co-op), Power Engineering Technology (Co-op)	HS Diploma, or Adult HS Diploma, or GED Diploma of HS Equivalency English 122 or 123 Pre-Calculus 110 2 Sciences from Biology 112 or 122, Chemistry 112 or 122, Physics 112 or 122
New Brunswick Community College (NBCC)	Practical Nurse	HS Diploma, or Adult HS Diploma or GED Diploma of HS Equivalency English 122 or 123 Financial and Workplace Mathematics 110 or Foundations of Mathematics 110 1 Science from Biology 112 or 122, Chemistry 112 or 122, Physics 112 or 122
Nova Scotia Community College (NSCC)	Aircraft Maintenance Engineer, Architectural Engineering Technician, Civil Engineering Technician, Electrical Engineering Technology, Health Information Management, Mechanical Engineering Technology, Medical Laboratory Technology (minimum grade of 70%), Pharmacy Technology, Practical Nursing	For all programs that state admission requirements for Academic Grade 12 Math, Foundations of Mathematics 120 is required.
NB College of Craft and Design	All programs	It is recommended that students take either Financial and Workplace Mathematics 120 or Foundations of Mathematics 120 for admission.
Maritime College of Forest Technology	All programs	It is recommended that students take Foundations of Mathematics 120 for admission.
Nova Scotia Agriculture College (NSAC)	Bachelor of Science (Agriculture), and Pre- Veterinary Medicine, Engineering, Bachelor of Technology in Applied Science, Diploma in Veterinary Technology	Students will need to successfully complete both Pre- Calculus A120 and B120 (or achieve 70% or greater in Foundations of Mathematics 120) for admission to these programs.

GRADUATION REQUIREMENTS CHECKLIST

☐ Students must meet the requirements of the prescribed common curriculum of the Grades 9/10 program of studies. Check the programs below and identify any course that a student still needs to complete. Completing Information Technology outcomes in BBT 9 and 10 satisfies the Computer Literacy requirement for graduation.

GRADE 9 PROGRAM OF STUDIES at CNHS for 2019-2020

English (Prime) Program	French Immersion (FI) Program (FI students must take 5 courses in French)
English 9 Math 9 Social Studies 9 Science 9 Post-Intensive French (PIF) 9 Health and Physical Education (HPE) 9 Personal Development & Career Planning (PDCP) 9 Broad Based Technology (BBT) 9 Visual Arts (VA) 9	English 9 FI Math 9 (Counts as 2 FI courses) FI Social Studies 9 (1 FI course) Science 9 French Immersion Language Arts (FILA) 9 (1 FI course) FI Health and Physical Education (FIHPE) 9 (1 FI course) Personal Development & Career Planning (PDCP) 9 Broad Based Technology (BBT) 9 Visual Arts 9

GRADE 10 PROGRAM OF STUDIES at CNHS for 2018-2019

English (Prime) Program	French Immersion (FI) Program (FI students take 5 courses in French)
English 10 Geometry Measurement & Finance (GMF) 10 Numbers and Relations (NRF) 10 OR Elective Course Social Studies 10 Science 10 Post-Intensive French 10 Health and Phys. Ed 10 Broad Based Technology 10 Music 10 One Elective Course	English 10 FI Geometry Measurement & Finance (GMF) 10 (1 FI course) FI Numbers and Relations (NRF) 10 (1 FI course) FI Social Studies 10 (1 FI course) Science 10 French Immersion Language Arts (FILA) 10 (1 FI course) FI Health and Phys. Ed (FI HPE) 10 (1 FI course) Broad Based Technology (BBT) 10 Music 10 One Elective Course

☐ Success on the English Language Proficiency Assessment (ELPA) is required. Students must acquire a literacy credential by achieving 'Acceptable' or better on the reading components of the English Language Proficiency Assessment (ELPA) in grade 9. Students who are unsuccessful in Grade 9 are provided further support in grade 10. Students unsuccessful in Grade 9 have the opportunity to write the English Language Proficiency Re-Assessment (ELPR) in their grade 11 and 12 years. Special circumstances could result in an exemption for the student. Please consult the school for further information.

☐ Students must successfully complete either the Post Intensive French (PIF) or French Immersion Language Arts (FILA) course at the grade 10 level.

☐ Students must complete 2 Mathematics credits before graduation.

☐ Students must have an English 12 credit and a minimum of four other credits at the grade 12 level.

