

2018-2019

Course

Description

Booklet

Bridgetown Regional Community School

Bridgetown Regional Community School - Grade 10-12

Guide to Graduation Requirements

And 2018-2019 Course Registration

1. This booklet should be read by both students and parent/guardians.
2. Next year's courses will be shown as a schedule, allowing you to select courses that fit together..
3. The school counsellor will check your choices before they are entered into the computer.
4. Classes will be called to the computer lab to enter selections into PowerSchool
5. Modifications to individual schedules or the master schedule may be made if classes are too large or too small

Note: If you do not complete your course selection at the given time, it will be considered late. Selections completed on time are given first priority if courses are full.

Parent Information Session

Parents and students who will be registering for **Grade 10** courses are invited to attend an information/registration session. This session will include information about all aspects of Grade 10 registration. The meeting will be held when next year's preliminary schedule is available, sometime in April. Parents will be notified of the date by the automated phone system, and students will receive a reminder.

Topics covered:

- What is the credit system?
- What credits do you need to graduate high school?
- What happens if you fail grade 9 courses?
- Which courses are taught at different levels?
- How do the "special programs" work (Integrated French, O2, etc)
- How do you fill out the form to select courses?
- Time to answer individual, specific questions

Parents and students who will be registering for **Grade 11 and Grade 12** may contact individual teachers for recommendations on which courses their son or daughter should take. Appointments can be arranged with the school counsellor to discuss specific situations.

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Credit Requirements for N.S. Graduation Diploma And Courses Offered at BRCS

- 18/21 credits minimum
- 13 mandatory credits, 5 electives
- minimum of 5 grade 12 credits
- maximum of 7 grade 10 credits

Requirement	BRCS Courses that Meet Requirement		
3 English	English 10	English 11 English Communications 11	(Adv) English 12 English Communications 12
3 Math	Math Essentials 10 Math at Work 10 Math 10 (2 cred)	Math Essentials 11 Math at Work 11 Math 11 Pre-Calculus 11	Math Essentials 12 Math at Work 12 Math 12 Pre-Calculus 12 Calculus 12
2 Science	Science 10 @	(Adv) Biology 11 @ (Adv) Chem 11 @ Physics 11 @ Oceans 11 Human Biology 11 Agriculture 11	Biology 12 @ Chemistry 12 @ Physics 12 @ Geology 12
2 Math, Science, or Technology	See Math 10 See Science 10 Const Tech 10 Skills Trades 10	Production 11 Commun Tech 11 EPT 11	Production 12 Commun Tech 12 Multimedia 12 Film 12
1 Fine Arts	Instr Music 10 Music 10 Art 10	Instr Music 11 (Adv) Art 11 Dance 11 Drama 11	Instr Music 12 (Adv) Art 12
1 Canadian Studies	His Can 11*	Can His 11 ACS 11 Mi'kmaw 11	
1 Global Studies			(Adv) Global History 12 Global Geography 12 Global Politics 12 His Planetaire 12*
1 Physical Education ***	PE 10	(PE 11) Dance 11 PAL 11 *	(PE 12)
Electives (note: any of the above courses can also be used as electives)	French 10 Int French 10* Ancient His 10 Career Dev 10 Commun Learn 10 Food Tech/Food Prep 10	Accounting 11 French 11 Int French 11* Co-op 11 Career Dev 11 Workplace 11 Tourism 11 Child Studies 11	French 12 Integrated French 12* Sociology 12 Psychology 12 Law 12 Co-op 12 Entrepreneurship 12 Arts Entrepreneur 12 Textiles 12
*mandatory for Integrated French students @ 2 sciences are required, one science must be selected from these courses			

BRCS Course Registration

Registering/Changing/Dropping Courses

Course pre-registration is through the guidance office and approval given by signature of parent/guardian.

Course transfers are permitted at the beginning of each semester for 10 school days. For year-long courses, which are only offered every other day, 20 school days are permitted to make the change. To request a course change, students are to complete a form from the school counsellor, which must be signed by a parent/guardian.

Dropping a course, without picking up another course, is permitted for 10 days if the student has received approval for a study period. After that time the course stays on the student's permanent record as a withdrawn/failed course, as per Board policy.

It is the student's responsibility to keep track of his/her credits and to arrange meetings with the school counsellor to discuss academic planning.

Course Loads

- Grade 10 students must take a full load of 8 courses.
- Grade 11 students must take a full load of 8 courses.
- Grade 12 students must be taking at least 7 courses. In order to have a free/study period, the student must complete an application form, and receive approval from the principal

Course Selection

Grade 10 students must register for 8 courses, including

1. English 10
 2. A grade 10 Mathematics course
 3. Science 10
 4. Physical Education 10
 5. At least one Fine Arts
 6. Recommend at least one course at the grade 11 level
 7. Two electives (one of which may be a math credit – see math course descriptions)
- ** Integrated French students must take # 1-5 plus INT FRE 10, HIS CAN 11, and 1 elective.

Grade 11 students must register for 8 courses, including:

1. English 11 or ENG/COM 11
 2. A grade 11 Mathematics course
 3. At least one Science: BIO 11, OCE 11, CHE 11, or PHY 11, or others as available
 4. At least one Canadian Studies course: ACS 11, CanHis 11, Mi'kmaw 11
 5. At least 4 Electives
- ** Integrated French students must take # 1-3 plus INT FRE 11, PAL 11, and at least 2 electives.

Grade 12 students must register for 8 courses. If they receive approval for a free/study period, they may drop one course.

1. AdvEng 12, English 12 or ENG/COM 12
 2. At least one Global Studies
 3. At least 6 Electives.
- ** Integrated French students must take #1 and 2 plus INT FRE 12, HIS PLA 12, and at least 5 electives.

Semestered / Unsemestered Courses

Typically, two of the 8 course blocks are **unsemestered**, running all year, 5 periods/cycle. The remaining 6 blocks are **semestered**, running for half the year (Sep-Jan or Feb-Jun), 10 periods/cycle. Material in semestered courses is covered quickly and students are responsible for keeping up, getting help, good attendance and meeting deadlines.

Credit Types

A credit is awarded after successfully completing a course that would require a minimum of 110 hours of scheduled time. Each high school course is coded by the Department of Education based upon the category of the course and its level of difficulty. The credit types are as follows:

Graduation = for students who wish to earn a graduation diploma with the plan to directly enter the work force; acceptable for some community college programs. Examples: English Communications 11/12, Math Essentials 10/11/12, Math at Work 10/11/12

Open = Although none of these courses is designed to meet the specific entrance requirements of any post-secondary institution, but individual courses may be accepted by some institutions. Courses of this nature are also very useful in providing a balanced and well-rounded education for all students. Examples: Canadian Families 12, Physical Education 10/11, Production Technology 12.

Academic = for students expecting to enter university in non-science programs or specialized community college and skilled trades programs (Note: some courses that the Department of Education designates as Academic, are not recognized as Academic by universities). Examples: English 10/11/12, Mathematics 10/11/12, Visual Arts 10/11/12

Advanced = for students who have demonstrated an exceptional degree of academic ability or achievement; required for some programs at the university level AND for many specialized, technical college programs. Examples: Adv English 11/12, Pre-Calculus 11/12, Adv Visual Arts 11/12

Advanced Placement = virtual on-line courses, where students connect with a teacher at Horton High School. Courses are equivalent to first-year university. Examples: Advanced Placement English Literature and Composition 12, Advanced Placement Calculus 12

If students are unsure of their plans for after high school graduation, it is important that they keep as many options open as possible, while working at a level that is appropriate to their skills and abilities. To avoid being disappointed, check the requirements for any programs you might be considering.

Choosing Courses

Students should read the course descriptions, think about their own academic strengths/interests, and consider their preferred career/post-secondary training paths. It is not wise to select a course only because friends are taking it and it is also unwise to not select a course only to avoid or obtain a certain teacher.

It is wise to plan ahead for all of your high school years. However, plans beyond the next year cannot be firm. In particular, there is no guarantee as to which courses BRCS will offer from year to year, and which courses will be grouped in the same time slot. You may also find you do not like certain courses, or your career plans change, or your marks are not high enough.

