

# Course Descriptions

## SAERC

### 2017-2018

*The information below is intended to give students and parents a better idea of course content as they make course selection decisions. Some elective courses may not be offered based on student course selections from the previous school year.*



*Included in each description is a “Credit Type” designation. These designations indicate the following:*

**Advanced:** *Courses designed to meet the needs of students who have demonstrated an exceptional degree of academic ability or achievement.*

**Academic:** *Courses designed for students who expect to enter college, university, or other post-secondary institutions.*

**Graduation:** *Courses are designed for students who wish to earn a graduation diploma with a view to proceeding to employment or some selected area of post-secondary study.*

**Open:** *Although none of the open courses is designed to meet the specific entrance requirements of any post-secondary institution, individual courses may meet entrance requirements of some institutions.*

## **Nova Scotia Graduation Requirements:**

**18 credits are required to graduate; 13 of these are compulsory:**

- 3 English Language Arts (one at each grade level)
- 2 Mathematics (from two different grade levels)
- 2 Sciences (Science 10 credit and one other)
- 1 Canadian Studies course
- 1 Global Studies course
- 1 Physical Education course
- 1 Fine Arts course (Art, Drama, Music)
- 2 other credits from Technology, Mathematics or Science

*\*No more than 7 of the 18 credits may be from courses coded as Grade 10, and at least 5 must be from courses coded as Grade 12.*

***\*Graduates of 2020 will need 3 Maths to graduate.***

Only one credit will be given for a course in the same subject at the same grade level, although both will show on the student transcript.

- For example, if a student completes English Communications 12 and English 12, it will only count as one credit toward the 18 credits required for graduation.
- Exceptions to this include Mathematics 11 and Pre-Cal 11; Pre-Cal 12 and Calculus 12.

## **Post-Secondary Admission Requirements:**

Listed below are the typical grade 12 courses required for several post-secondary programs. It is important to check the specifics for each institution as they vary, especially outside of Nova Scotia.

### **University Entrance Requirements:**

- **Bachelor of Arts:** English + 4 other academic courses.
- **Bachelor of Science:** English, Pre-Calculus, 2 Sciences + 1 other academic course.
- **Bachelor of Commerce:** English, Mathematics (in some cases Pre-Calculus) + 3 other academic courses.
- **Bachelor of Engineering:** English, Pre-Calculus, Chemistry, Physics + 1 other academic course (Note: Calculus is required for Science and Engineering in many universities outside Atlantic Canada.)
- **Bachelor of Computer Science:** English, Pre-Calculus + 3 other academic courses.
- **Bachelor of Nursing:** English, Math, Chemistry, Biology + 1 other academic course

### **Community College Entrance Requirements:**

- Grade 12 diploma or equivalent
- Some programs have specific subject requirements, particularly in mathematics and science. Check online or with Guidance.

## **ENGLISH LANGUAGE ARTS**

***Students are required to take one (1) English course in each of their three years of high school. All students will take English 10 +. Students can choose between Academic English and English Communications in grades 11 and 12.***

### **ENGLISH 10**

#### **Credit Type: Academic**

English 10 provides a balanced and integrated program of language and literature, offering a variety of formal and informal speech activities, including paired and group discussions. The writing component of the course provides a wide variety of writing experiences in various modes for various audiences. Ideas for expressive writing are generated in part by examination of the mass media, which also enriches the study of literature. Reading and literary study are integrated with speaking, listening, thinking and writing activities. Students are introduced to the literary terminology and techniques which will help them to appreciate, evaluate and make critical judgments. Plays, novels, short stories, poetry and modern drama are the vehicles through which the goals of linguistic competence and literary appreciation will be achieved. Approaches are varied, including journal writing, sustained silent reading, group discussion and panel presentations, as well as individual assignments, presentations and projects. This course will satisfy one of the English provincial graduation requirements.

### **ENGLISH 11**

#### **Credit Type: Academic**

English 11 is an academic course which is intended as a university preparatory for students whose goals include post-secondary study. In this course, major literary texts are examined with an emphasis on critical and analytical response. Units of study comprise the main literary genres - i.e. the short story, novel, poetry, drama, and media texts. Students are expected to demonstrate competency in the more formal style of written and oral communication. It is important that students bring good work and study habits with them to the English 11 classroom and demonstrate that they are well on the way to becoming independent learners. To ensure that students have the necessary background skills to be successful in English 11, it is recommended that a level of competency (65% or better) was demonstrated in English 10 +.