☐ Students must have a minimum 18 credits including the following 7 compulsory credits:

☐ English grade 11 (**2 credits**)

☐ English grade 12 (**1 credit**)

☐ NRF 10 or another Math course at the grade 12 level (**1 credit**)

☐ Financial and Workplace Mathematics 11 **or** Foundations of Mathematics 11 (**1 credit**)

☐ Modern History grade 11 (**1 credit**)

Continued on next page

Science (1 credit) from:

Auto Electrical Systems 120 (if used as a Life Role credit, it is not permitted to use as a Science)
Biology 112/122
Chemistry 112/122
Human Physiology 110
Introduction to Electronics 110
Introduction to Environmental Science 120
Physical Geography 110 (only available on-line)
Physics 112/122

(Note there are prerequisites for some of these courses – see page 5 for details)

Fine Arts/Life Role Development (1 credit) from:

Auto Electrical Systems 120 (if used as a Science credit, it is not permitted to use as a Life Role)
Career Explorations 110
Cooperative Education 120
Culinary Technology 110/120
Dramatic (Theatre) Arts 120
Entrepreneurship 110
Fashion Technology 110
FI Culinary Technology 110
Fine Arts 110 (available online only)
Framing and Sheathing 110
Housing and Interior Design 120
Internal Combustion Engines 110
Introduction to Applied Technology 110
Graphic Art & Design 110
Goals, Growth and Grit 120
Individual and Family Dynamics 120
Metals Fabrication 110
Metals Processing 110/120
Mill and Cabinet Work 120
Music 112/113/122/120
Nutrition for Healthy Living 120
Outdoor Education 110
Physical Education Leadership 120
Power Train and Chassis 110
Residential Finish 120
Visual Arts 110/120
Wellness through Physical Education 110

(Note there are prerequisites for some of these courses – see page 5 for details)

Graduation requirements for a student with a Personalized Learning Plan (PLP) may vary.

A Personalized Learning Plan (PLP) is a plan for students that specifically identifies practical strategies, goals, outcomes, and educational supports to help students be successful.

A **PLP** can contain one or all of the following domains:

- Justified Accommodations:** Justified Accommodations are strategies, technologies or adjustments without which a learner would not be able to access the curriculum or demonstrate their knowledge.
- Ind** (Individualized Plans): Individualized plans are for students who need planning outside of the curriculum.
- Adjusted Curriculum:** A course is adjusted when grade level curriculum outcomes of a subject have been altered, deleted or added in order to address the specific needs of the learner. The integrity (general intent) of the course is maintained while the depth of treatment of the outcomes has been altered or deleted.

Please choose your courses carefully.

- The number of classes offered in any given subject is dependent upon the number of students choosing that course at the time of the course selection.
- Once registered for a course, a commitment to regular attendance and course completion is expected.

When all timetables are deemed ready and the school schedule is settled, timetables will be distributed for the upcoming school year to all students at the same time-typically the first day of school. **We are unable to entertain requests for early access to your timetable.**

The following courses are the elective courses available to Grade 10 students at CNHS. Choose carefully.

MATH

FINANCIAL & WORKPLACE MATH 110

Prerequisite: GMF10

-Students selecting this course will be eligible to take it semester 2 next year.

-If students do not select NRF 10, at some point, they must take this course.

This course is the first of two courses in the Financial and Workplace pathway designed for entry into post-secondary trades and technical programs, or for direct entry into the work force. Concepts of right triangles, trigonometry, and angles of elevation and depression are applied to contextual problems. 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. Costs and benefits of renting, leasing and buying are explored, investment portfolios analyzed and personal budgets developed. Students manipulate and apply formulas in a variety of ways and solve problems using proportional reasoning and unit analysis. Students have a choice of this course or **Foundations of Mathematics 11** to complete graduation requirements.

ENGLISH & RELATED COURSES

DRAMATIC (THEATRE) ARTS 120

Theatre Arts 120 will cover the major aspects of theatre performance, including acting and interpretation, stagecraft, play management, and theatre history. The course will capitalize on the individuality, confidence, creativity, and communication abilities of the student. Theatre Arts 120 is an elective course for students in Grade 11 and 12 who have an interest in theatre. Additional project and performance work outside of class time will be required. This course meets the Fine Arts/Life Role Development graduation requirement.

WRITING 110

The course provides an opportunity for students to improve their writing skills, including those who write well but wish to improve their skills, and those who have some difficulties and would benefit from this "writing lab" approach. Students will study the writing process and complete a comprehensive portfolio of exercise, experimentations, and finished work.

SOCIAL STUDIES

MODERN HISTORY 112

Prerequisite: Social Studies 10 (recommended mark 70%)

NOT FOR FRENCH IMMERSION STUDENTS

History 112 is designed to highlight significant events in Western Modern History which are to be critically examined based upon three criteria: historical knowledge, historical thinking, and making connections. This course uses a chronological approach (Enlightenment – Cold War), however connections are made to contemporary events. It is an overview of the major changes in political, social, and economic institutions. Units of study include: the French Revolution, Industrial Revolution, Nationalism, World War I, the post-WWI period, the rise of Fascism, Holocaust, World War II, the post-World War II period, and the Cold War. In addition, it assists students in understanding and using several historical thinking concepts, such as recognition of a frame of reference, asking questions, forming hypothesis, and evaluating hypothesis.

MODERN HISTORY 113

Prerequisite: Social Studies 10

NOT FOR FRENCH IMMERSION STUDENTS

History 113 is designed to introduce students to some of the major historical events which have occurred since the eighteenth century. It emphasizes a western European frame of reference. The units of study may include, but are not limited to: The French Revolution, World War I, The Depression, The Holocaust, World War II, and The Cold War. History 113 also emphasizes historical knowledge, historical thinking and making connections.