Requirements for Post-Secondary Education

Post-secondary institutions include: universities, private colleges, technical schools, and community colleges. Post-secondary institutions vary considerably in the courses they require and students need

to ensure they have the credits needed to meet admission requirements. These are easily accessed through the institutions' web sites and calendars or through Student Services. **The ultimate responsibility for course selection rests with students and parents/guardians** Grade Nine is not too soon to be exploring future options.

University: Acceptance into a university program usually requires an average of 65 – 70% or greater in five (5) grade 12 Academic or Advanced courses. English Communications 12 does not meet admission requirements for university. Academic Math 12 is not a requirement for all university programs, only those that require ongoing mathematical studies. Courses coded as “open” may or may not be accepted by universities for admittance purposes. Other courses such as Co-op courses, Health and Human Services or Medical Technology may not be accepted as university admissions courses. It is important to check admissions requirements

Community College: The majority of community colleges accept all credit types (Academic, Advanced, Graduation and Open) but many require specific, academic credits for particular programs. Most programs at Community College require a “High School Graduation Diploma” which means any credit type is acceptable as long as the student has completed high school.

Atlantic Canadian Universities and Colleges: This is a list of many, but not all, public Atlantic Canadian colleges and universities and a link to their admission requirements.

Acadia University: <http://admissions.acadiau.ca/>

Cape Breton University: <http://www.cbu.ca/come-to-cbu/admissions/admission-requirements/>

Dalhousie University: http://www.dal.ca/admissions/undergraduate/direct_from_highschool.html

Holland College: <http://www.hollandcollege.com/admissions/> Memorial University:

<http://www.mun.ca/undergrad/admissions/index.php>

Mount Allison University: <https://www.mta.ca/requirements/>

Mount St. Vincent University:

<http://www.msvu.ca/en/home/beamountstudent/HighSchoolStudents/canadianhsadmissionsreq/default.aspx>

Nova Scotia Community College: http://www.nsc.ca/learning_programs/programs/default.aspx

St. Mary's University: <http://www.smu.ca/future-students/cs-admission-requirements.html>

St. Francis Xavier University: <http://www.stfx.ca/apply/requirements>

St. Thomas University: <http://w3.stu.ca/stu/futurestudents/requirements/canadian/>

University of Kings College: <http://www.ukings.ca/admission-requirements>

University of New Brunswick: <http://www.unb.ca/admissions/requirements/index.html>

University of Prince Edward Island: <http://www.upei.ca/programsandcourses/undergraduate-admissions/arts-business-science>

Université Sainte-Anne: <https://www.usaintanne.ca/admission>

Education Planning Chart

Career Goal: _____

Educational Program After Completion of High School : _____

Entry Requirements: _____

1. Select the courses you would like to take for the next year, keeping in mind:

**Graduation requirements based on the year you plan to graduate Courses available
Course requirements for education and career goals Recommended Prerequisite courses**

2. Write in courses that you are certain about, followed by the more tentative choices. Place a question mark (?) beside the least certain choices.

Grade 10 Credits Achieved/Planned	Grade 11 Credits Achieved/Planned	Grade 12 Credits Achieved/Planned
1.	1.	1.
2.	2.	2.
3.	3.	3.
4.	4.	4.
5.	5.	5.
6.	6.	6.
7.	7.	7.
8.	8.	8.
Total Credits	Total Credits	Total Credits
Other Possible Courses	Other Possible Courses	Other Possible Courses
1.	1.	1.
2.	2.	2.
Questions I would like answered/Additional information I would like to have:		

BRCS Credit Check

Student Name: _____

	Grade 10	Grade 11	Grade 12
3 <input type="checkbox"/>	English English 10 <input type="checkbox"/>	English 11 <input type="checkbox"/> English Communications 11 <input type="checkbox"/> Advanced English 11 <input type="checkbox"/>	English 12 <input type="checkbox"/> Eng Communications 12 <input type="checkbox"/> Advanced English 12 <input type="checkbox"/>
	Math (3) Math 10 (1 of 2 credits) <input type="checkbox"/> Math Essentials 10 <input type="checkbox"/> Math at Work 10 <input type="checkbox"/>	Math 11 <input type="checkbox"/> Math Essentials 11 <input type="checkbox"/> Math at Work 11 <input type="checkbox"/> Pre-Calculus 11 <input type="checkbox"/>	Math 12 <input type="checkbox"/> Math Essentials 12 <input type="checkbox"/> Math at Work 12 <input type="checkbox"/> Pre-Calculus 12 <input type="checkbox"/> Calculus 12 <input type="checkbox"/>
	Additional Math		

6 <input type="checkbox"/>		Math 10 (2 of 2 credits) <input type="checkbox"/>		
	Science (2) <i>One must be either Science 10, Biology, Chemistry, or Physics</i>	Science 10 <input type="checkbox"/>	Biology 11 <input type="checkbox"/> Advanced Biology 11 <input type="checkbox"/> Chemistry 11 <input type="checkbox"/> Advanced Chemistry 11 <input type="checkbox"/> Physics 11 <input type="checkbox"/> Oceans 11 <input type="checkbox"/> Human Biology 11 <input type="checkbox"/> Agriculture 11 <input type="checkbox"/>	Biology 12 <input type="checkbox"/> Chemistry 12 <input type="checkbox"/> Physics 12 <input type="checkbox"/> Geology 12 <input type="checkbox"/>
	Technology	Construction Tech 10 <input type="checkbox"/> Skilled Trades 10 <input type="checkbox"/> Exploring Tech 10 <input type="checkbox"/>	Production Tech 11 <input type="checkbox"/> Communication Tech 11 <input type="checkbox"/> Energy,Power,Transport11 <input type="checkbox"/> Manufacturing Trades 11	Production Tech 12 <input type="checkbox"/> Communication Tech 12 <input type="checkbox"/> Multimedia Tech 12 <input type="checkbox"/> Film & Video 12 <input type="checkbox"/>
1 <input type="checkbox"/>	Fine Arts	Music 10 <input type="checkbox"/> Art 10 <input type="checkbox"/>	Music 11 <input type="checkbox"/> Art 11 <input type="checkbox"/> / Adv Art 11 <input type="checkbox"/> Dance 11 <input type="checkbox"/> (<i>Fine Art or PE</i>) Drama 11 <input type="checkbox"/>	Music 12 <input type="checkbox"/> Art 12 <input type="checkbox"/> / Adv Art 12 <input type="checkbox"/>
1 <input type="checkbox"/>	Physical Education	Physical Education 10 <input type="checkbox"/>	Physical Education 11 <input type="checkbox"/> Dance 11 <input type="checkbox"/> (<i>Fine Art or PE</i>) PAL 11 <input type="checkbox"/>	Physical Education 12 <input type="checkbox"/>
1 <input type="checkbox"/>	Canadian Studies		Canadian History 11 <input type="checkbox"/> Histoire Canadienne 11 <input type="checkbox"/> African Canadian Studies 11 <input type="checkbox"/> Mi'kmaq Studies 11 <input type="checkbox"/>	
1 <input type="checkbox"/>	Global Studies			(Adv) Global History 12 <input type="checkbox"/> Histoire Planetaire 12 <input type="checkbox"/> Global Geography 12 <input type="checkbox"/> Global Politics 12 <input type="checkbox"/>
—	Electives <i>any of the above courses can also be used as electives</i>	Core French 10 <input type="checkbox"/> Integrated French 10 <input type="checkbox"/> History 10 <input type="checkbox"/> Food Tech/Food Prep Services 10 <input type="checkbox"/>	Accounting 11 <input type="checkbox"/> Core French 11 <input type="checkbox"/> Integrated French 11 <input type="checkbox"/> Tourism 11 <input type="checkbox"/> Child Studies 11 <input type="checkbox"/>	Core French 12 <input type="checkbox"/> Integrated French 12 <input type="checkbox"/> Sociology 12 <input type="checkbox"/> Psychology 12 <input type="checkbox"/> Law 12 <input type="checkbox"/> Entrepreneurship 12 <input type="checkbox"/> Arts Entrepreneurial 12 <input type="checkbox"/> Textiles 12 <input type="checkbox"/> Learning Strategies 12 <input type="checkbox"/> Canadian Families 12
Total Credits: _____ *Minimum of 18 credits required to graduate *				

O2 Requirements				
6 <input type="checkbox"/>	Career Development 10 <input type="checkbox"/> Community Based Learning 10 <input type="checkbox"/>	Career Development 11 and Workplace Safety 11 <input type="checkbox"/> Co-op 11 <input type="checkbox"/> 100 hours _____	Co-op 12 (1) <input type="checkbox"/> 100 hours _____ Co-op 12 (2) <input type="checkbox"/> 100 hours _____	
Minimum of 24 credits required to graduate with O2 certificate				

Total Credits Completed:	Date:
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Grade 10 Credits Max: 7	Grade 12 Credits Min: 5	Total credits to date: Credits still needed:

Course Descriptions

English

Students are required to choose one English credit at each grade level.