### **ENGLISH COMMUNICATIONS 11**

#### **Credit Type: Graduation**

English Communications courses are intended to prepare students for lifelong learning by engaging them in practical and interesting learning experiences closely related to their lives and to the world they experience as adults. English/Communications courses are intended to provide experiences that enable students to develop socially and emotionally. Students will become aware of ways in which language can entertain, inform and influence others as well as, how to adapt their own language to suit their purposes. In

striving to meet the literacy demands of our society, students will work on developing a sound basic knowledge of how to use English to the best of their ability. Students will extend their thinking through the exploration of a range of issues. Students in this course are encouraged to incorporate computers into their daily language tasks: exploring, drafting, editing and publishing their ideas.

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## **ENGLISH 12**

### **Credit Type: Academic**

English 12 builds on the processes and experience of English 10 + and 11 and is intended for students whose goals include post-secondary education. While this course emphasizes challenging literary texts, students will be provided with opportunities to select their own material for independent study and small group inquiry. As students engage in the activities and assignments of this course, they will extend their knowledge base, thinking processes, learning strategies, self-awareness and insights. Writing is a major focus for English 12 and students will gain confidence in representing their ideas and demonstrating their learning in a variety of ways.

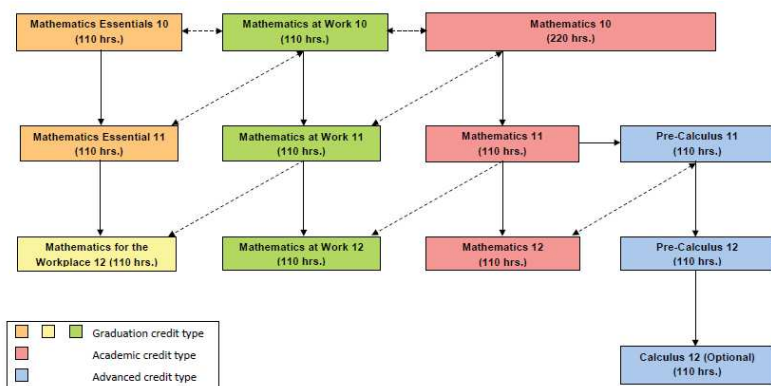
## **ENGLISH COMMUNICATIONS 12**

### **Credit Type: Graduation**

English Communications 12 builds upon the principals established in English Communications 11. With the continued emphasis being on preparing students for lifelong learning, student will engage in practical, interesting and relevant experiences. These experiences will help shape their confidence as learners and empower them to develop competency as communicators. Students in this course are

## MATHEMATICS in Grade 10 & 11

**Students entering Grade 10 in September 2013 will need two (2) mathematics credits to graduate, only one of which may be a grade 10 credit. However, the school recommends that they take the equivalent of one math course per year. Which math courses to take depend on two things: (a) the student's ability in mathematics and (b) the math prerequisites for specific post-secondary programs. Students who are entering or entered grade 10 in the 2013-14 school year or after will follow the new provincial math curriculum. Typically, students choose math courses using these guidelines:**



## **MATHEMATICS 10**

**Credit Type: Academic**

**Prerequisite: Successful completion of Mathematics 9**

- Mathematics 10 is a 220-hour, 2-credit course. This will mean that students will have mathematics class every day for their grade 10 year.
- Upon successful completion, two Grade 10 credits will be awarded:
  - 1 academic mathematics credit
  - 1 of the two additional credits in “science, mathematics and/or technology”
- Mathematics 10 is an academic high school mathematics course which is a pre-requisite for all other academic and advanced mathematics courses.

Mathematics 10 is designed to provide students with an initial course in the pathway to develop mathematical understandings and critical-thinking skills identified for post-secondary studies in programs that require an academic or Pre-Calculus mathematics credit. Students will explore the following topics: 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. Many topics will be studied in depth to provide the student with a good background for the sciences. This course is an academic credit and is intended for students who will follow the academic or advanced/pre-calculus programs in grades 11 and 12. **A Provincial Exam will be written at the end of this course.**

## **MATHEMATICS AT WORK 10**

### **Credit Type: Graduation**

- Mathematics at Work 10 is a 110 hour, 1 credit course which demonstrates the application and importance of key math skills.