SCIENCES

BIOLOGY 112

Prerequisite: Science 10

Recommended Prerequisite: Strong science and math abilities (70% in Science 10)

This course is the first of two Biology courses. Topics that will be covered include: microscopy, cellular organics, principals of taxonomy, microorganisms, kingdoms of life and human physiology. (Digestion, Excretion, Circulation, Blood and Immunity and Breathing). Students will take part in laboratory sessions and will be assigned projects based on curriculum components.

HUMAN PHYSIOLOGY 110

Prerequisite: Science 10

The goal of this course is to build an understanding of the physiology of the human body. This course focuses on developing an understanding of the structure and functioning of each human body system, including the causes, symptoms, and treatments of diseases and conditions. This includes the ways in which the health of each system impacts on, and is impacted by the health of the whole body. By the end of the course students will have developed a holistic personal wellness plan, demonstrating their understanding of overall health, human physiology and the effect of disease and life style choices. (Note: much of the material on systems of the body are also covered throughout the 112 and 122 courses.)

APPLIED TECHNOLOGY

INTRODUCTION TO APPLIED TECHNOLOGY 110

Whether you are a trades-oriented person or academic this is a good course to take! You will receive valuable hands-on training and have a chance to learn valuable life skills. You will learn how to competently and safely use various tools in settings that may include work with metals, engines and/or wood. This course requires safety glasses and steel-toed boots. Coveralls are also recommended. This course has a lab fee.

FRAMING AND SHEATHING 110

This course will provide students with skills and knowledge associated with the framing-in or shell construction of typical single family dwellings. Students will learn the safe operation of carpentry tools and equipment. Emphasis will be placed upon the interpretation of the National Building Code, blueprint reading, and estimating and material layout. This course will be of interest to students exploring career opportunities in the building construction industry. This course requires safety glasses and steel-toed boots. Coveralls are also recommended. This course has a lab fee.

MILL AND CABINET WORK 120

Students in this course build a series of wooden products to learn the safe operation of woodworking tools and equipment, project planning and estimating and finish 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. This course requires safety glasses and steel-toed boots. Coveralls are also recommended. This course has a lab fee.

BUSINESS AND TECHNOLOGY

HOSPITALITY AND TOURISM 110

The Hospitality/Tourism industry is identified in Canada and particularly New Brunswick, as a rapidly growing industry. This course will provide students with lifelong learning skills that are transferable to future learning and/or the hospitality and tourism industry. The student will acquire career information, skill development, and the talents for employment. This course relies on resource based learning, practical experiences, access to resource people and information that will help the individual in his/her career choice. Topics include the four main sectors of the tourism industry, influences on the tourism industry, personal and interpersonal skills regarding career opportunities available, travel industry and marketing strategies.

FINE ARTS & MUSIC COURSES

GRAPHIC ART AND DESIGN 110

This course gives students a chance to pursue the commercial side of art production. The course focuses on topics such as advertising layout, logo design, designing for the media, such as CD covers, posters, magazine covers, and 3D design. Students who are interested in pursuing a career in graphic design will find that the course provides a useful springboard for post-secondary studies. For other students, it will serve to sharpen their visual awareness and visual presentation skills. Digital imaging and computer graphics are components of the course, but it should be noted that this is an Art course, rather than a Technology course. There is a course fee of \$10.00. Students are provided with all the supplies they need, including a kit of personal drawing/design materials.

MUSIC 112 (General)

This course consists of practical performance (playing an instrument), music theory, listening, and music technology and music history. This course is designed for students who have had previous musical experience in addition to the music component provided in the Music 10 program. A student registering for this course will be expected to be musically literate and be able to play an instrument at more than a beginner level. Most instruments are available but in some circumstances students may be required to provide their own instrument for this course. Final project will include writing and performing an original song.

MUSIC 113 (General)

This course consists of practical performance (playing an instrument), music theory, listening, and music technology and music history. This course is designed for students who have had little or no previous musical experience in addition to the music component of the Music 10 course. A student registering for this course will be expected to work from a beginner level to increase their playing ability as well as their ability to read and write music. Most instruments are available but in some circumstances students may be required to provide their own

instrument for this course.

MUSIC 112/113 (Vocal)

This course is similar to the courses described above except the performance requirements will be met with voice (not an instrument). Students will sing individually, in small ensembles and as a full class. **All students who take this course will be singing as their performance experience.**

LIFE AND WELLNESS STUDIES

FASHION TECHNOLOGY 110

This course explores the various techniques and equipment used in the Fashion Industry to construct and assemble various garments and products within the Industry. The students will examine the world of textiles including such areas as natural and man-made classification of fibers, yarn and fabric structure and finishing fabrics. Learning involves basic construction techniques, small projects and completions of personal garment. Students will learn the operation of sewing machines and sergers. There will be a lab fee with this course.