ENG 10: English 10 (Academic) Prereq: ENG 9

Students will read critically from a wide range of literary and media texts and demonstrate their understanding at levels of comprehension, analysis, interpretation and evaluation, write with increasing proficiency for a range of purposes and using a variety of styles and techniques, and speak effectively to engage, persuade and inform in different formats.

ECM 11: English Communications 11 (Graduation) Prereq: ENG 10

This course is designed for students who plan on directly entering the workforce. It is suitable for admissions to SOME college programs. Units of study include: Novel, Anthology work, Short story, Ethics, Current Events, and Advertising and media.

ENG 11: English 11 (Academic) Prereq: ENG 10

Students are expected to meet learning outcomes in the following categories: speaking and listening; responding to various texts; writing for specific purposes; and reading for understanding. This course is designed to be university prep. Students will write a mandatory exam. Units of study include: Writing Portfolio (essay development), Spoken Word Poetry (writing workshop and Soapbox, and Literature studies: Shakespeare, Novel study, Short Story, and Book Talk (independent reading)).

ENG11ADV Advanced English 11 (Advanced) Prereq: ENG 10

Advanced English 11 is a yearlong course intended for students who have demonstrated an exceptional degree of academic ability and achievement, with a minimum mark of 85% in grade 11. Students must be recommended by a previous English teacher, and be interviewed.

Advanced English students will be part of a regular English class, but will be expected to complete extension activities for all units of English 11, as well as 2 independent units of study. Students will be expected to set goals, demonstrate time management, and meet regularly with the teacher/mentor. Students will deal with sophisticated texts that challenge their understanding and assumptions regarding important societal issues, and engage in philosophical and critical analysis of such texts, including both contemporary and non-contemporary literature. Students will be expected to read independently for pleasure in addition to academic work.

ECM 12: English Communications 12 (Graduation) Prereq: ENG 11 or ENG COM 11

This course is designed for students who plan on directly entering the workforce. It is also suitable for admissions to many NSCC programs. Units of study include: Short story, Novel, Advertising and media, Ethics, Anthology work, MacLean's magazine program, and Current Events.

ENG 12: English 12 (Academic) Prereq: ENG 11

ENG 12 is intended for students planning to attend college or university. The emphasis of the course is on reading a variety of literary texts from diverse cultural and socio-economic backgrounds, and on writing for diverse purposes and audiences, and speaking and listening effectively with an attitude of respectful critical analysis. Units of study include: Essay, Writing workshop, Drama (Hamlet), Novel, and Poetry.

ENG12ADV: Advanced English 12 (Advanced) Prereq: ENG 11

Advanced English 12 is a yearlong course intended for students who have demonstrated an exceptional degree of academic ability and achievement, with a minimum mark of 85% in grade 11. Students must be recommended by a previous English teacher, and be interviewed.

Advanced English students will be part of a regular English class, but will be expected to complete extension activities for all units of English 12, as well as 2 independent units of study. Students will be expected to set goals, demonstrate time management, and meet regularly with the teacher/mentor. Students will deal with sophisticated texts that challenge their understanding and assumptions regarding important societal issues, and engage in philosophical and critical analysis of such texts, including both contemporary and non-contemporary literature. Students will be expected to read independently for pleasure in addition to academic work.

Advanced Placement English Literature and Composition 12 (ENG LIT AP 12)**Advanced, 1 credit**

This AP English Literature and Composition 12 course provides students with an enriched program of study on literature and writing, using a variety of texts as the means to achieving this goal. The course explores literary elements such as a work's structure, style and themes, as well as the use of figurative language,

imagery, symbolism and tone. It seeks to develop your writing skills as you express your ideas and analysis in expository, analytical, and argumentative essays. Course work is accelerated. Students meet virtually with the AP English teacher twice per week beginning in September, ending upon completion of the AP English exam in May. The AP English credit does satisfy the requirements as a third NS English credit. The AP English course is designed to have a pre-requisite of Advanced English 11 or English 11.

Mathematics

Students will generally follow one of four paths. Students should consult with their teacher and school counsellor for recommendations as to which courses will best suit their interests, ability and future plans. Students require two math credits.

The Math Essentials pathway is designed to provide students with the development of the skills and understandings required in the workplace, as well as those required for everyday life at home and in the community. Students will become better equipped to deal with mathematics in their everyday life and will become more confident in their mathematical abilities. These courses are designed for students who do not intend to pursue post-secondary study or who plan to enter programs that do not have any mathematics prerequisites.

The Mathematics at Work pathway is designed to provide students with the mathematical understandings and critical-thinking skills identified for direct entry into the work force or for entry into programs of study that do not require *academic* mathematics.

The Academic Mathematics pathway is designed to provide students with the mathematical understandings and critical-thinking skills identified for post-secondary studies in programs that require an academic or Pre-calculus mathematics credit.

The Advanced Mathematics pathway is designed to provide students with the understanding and critical-thinking skills identified for post-secondary studies in programs that require a Pre-calculus mathematics credit.

MTHE 10: Math Essentials 10 (Graduation) Prereq: MAT 9 or recommendation of grade 9 math teacher

Students in Math Essentials 10 will become better equipped to deal with mathematics in the real world and will become more confident in their mathematical abilities. The MAT ESS 10 credit is intended for approximately 10% of grade 10 students – those who have experienced considerable difficulty in mathematics throughout their schooling and who may lack confidence in their ability to learn or have low self-esteem regarding math. MTHE is accepted for most non-technical community college programs.

Topics include: mental math, working and earning, deductions and expenses, paying taxes, making purchases, buying decisions, probability, measuring and estimating, transformation and design, and buying a car

MTW 10: Math at Work 10 (Graduation) Prereq: MAT 9

MTW 10 is designed for students who are **not** planning on applying to university or college technical programs. It is, however, accepted for most community college programs. The MTW credit is intended for approximately 30% of grade 10 students – those who have experienced some difficulty in mathematics throughout their schooling.

Note: while this course cannot be counted toward the required number of academic credits required for university admission, students may still take this course to improve their mathematical skills, if they are applying to a university program that does have a mathematics prerequisite.

Topics include: measurement, area, Pythagorean theorem, trigonometry, geometry, unit pricing and currency exchange, income, and basic algebra.

MT 10: Mathematics 10 (Academic) Prereq: MAT 9. This is a 2-credit course.

MT10 is designed for students planning on attending university and some college or skilled trades programs.

MT10 involves greater attention to abstraction and more sophisticated generalizations than other grade 10 math courses. Students who select Math 10 should have a solid understanding of math from their middle-level/junior-high years. Students will take this course every day for the full year.

Topics include: measurement systems, surface area and volume, right triangle trigonometry, exponents and radicals, polynomials, linear relations and functions, linear equations and graphs, solving systems of equations, and financial mathematics

MTHE 11: Math Essentials 11 (Graduation) Prereq: MTHE 10 or MTW 10

MTHE11 is a continuation of the program started in MTHE 10. Students will continue to work with everyday math skills.

Topics include: mental mathematics; collecting, organizing, and graphing data; borrowing money; renting or buying; household budgets; investing money; measuring; 2-D and 3-D design; math in content areas such as science and social studies.

MTW 11: Mathematics at Work 11 (Graduation) Prereq: MTW 10 or MT 10

MTW 11 demonstrates the application and importance of key mathematical skills.

Topics include: measurement systems, volume, 2-D and 3-D geometry, scale, exploded diagrams, numerical reasoning, personal budgets, compound interest, financial institution services, and formula manipulation for various contexts.

MT 11: Mathematics 11 (Academic) Prereq: MAT 10.

MT 11 is an academic high school mathematics course. Students who select MT 11 should have a solid understanding of the MT 10 curriculum. For those students intending to follow the academic pathway, MT 11 will be followed by MT 12. For those students intending to follow the advanced pathway, MT 11 will be followed by Pre-calculus 11 and Pre-calculus 12.

Topics include: applications of rates, scale diagrams and factors, inductive and deductive reasoning, an introduction to proof, cosine law, sine law, spatial reasoning, statistics, systems of linear inequalities, and quadratic functions.

Extended Mathematics 11 (Academic) Prereq: MAT 10 Note: This is a 2-credit course offered year-round.

Extended Mathematics 11 is an academic high school mathematics course. Students who select Extended Mathematics 11 will complete the curriculum outcomes for the semestered Mathematics 11 course and

additional concepts in Statistics and Data Analytics. They will have extra time to explore concepts using a variety of learning experiences and use technology to enhance their learning. The typical pathway for students who successfully complete Extended Mathematics 11 will be to take Mathematics 12. Alternatively, students who successfully complete Extended Mathematics 11 may choose to select either Mathematics at Work 12 or Mathematics Essentials 12. *While not the typical pathway, Extended Mathematics 11 can also be used as a pre-requisite for Pre-calculus 11. These courses are to be taken consecutively, not concurrently.**

Topics include: linear programming, applications of rates, scale diagrams and factors, inductive and deductive reasoning, an introduction to proof, cosine law, sine law, spatial reasoning, statistics, systems of linear inequalities, and quadratic functions, inference making from statistical summaries, analyzing and presenting data and how to extract meaning from data.

Students who complete this course will receive one Grade 11 academic mathematics credit and one Grade 11 technology credit.

PreCal 11: Pre-calculus 11 (Advanced) Prereq: MT 11.

PreCal 11 is an advanced high school mathematics course. Students who select PreCal 11 should have a solid understanding of the MT 11 curriculum.

Topics include: absolute value, radical expressions and equations, rational expressions and equations, angles in standard position, analyze and solve quadratic equations, linear and quadratic equations and inequalities in two variables, arithmetic and geometric sequences, and reciprocals of linear and quadratic functions.

MTHE 12: Math Essentials 12 (Graduation) Prereq: MAT ESS 11 or MTW 11

This course teaches skills that directly relate to math that is used in a workplace setting. The math is practical and “hands on”. This course will help students to understand the relationships between their high school studies and a range of post-secondary destinations. This course will be modular based and project oriented.

Units of study include: measurement; mathematics and career exploration; ratio, rate and proportion; and math preparation for the workplace.

MTW 12: Mathematics at Work 12 (Graduation) Prereq: MTW 11

MTW 12 is designed to provide students with the mathematical understandings and critical-thinking skills identified for direct entry into the work force or for entry into programs of study that do not require academic mathematics.

Topics include: measurement and probability; measures of central tendency; scatterplots; linear relationships; owning and operating a vehicle; properties of polygons; transformations; and trigonometry

MT 12: Mathematics 12 (Academic) Prereq: MT 11 or PreCal 11.

Math 12 is designed for students entering college or university programs that are not scientific or technical. This mathematics pathway is designed to provide students with the mathematical understandings and critical-thinking skills identified for post-secondary programs that do not require the study of theoretical calculus. Students should have a solid understanding of the MT 11 curriculum

Topics include: borrowing money, investing money, set theory, logical reasoning, counting methods, probability, polynomial functions, exponential and logarithmic functions, and sinusoidal functions.

PCAL 12: Pre-Calculus 12 (Advanced) Prereq: PreCal 11.

This course is intended for students entering university programs that require higher-level mathematics and/or calculus (science, engineering, technology, etc). Students should have a solid understanding of Pre-calculus 11 curriculum.

Topics include: transformations, radical functions, polynomial functions, trigonometry, exponential and logarithmic functions, rational functions, function operations, permutations, combinations, and the binomial theorem

CAL 12: Calculus 12 (Advanced) Prereq: PreCal 12.

This course is intended for students who will study theoretical calculus at university. Students should have a solid understanding of the PCAL 12 curriculum.

Topics include: the concept of a limit; simple derivatives; properties of derivatives; derivatives of trigonometric, exponential and logarithmic functions; applications of derivatives, tangents, rates of change, motion, curve sketching, anti-derivatives, differential equations, and applications of anti-derivatives.

Advanced Placement Calculus 12 (AP CAL 12)

Advanced, 1 credit

AP Calculus 12 (Calculus AB) presents the rigor and depth comparative to introductory university calculus. The focus of this course includes both a study of differential calculus and integral calculus. As well, the AP Calculus course contains topics to develop rich problem-solving skills. Students meet virtually with their teacher twice per week beginning in September, ending upon completion of the AP Calculus exam in May. AP Calculus is designed to have a prerequisite of Math 11 and Pre-Calculus 11 and a co-requisite of Pre-Calculus 12.

Math requirements for different career pathways

<p>Use this table to help in your decisions.</p> <p>If you are ...</p>	<p>Grade 10</p>	<p>Grade 11</p>	<p>Grade 12</p>
<p>A student intending further study in science, math, engineering, computer programming or many medical fields that involve an intensive level of mathematics, take ...</p>	<p>Mathematics 10 (Academic level)</p>	<p>Mathematics 11 (Academic) Pre-Calculus 11 (Academic)</p>	<p>Pre-Calculus Mathematics 12 and Calculus 12</p>
<p>A student intending further study in areas that require a math base such as many business programs, kinesiology, many health fields (as required by many programs at universities and community colleges),take ...</p>	<p>Mathematics 10 (Academic level)</p>	<p>Mathematics 11 (Academic level) Extended Math 11 (Academic level)</p>	<p>Mathematics 12 (Academic level)</p>
<p>A student intending further study not requiring Math preparatory courses or entering the job market, AND who has struggled with Math take</p> <p>*Note: This Math meets admission requirements for most colleges unless a Math is required. This Math will not prevent students going into many university programs unless a specific Math is required.</p> <p>Please check with institutions.</p>	<p>Mathematics at Work 10 (Graduation Level)</p>	<p>Mathematics at Work 11 (Graduation Level)</p>	<p>Mathematics at Work 12 (Graduation Level)</p>
<p>A student intending to enter the job market, or further study not requiring the Math preparatory courses, AND who has had difficulty successfully completing Math courses in the past, take ...</p> <p>*Note: This Math meets admission requirements for most colleges unless a Math is required.</p>	<p>Mathematics Essentials 10 (Graduation Level)</p>	<p>Mathematics Essentials 11 (Graduation Level)</p>	<p>Mathematics Essentials 12 (Graduation Level)</p>

Science

All science courses can be used to meet the Science requirements. However, one of the two required sciences must be SCI 10, Biology, Chemistry or Physics.

SCI 10: Science 10 (Academic) Prereq: SCI 9

SCI10 is the foundational course for more specialized study in science in grades 11 and 12. The four units of study provide an introduction to the grade 11 sciences.

Units of study include: Sustainability of ecosystems, Motion, Weather dynamics, and Chemical reactions.

BIOL 11: Biology 11 (Academic)

BIO 11 is the study of living things and will explore themes such as change, diversity, energy, equilibrium, matter, and systems. Students will investigate the relationships between science, technology, environment, and society.

Units of study include: Matter and energy, Maintaining dynamic equilibrium I (human systems), Biodiversity, and Interactions among living things (ecosystems).

BIOL 12: Biology 12 (Academic)

BIO 12 builds on concepts and principles learned in BIO 11.

Units of study include: Genetic continuity, Nervous and endocrine system, Reproduction and development and Evolution, change, and diversity.

Advanced Placement Biology 12 (BIO AP 12)

Advanced, 1 credit

AP Biology is designed to offer students a solid foundation in introductory-level biology. In this course, you will be held to high expectations and mature responsibilities just like a university freshman taking Intro Biology. What we know today about biology is a result of inquiry. Science is a way of knowing. Therefore, the process of inquiry in science and developing critical thinking skills is the most important part of this course. This course will emphasize how scientists use their observations and readings to ask questions that can lead to new experiments. These experiments build on the work of others and eventually lead to additional evidence on different topics. This investigative process will be used throughout this AP Biology course. It is important for students to become excited with discovery as they ask and answer their own questions about natural/biological phenomena that they see, read about, or experience in the laboratory and field. Students meet virtually with the instructor twice per week beginning in September, ending upon completion of the AP Biology exam in May. Also, students will be required to travel to the lab site for two full day labs along with four-five after-school (2:00-5:00) labs.

BIOHUM 11: Human Biology 11 (Graduation)

Human Biology 11 may be offered in alternating years as staffing and scheduling permit

This course is designed for students who are interested in biology, but do not wish to pursue an academic course. The emphasis in this course is on the human body and its interaction with its environment.

CHE 11: Chemistry 11 (Academic)

This course builds on fundamentals introduced in SCI 10. Students will study composition, properties, and interactions of matter and investigate the relationships between science, technology, environment, and society.

Units of study include: Structures and properties (periodic table; formulas; chemical equations), Stoichiometry (mole mass problems; mathematical problem solving), and Organic chemistry.

CHE 12: Chemistry 12 (Academic)

CHE 12 uses skills, concepts, and principles learned in CHE 11 and is designed for students who plan to continue the study of chemistry in university or college programs. Students should have strong math skills.

Units of study include: Thermochemical changes, Acids and bases, Electrochemical changes, and Equilibrium.

Advanced Placement Chemistry 12 (CHEM AP 12)

Advanced, 1 credit

The AP Chemistry course is designed to be the equivalent of the general chemistry course usually taken during the first university year. For some students, AP Chemistry enables them to undertake, in their first year, second-year work in the chemistry sequence at their institution or to register in courses in other fields where general chemistry is a prerequisite. For other students, the AP Chemistry course fulfills the laboratory science requirement and frees time for other courses. Students who take AP Chemistry will develop advanced inquiry and reasoning skills, such as designing a plan for collecting data, analyzing data, applying mathematical routines, and connecting concepts in and across domains. The result will be readiness for the study of advanced topics in subsequent university courses. Students meet with their instructor twice a week from the beginning of September to May in a synchronous online environment to examine the main concepts from each unit of study. Many resources (notes, videos, worksheet answer keys, etc.) are provided weekly to help students be successful! The AP Chemistry course requires the completion of laboratories. Students will travel to the lab site for two full day and three half-day laboratory sessions that will include engagement in a variety of hands-on inquiry-based experiments and chemistry demonstrations.

GEOL 12: Geology 12 (Academic)

GEOL 12 satisfies NS graduation requirements for science. Students entering post-secondary science or technical programs should also take a combination of BIO, CHE, and/or PHY.

Units of study include: The nature of geology, Surface processes, Earth materials, Historical geology, Internal processes, and Environmental geology.

AGRIC 11: Agriculture / Agrifoods 11 (Academic)

This course will give students an introduction to the agriculture and agrifood industry. Students will gain an understanding of the role of technology, science and government in the production of primary agricultural products, of the role of systems which support production, and of agriculture and agrifood-related activity beyond the farm gate.

OCN11Y11: Oceans 11 (Academic)

OCE11 is designed to meet graduation science requirements. If students are entering university science programs they should also take BIO, CHE and/or PHY.

Units of study include: Basic oceanography, Aquaculture, the fishing industry, and the shore line.

PHY 11: Physics 11 (Academic)

PHY 11 requires competence in math and it is recommended that students in PHY 11 also enrol in ADV MAT 11. Students will need a calculator with trig and Exp or EE exponential functions.

Units of study include: Kinematics (the study of motion), Momentum and energy, Dynamics (changes in velocity and acceleration), and Waves (electro-magnetics).

PHY 12 : Physics 12 (Academic) Prereq: PHY 11

Students must have strong math skills to successfully complete PHY 12.

Units of study include: Force, motion, work, and energy, Radioactivity, Fields, and Waves and modern physics.

Technology

In addition to two credits in math, and two credits in science, students are required to select two additional credits from math, science or technology. The following courses all belong to the technology category.

STR 10: Skilled Trades 10 () *****

Skilled Trades 10 will engage students in an investigation into the skilled trades, the impact that they have on society, and the opportunities that exist for those who pursue a livelihood by working as skilled tradesperson. Students will have multiple opportunities to experience the rewards that come from “hands on, minds on” learning. Students will become familiar with, and be able to competently use, a range of tools. The skills include the selection of appropriate tools, manual dexterity, well-developed hand-eye coordination and balance. Students will also work on safety, measurement, blueprint reading, materials, document use, and materials handling.

ENERGY 11: Energy, Power and Transportation 11 (Open)

This course examines the various sources of energy in the world and how to convert and control these resources to meet human needs. EPT 11 students will be required to demonstrate an understanding of how energy was used historically, how it is used presently, and how it may be used in the future.

Units of study include: Nature and Sources of Energy, Power generation, transfer control and conservation, and Environmental impact of energy, power and transportation.

PDT 12: Production 12 (Open)

By the end of the production technology course, students are able to demonstrate the process required to create a product using a variety of materials and methods. The emphasis of this course is mass production.

FVP 12: Film and Video Production 12 (Academic)

FLM 12 focuses on production elements of film so that students will be able to produce their own videos by the end of the course.

Units of study include: History of the film industry, Technical aspects of film production, Screenwriting, Careers in the film industry, and Camera use.

F/V 12: Film and Video Production 12 – French (Academic)

F/V 12 is the French version of FLM 12, intended for grade 11 Integrated French students.

MM 12: Multimedia 12 (Academic)

MLT 12 is designed to help students become skilled, critical users of information and communication technology. Students will study aesthetic/artistic implications of multimedia products; ethical, social and legal implications; and principles of art and design. This course will challenge students to work independently.

Units of study include: Creating and manipulating images, Sequenced images, Collaborative project and personal portfolio, and Sound.

TEX TEC 12: Textile Technology 12 (Open)

Textile Technology 12 combines theory with a hands-on approach to fashion and fibre arts. It is an exciting course for those interested in fashion, craft and art, as well as technology and materials science. The curriculum is designed to encourage students to develop advanced skill sets related to textile arts and technologies. Textile Technology 12 can be used as one of the five credits needed to earn the AVRSB Fine Arts Certificate. Students will develop a portfolio of work and a final textile project to demonstrate their learning.

Units of study include: Creating fabrics, Textile production, Elements and principles of textile design, Textile construction tools, Aesthetic and cultural appreciation, Life-work skills, and Independent study.

Manufacturing Trades 11 (Academic)

The aim of Manufacturing Trades 11 is for students to investigate careers available in the manufacturing trades while working with the tools and processes of the manufacturing trades to learn skills required to work in the manufacturing industry. Following the apprenticeship model, students in Manufacturing Trades 11 will spend approximately 20% of their time learning the theoretical, regulatory, and conceptual aspects of the manufacturing trades. The remaining 80% of the course is specifically task-oriented work in the trades. Specifically, students complete manufacturing-related trades skill-building projects. Students will be expected to develop physical skills, manipulate tools, and interpret project drawings.

Fine Arts

Students are required to earn one fine arts credit. The following courses all meet the fine arts requirement. Students may also choose to earn a Fine Arts Certificate. The Fine Arts Certificate is awarded after completion of five fine arts courses, along with portfolio requirements. Interested students should see the art teacher or school counsellor for more information.

VISART 10: Visual Arts 10 (Academic)

This art course concentrates on developing basic art skills and an understanding of the core content of drawing, design, painting, printmaking, sculpture, art history, crafting and mixed media.

In addition to assignments and art projects completed in a variety of mediums, students will maintain an art journal and art portfolio which will showcase a variety of prescribed artworks.

VISART 11: Visual Arts 11 (Academic)

This art course focuses on drawing, design and art history, as well as developing skills and abilities in the areas of painting, printmaking and sculpture. This course requires a great deal of creativity, originality, diversity and critical thinking.

In addition to assignments and art projects completed in a variety of mediums, students will maintain an art journal and art portfolio which will showcase a variety of prescribed artworks.

VISART11 AD: Advanced Visual Arts 11 (Advanced)

This art course is for superior art students. Enrolment is restricted to a maximum of 3 or 4 students. Students will usually be in the classroom with another art class, and are expected to work independently for a great deal of the time. Student work will be displayed at an art show that they organize. PREREQ: a previous art credit with a mark in the 90% range.

VISART 12: Visual Arts 12 (Academic)

In Art 12 students will have the opportunity to do in-depth work in selected areas of drawing, design, painting, mixed media and art history. Students are expected to bring an understanding of the artistic process to this course to further enhance their learning experiences, as they will be engaging in a variety of complex, creative endeavours.

Students will be required to maintain a sketchbook and theme portfolio in addition to a variety of selected art projects.

VISART12 AD: Advanced Visual Arts 12 (Advanced)

See ADV ART 11.

DRA 11: Drama 11 (Academic)

This introductory course in drama focuses on the personal, intellectual, and social growth of the student through extensive work in many aspects of theatre including theatre history, improvisation, dramatic movement and mime, dramatization, and script development. Four main components of the course are foundation, movement, speech, and production.

INST MUS 10: Instrumental Music 10 (Academic) Prereq: MUS 9

Instrumental Music 10 focuses on taking students who have experience as musicians to the next level in their musicianship. This course requires some experience playing an instrument but performance on a band instrument is not required. Students will work in the areas of history, theory, and ear training to build their skills and creativity. Music 10 provides opportunity for students to set and meet individual and ensemble performance goals.

INST MUS 11: Instrumental Music 11 (Academic) Prereq: INST MUS 10

Instrumental Music 11 expands on the learning experiences of Instrumental Music 10. Students will work to develop independence in their musicianship and set goals for their own individual learning. Instrumental Music 11 is focused on studying the theory and history of many different musical styles with an understanding of how song writing works and has functioned as a reflection of society through the years. Students will work to complete a final song writing assignment including recording of an original composition.

INST MUS 12: Instrumental Music 12 (Academic) Prereq: INST MUS 11

Instrumental Music 12 provides opportunities to build on the concepts and techniques developed in Music 10 and 11. Students in Music 12 will take time to reflect upon their music making experiences throughout their schooling and what role music will play in their future. Students will explore careers in music and also music making opportunities for non-professional musicians in their community. Music 12 continues to focus on individual musicianship and song writing goals with student developed performances and projects.

MUSIC 10 - Introduction to Guitar

Have you always wanted to learn guitar? Here is your chance. No musical experience necessary, just a desire to learn guitar. In this course you will work in the areas of history, music theory, and ear training to help you feel confident playing guitar. This course will meet all the same outcomes of Instrumental Music 10 and would prepare you for Instrumental Music 11 if you chose to continue. Students are encouraged to use their own guitars in this course but some instruments will be provided for those who do not have their own. This course meets the requirements for a Fine Arts Credit.

Canadian Studies

Students are required to earn one Canadian studies credit. The following courses all meet this requirement.

ACS 11: African-Canadian Studies 11 (Academic)

ACS 11 aims to build an understanding of African culture and the African role in the development of Canada as a nation. ACS presents history from the beginnings of humanity, with a focus on Canadian history from an African Canadian perspective.

Units of study include: Racism and discrimination, African culture, Pre-colonial African kingdoms, Present day Africa, Slave Trade, and Civil Rights Movement.

CHS 11: Canadian History 11 (Academic)

The course introduces globalization events that have shaped Canada's growth, and also explores government, economic progression, justice issues and ongoing sovereignty struggles for various cultural groups. Independent project work (scrapbook, famous Canadians and an independent study) is a major course component.

Units of study include: First Nations & Peopling, Confederation, Geography and natural resources, Colonialism, Political system, Rebellions, Canada's role in the global village, and World Wars.

HC11INIM: Histoire Canadienne 11 (Academic; mandatory for Integrated French students)

This credit is the French equivalent of CAN HIS11 and covers the same curriculum. Students can not earn credit for both the English and French version of the course.

MKS 11: Mi'kmaw Studies 11 (Academic)

This course highlights the Mi'kmaw experiences, and shows how they are connected to the history and culture of the First Peoples of the Maritimes. The course examines broad concepts such as governance, culture, justice, spirituality, and education. Students will analyze historical and contemporary Mi'kmaw issues, which enables them to achieve a greater understanding of, and respect for, both Mi'kmaw society and Mi'kmaw contributions to Canadian society.

Global Studies

Students are required to earn one Global Studies credit. The following courses all meet this requirement.

HGS 12: Global History 12 (Academic)

This course focuses on how the world arrived at its current state from the end of World War II to the present time by examining political, economic, and social world events.

Units of study include: The role of superpowers after the war, The pursuit of justice, Origins and consequences of economic disparities, Global interdependence, and Social and technological changes.

HISPLA12IN: Histoire Planetaire 12 (Academic; mandatory for Integrated French students)

This course is the equivalent of HGS 12 and examines historic developments from a global perspective since World War II.

See HGS 12 for units of study

GGG 12: Global Geography 12 (Academic; satisfies Global Studies requirement)

This course explores major themes that lead to acquiring geographic knowledge and skills and planet management awareness.

Units of study include: Our fragile planet, Our planet at risk, Urbanization, The peopled planet, Global resources, Global factory, and The future planet.

GP: Global Politics 12 (Academic)

In this course, students will critically investigate contemporary global political issues; explore and engage in an issue relating to active citizenship; explore the electoral systems and processes for the Canadian federal, provincial, territorial, First Nations, and municipal governments; and examine the changing role of media technology on global politics.

Advanced Placement Human Geography (HUM GEO AP 12)

Advanced, 1 credit

The Human Geography course is designed to be the equivalent of an introductory human geography course usually taken by geography majors during their first year of university. This course is an in-depth, content-intensive study of geographic concepts/topics and models dealing with all aspects of human geography. Students meet virtually with the AP Human Geography teacher twice per week beginning in September, ending upon completion of the AP Human Geography exam in May. The AP Human Geography credit does satisfy the global studies requirements for Nova Scotia graduation. Having some Geography background will be an asset but not required. Having a strong academic background, being self-motivated, outgoing and comfortable with completing work independently are ingredients for successful learning in the course.

Physical Education

Students are required to earn one physical education credit.

PHE10: Physical Education 10 (Open)

This course will provide students with a variety of fitness and sport experiences to enhance their understanding of personal fitness and growth. Physical Education 10 includes some theory components, coupled with predominantly active experiences.

Students will have the opportunity to participate in a variety of indoor and outdoor fitness, sport, and recreational activities. The emphasis of this curriculum is to provide students with experiences that require them to reflect on their personal responsibility for active, healthy living now and throughout life.

Modules include:

- Outdoor Pursuits
- Exercise Science
- Personal Fitness
- Leadership

PHE12: Physical Education 12 (Open)

This physical education course concentrates on fitness opportunities, outdoor pursuits, individual and team games. Many opportunities will be offered to learn and practice leadership skills.

Throughout the course students will evaluate their current fitness levels and use this information to design their own personal fitness programs. Students will participate in a wide variety of activities, many of these are considered to be potential lifetime pursuits , such as golfing, jogging, tennis and many others.

The classroom component of this course will focus on the topics of sport science and sport in society.

The primary goal of this course is to reinforce with students the benefits of maintaining an active healthy lifestyle.

DANCE 11: Dance 11 (Academic)

Dance 11 satisfies the fine arts requirement or the physical education requirement for graduation, but cannot be used for both. The course is designed for all students, with or without previous formal dance training, and builds on a student's experiences in dance through the physical education curriculum. It emphasizes creative movement as a form of communication and self-expression as a unique way of learning about oneself and others. Students explore a range of dance styles with more focused sequences, respond critically to their own dance works and those of others, and make connections with dance in local global contexts, both past and present. Students also have opportunities to examine the connections between dance other arts disciplines.

PAL 11: Physically Active Living 11 (Open)

Students will be engaged in a wide range of physically active experiences, with an overall theme of exploring options and opportunities for life, both in school and in their community. PAL 11 encompasses both an activity component and a theory component, with an emphasis on engagement in physical activity. The activity component is designed to provide opportunities for active experiences that engage youth in traditional and non-traditional forms of physical activity. The theory component will enhance student understanding of healthy eating, injury prevention, mental and emotional health, and addiction prevention. It highlights the connection between healthy living and being physically active. Note: at this time, PAL 11 is only offered in French, and meets one of the requirements for the Integrated French certificate.

PHE 11: Physical Education 11 (Open)

PE 11 may be offered in alternating years as staffing and scheduling permit.

This course will promote and engage students in a wide range of physically active experiences, with an overall theme of exploring options and opportunities for being active for life, both in school, and in their community. There is both an activity component, as well as a theory component, with an emphasis on engagement on physical activity.

PHE 12: Physical Education 12 (Academic)

PE 12 may be offered in alternating years as staffing and scheduling permit.

The primary goal of this course is to reinforce the benefits of maintaining an active healthy lifestyle and students are required to design their own personal fitness programs. First Aid and CPR certification through St. John Ambulance and Level One Theory Certification through the National Coaching Certification Program will be offered. Students will participate in a variety of fitness, recreation, and sport activities.

Learning Strategies

Learning Strategies 12

Learning Strategies 12 provides students with specific strategy instruction based on their own individual strengths and challenges. Students will work towards becoming more effective and independent learners. They will gain career and life skills transferable to the workplace and community. This will be accomplished across five areas: awareness of self and others, organization skills, transition skills, literacy, and numeracy.

Successful completion of the course will result in the granting of a full credit towards the Nova Scotia High School Graduation Diploma.

Electives

Elective courses do not fulfill any of the requirements for mandatory courses. They may be used to meet the requirement of 18 credits to graduate.

FST 10: Food Tech/Food Prep Services 10 (Open)

This course consists of two modules: Food Technology 10 and Food Preparation and Service 10. The food technology section of the course studies a full range of equipment that can be used in the preparation of food. The food preparation and service section of the course studies catering and preparing food for groups of people.

FRE10IN: Integrated French 10 (Academic; mandatory for Integrated French students)

This is an advanced second language course. This credit must be taken in conjunction with the HISCAN11 credit. *Students in INT FRE10 must communicate in French at all times.*

The course is thematically based and emphasis is placed on written and oral production skills. Students should own two resources: a good French-English dictionary and [501 French Verbs](#).

Units of study include: Automobiles: car and its parts; studying for driver's license, Classical French theatre, and Poetry and well-known French poets.

Fr10: Core French 10 (Academic; elective)

After grade 9, French is not a compulsory course, so it is assumed that students enrolling in FRE10 wish to learn to speak in French and learn about French culture. Voluntary and regular participation in class is essential to success in FRE10.

The course focuses on four specific and inter-related aspects of language learning: communication (oral and written), second language learning strategies, culture, and language (vocabulary, verbs, grammar).

Units of study are chosen according to student interests from a list of themes that may include: travel, sports, music, vehicles, and fashion.

HIS10: History 10 (Academic)

History 10 is a course that focuses on ancient history and studies the development and characteristics of civilization. From early hominids to the Middle Ages, the course explores several of the greatest civilizations of the ancient world as students learn about political systems, daily life, religion and empire building. Students also learn to make connections between those societies and the present day.

ACC 11: Accounting 11 (Open)

Students will study accounting principles and the concepts encountered in business and personal activities. Students will also become acquainted with the principles, applications, and importance of data processing in accounting procedures.

Units of study include: The accounting equation, Business transactions, Journalizing and posting, Cash receipts and payments, Financial statements, and The accounting cycle.

CHILDST 11: Child Studies 11 (Open)

Child Studies 11 is a Family Studies credit emphasizing child development and parenting skills. The purpose of this course is to develop in students the knowledge, skills and attitudes which would best prepare them to be responsible caregivers. Students will study human reproduction, pregnancy and childbirth. The course will take students through the development stages of the newborn, toddler and preschooler. Students will participate in individual and group projects, class discussions and the preparation of creative and inexpensive play materials for young children. Students will have the opportunity to experience parenting through the use of "Baby Think It Over", a computerized baby simulator.

COOPAC 11/12: Co-operative Education 11/12 (Academic)

Co-operative education courses include an in-school learning module of 25 hours, and a community-based component of 100 hours, along with reflective learning activities. Students learn about work place skills as they participate in a business in the community.

Students must be at least 16 years of age to take part in the community component. The community-based component may take place during or after school hours, at weekends, and/or during vacations. Students may not be paid for any part of the community-based component which takes place during regular school hours.

FRE11IN: Integrated French 11 (Academic; mandatory for Integrated French students)

This credit must be taken in conjunction with the F/V 12 credit. *Students in INT FRE 11 must communicate in French at all times.*

The course is thematically based and emphasis is placed on written and oral production skills. Students should own two resources: a good French-English dictionary and 501 French Verbs.

Units of study include: novel study (La Nuit Rouge), crime and violence, film, and global simulation.

FR 11: Core French 11 (Academic) Prereq: FRE 10

Students *must be willing to communicate in French.*

The course focuses on four specific and inter-related aspects of language learning: communication (oral and written), second language learning strategies, culture, and language (vocabulary, verbs, grammar).

Units of study are chosen according to student interests.

IND 11/12: Independent Studies 11/12 (Academic)

Students must apply for acceptance to take this course. The student will design their own course of study, which is an existing course in the Nova Scotia public school program. Students select the main topic, the units of study, and the assessment methods. Students will be matched with a school staff mentor who will be a mentor. One course (or two half courses) may be taken at each of the grade 11 and 12 levels.

TOUR 11: Tourism 11 (Academic)

Tourism 11 introduces students to various industry sectors of tourism. Students explore upcoming trends and investigate the impact of development and change on the tourism industry

Units of study include: transportation, accommodation, food and beverage, attractions and events, adventure tourism, travel and trade, and tourism services.

ARTS ENT 12: Arts Entrepreneurship 12 (Academic)

Note: Arts Entrepreneurship 12 is an elective course and does not satisfy the compulsory arts education graduation requirement. Using student interests such as photography, film, music, dance, fashion and theatre, this course will provide skills and knowledge for future learning and career exploration. Students will have the opportunity to present shows, run short arts based ventures and create projects based on their personal interests. This course would be of interest to students who are interested in the business/entrepreneurial aspect of arts as well. A course that is exploratory in nature, it focuses on project-based and portfolio learning. It emphasizes inquiry and focuses on skills that students will need for the 21st century, including critical thinking, problem solving, risk taking, communication, collaboration, creativity and innovation. It will take inquiry beyond the traditional classroom walls into the community and workplace. This course will also deepen your understanding of Nova Scotia's vibrant cultural sector and its contribution to the quality of life in our communities

ENT 12: Entrepreneurship 12 (Academic)

Students will be provided with the opportunities to develop the kind of interests, attitudes, skills and characteristics that are essential to survive in an entrepreneurial culture. Students develop their own business plan and run their own business venture.

Topics include: Who are entrepreneurs? How do I start my own business? What does it mean to be my own boss? What is, and how do I write, a business plan? Where do I get financial aid or assistance in starting my own business?

FR 12: French 12 (Academic) Prereq: FRE 11

Students are expected to communicate in French. Weekly, students will participate in a long-term global simulation. At the end of the course, students will participate in a graded interview with an external examiner to determine the student's oral proficiency level. The results of this interview will not impact the student's final grade in the course. Units of study include: Language (vocabulary, verbs, grammar), Communication (oral and written), Second language learning strategies, and Culture.

LAW 12: Law 12 (Academic)

LAW 12 is designed to provide students with knowledge of law and its function in society. In addition to readings, reviews, tests, and guest speakers, students will maintain a portfolio and participate in a mock trial.

Units of study include: Canadian legal system, Trial procedure, Canadian Rights and freedoms, Sentencing, appeals, prison, Criminal law, and Youth Criminal Justice Act.

CANFAM 12: Canadian Families 12 (Open)

Can Fam12 is a course designed to develop an understanding of the nature of families in historical, social and cultural contexts, reflecting the diversity that is represented in today's society: Images of Families, Family Well-being, and Living in Families.

Psychology 12 (Academic)

Psychology 12 exposes students to a variety of theoretical models of psychology, and facilitates understanding of the issues underlying major psychological theories and practices. This course is designed to provide an overview of contemporary paradigms and the theoretical foundations, assumptions, and ethics of professional practice. Through lectures, readings, class activities, discussions, films, assignments, group work, presentations and personal reflections, students will learn about the essential concepts and fundamental components of the major theories, examine differences and similarities among the different approaches, consider ethical issues, and lay the foundation for developing a personal approach to helping. Topics may

include research techniques, states of consciousness, statistics, learning, neuroscience, mental disorders & treatments, developmental and social-cultural issues.

SOC 12: Sociology 12 (Academic)

SOC 12 focuses on the popular social sciences of Sociology, Anthropology, and Psychology to address issues of the society's structure, the individual's behaviour, and humankind's past and current direction.

Units of study include: Process of socialization, Social interaction and communication, Learning, behaviour, and motivation, Impact of culture, Social institutions, and Modern society / current social issues.

Advanced Placement Human Geography (HUM GEO AP 12)

Advanced, 1 credit

The Human Geography course is designed to be the equivalent of an introductory human geography course usually taken by geography majors during their first year of university. This course is an in-depth, content-intensive study of geographic concepts/topics and models dealing with all aspects of human geography. Students meet virtually with the AP Human Geography teacher twice per week beginning in September, ending upon completion of the AP Human Geography exam in May. The AP Human Geography credit does satisfy the global studies requirements for Nova Scotia graduation. Having some Geography background will be an asset but not required. Having a strong academic background, being self-motivated, outgoing and comfortable with completing work independently are ingredients for successful learning in the course.

Advanced Placement Computer Science A (AP CMP SCI 12)

Advanced, 1 credit

APCSA is a Computer Science course that focuses on introducing students to computer programming using the Java programming language. The course will consist of labs, tests, and assignments. This course will help prepare you for entry into a university or college program in Computer Science or a similar field. No prior programming knowledge is required to take this course, however, the learning curve is steep, so be prepared to step up to the challenge from day one. Students meet virtually with their teacher twice per week beginning in September, ending upon completion of the AP Calculus exam in May.

With each year, more and more universities are requiring students to have computer science experience. Why not put your skills to the test without worrying about tuition fees? Software developers are in demand all over the world, so take the first step towards a career in the world of tomorrow.

Courses and Programs with Special Recognition

Some courses offered at BRCS result in special recognition or special certificates. As with other courses, there is no guarantee that programs will be able to continue from year to year.

Integrated French Certificate

Students who take the Integrated French program from grade 7 to grade 12 receive a certificate at the end of the program, indicating their completion of the program. In each of the years of senior high school, students continue to select the Integrated French credit. There is a second credit that is studied in French each year. In grade 10, the additional course is Canadian History 11 (HISCAN 11). In grade 11, it is Film/Video 12. In grade 12, it is Global History 12 (HISPLAN 12). Students cannot also obtain credit for the corresponding credit in English.

Fine Arts Certificate

The Fine Arts Certificate is awarded to students who complete 5 fine arts credits, along with a portfolio requirement qualify for the certificate. 3 of the credits must be in the same discipline (eg music). The portfolio is built over the three years of high school. More information is available from the arts teachers.

Technology Education Certificate

The Technology Education Certificate is awarded to students who complete 5 technology courses. Should a student complete 7 technology credits with no grade below 85%, a certificate of excellence will be awarded. Students must apply by the end of March in their Grade 12 year. More information is available from the technology education teacher.

Options and Opportunities (O2) Certificate

Options and Opportunities is an academic program designed to assist students who are seeking alternative options to traditional learning. High school students who participate in the program get hands-on experience in a career academy and increased opportunities for community-based learning such as co-op credits and short-term work placements. The O2 program will be linked to post-secondary education and training and other opportunities such as apprenticeship. O2 builds on initiatives introduced through the Youth Pathways and Transition strategy.

O2 is available for students entering grade 10. There is an application and interview process required to be accepted into this program.

Independent Studies

Independent Studies is designed for students who wish to study a topic in depth, but no course exists to meet the student's vision. A student can take an independent study credit in each of the grade 11 and grade 12 years. The student completes the application process, and works with a mentor. A student who is interested in Independent Studies must be highly motivated, well organized, and able to learn independently. More information is available from the school's coordinator.

AVRCE Virtual Advanced Placement Program

This program is designed to provide an enriched curriculum to students of AVRCE. AP courses are considered to be first-year university level and can lead to a university credit if the student is successful on the College Board exam written in May. Working virtually online with their AP teacher, students cover a curriculum that is a combination of online activities, audio/visual hook-ups, and occasional visits to another school. Currently, AVRCE offers AP Biology, Calculus, Chemistry, Computer Science, English Literature and Composition, and Human Geography to Grade 11 and 12 students virtually outside of normal school hours. For more detailed information on the Virtual AP courses, please visit the AVRCE website at

www.avrce.ca and search for Advanced Placement. The AVRCE AP Lead Teacher will be visiting our school in late February/early March for an AP Information Session to answer questions about the program. Registration takes place in March of each school year. Please see Student Services for further info.

Students enrolling in AP courses must be **highly** motivated, have good time management skills, and be capable of independent study. It is likely that the online instruction would take place before or after regular school hours.

Challenge for Credit

The Challenge for Credit process allows schools to recognize that a student has already acquired the knowledge, skills, and attitudes that an existing PSP (Public School Program) course seeks to develop. Challenge for Credit provides a process for students to demonstrate that they have achieved the course's learning outcomes as defined by the Department of Education and Culture in the PSP and the curriculum guide.

At present, Challenge for Credit will be considered in the area of Fine Arts (Music, Art and Drama), Language (French, German and Spanish) and Mathematics. Students may challenge for no more than two credits at each grade level for a total of six credits, which will count towards a high school graduation diploma.

Courses for which students have already received credit are not eligible for Challenge for Credit. The Challenge for Credit process is not permitted as a way to improve a course marks as an avenue to pass a course that a student has already taken and failed.

There is very specific process to be completed. More information is available from the school counsellor.

An application for Challenge for Credit must be completed by October 15th for first semester courses and March 20th for second semester courses.

Independent Studies

Independent Studies is designed for students who wish to study a topic in depth, but no course exists to meet the student's vision. A student can take an independent study credit in each of the grade 11 and grade 12 years (thus earning a maximum of two credits towards graduation). The student completes the application process, and works with a supervising teacher.

Successful completion of an independent study requires the following:

- Approval of the supervising teacher, the school counselor, and the principal.
- Completion in a minimum of 110 hours for full credit courses, 55 hours for half-credit courses.
- Complete responsibility by the student for the entire process (from initiating the independent study to satisfying all of its requirements).

It is the responsibility of the student to:

- a) Demonstrate an ability to work independently with minimal direction
- b) Design and develop, with advice and guidance from the supervising teacher, a plan for completing the independent study credit including a course outline, learning and assessment plan
- c) Organize and complete learning experiences and activities involved in this plan
- d) Cooperate with supervising teacher throughout the independent study credit process

Independent study credits are not to replace existing courses in the public school program. A student who is interested in Independent Studies must be highly motivated, well organized, and able to learn independently. More information is available from the school's coordinator.

Nova Scotia Virtual School Credits

N.S. Virtual School provides an opportunity for a limited number of high school students in the AVRSB to

complete PSP courses online. Courses that are available for online instruction can be found at:
<http://www.nsvs.ednet.ns.ca>

Personal Development Credits

Nova Scotia's Personal Development Credits offer students an opportunity to gain a high school elective credit for pursuing their interests and developing their talents through a variety of approved courses that are different from the courses they take at school.

Students who have successfully completed a course or program approved by the Department of Education and Culture will be eligible for a personal development credit. It is the responsibility of the organization providing the program to have the program recognized and approved. It is the responsibility of the student to submit an application form to the school, along with documentation to prove that they successfully completed the program.

The credit will be entered on a student's high school transcript and may count toward one of the five elective credits required for graduation. A Personal Development Credit will be awarded as a grade 10, 11 or 12 credit or half credit.

Personal development credits fall into three learning areas: The Arts, Languages, and Leadership.

More information, along with approved courses can be found at <https://pdc.ednet.ns.ca/>.