Mathematics at Work 10 is a new course 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. Students will explore the following topics: measurement, area, Pythagorean theorem, right triangle trigonometry, geometry, unit pricing and currency exchange, income, and basic algebra. This is a one semester course. **A Provincial Exam will be written at the end of this course.**

## **MATHEMATICS ESSENTIALS 10**

### **Credit Type: Graduation**

**Prerequisite: Successful completion of Mathematics 8 or Mathematics 9**

- Mathematics Essentials 10 is a 110 hour, 1 credit course for students who do not intend to pursue post-secondary study or who plan to enter programs that do not have any mathematics pre-requisites.

Mathematics Essentials 10 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 the real world and will become more confident in their mathematical understandings. Students will explore the following topics: 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. This is a one semester course. **There will be no provincial assessment for Mathematics Essentials 10.**

## **MATHEMATICS 11**

**Credit Type: Academic**

**Prerequisite: Successful completion of Mathematics 10**

This course is required for all grade 11 students who intend to keep all options open for university. Many students will select just Mathematics 11 and then take Mathematics 12 in their final year of high school. For students who wish to pursue science programs and the like in university, they must take the Pre-Calculus 11 course listed below following Mathematics 11. In this course, students will be expected to demonstrate an understanding of a mathematical topic through independent research, and they must communicate their findings to their peer group.

## **PRE-CALCULUS 11**

**Credit Type: Advanced**

**Prerequisite: Successful completion of Mathematics 11**

This course follows the completion of Mathematics 11 and is a complement to it. The two courses cover a variety of topics and comprehension of them is essential before attempting Pre-Calculus 12 in their final year of high school. The advanced courses are designed for those who will take a math or science program in university, along with some business programs in certain universities. This course is taken in the second semester of grade 11.

## **MATHEMATICS AT WORK 11**

**Credit Type: Graduation**

**Prerequisite: Successful completion of Mathematics 10 or Mathematics Foundations 10**

This course is a continuation of the graduation credit course offered in grade 10. This stream of math courses 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.

## **MATH ESSENTIALS 11**

**Credit Type: Graduation**

**Prerequisite: Successful completion of Mathematics Essentials 10**

This course is a continuation of Mathematics Essentials 10. It is designed for students who plan to enter programs which do not have a mathematics prerequisite.

## **Extended Mathematics 11 \*New\***

**Credit Type: Academic (2 credits: 1 math, 1 technology)**

**Prerequisite: Successful completion of Mathematics 10**

This is a full year course, designed to provide students with more time to consolidate their mathematical understanding and to study some new concepts. Students would take Math 12 in their senior year after taking Extended Math 11.

## MATHEMATICS 12

Student Path	Grade 11	Grade 12
High School Leaving Or Community College (See individual program requirements)	Math Essentials 11 →  Or Math at Work 11 →  Or Mathematics 11 →  Or Math 11 & Pre-Cal 11 →	Math Essentials 12**  Or Math at Work 12  Or Mathematics 12  Or Pre-Calculus and Calculus 12
University for Arts and Applied Programs (See individual program requirements)	Math at Work 11 →  Or Mathematics 11 →  Or Math 11 & Pre-Cal 11 →	Math at Work 12  Or Mathematics 12  Or Pre-Calculus and Calculus 12
University for Science, Engineering, Math and Business Programs	Math 11 & Pre-Cal 11 →	Pre-Calculus and Calculus 12

**\*\*Note: Math Essentials 12 is included in the table above to help show students and parents the path towards graduation. Math Essentials 12, however, is considered a TECHNOLOGY credit and NOT a MATH credit.**

## **PRE-CALCULUS 12**

**Credit Type: Advanced**

**Academic Math 11 and Pre-Calculus 11**

This is a fourth high school mathematics course for students who will study for a degree in science, mathematics, engineering, or business. This course is intended for those who have completed Math 11 and Pre-Cal 11, and will provide the student with many tool kits needed for the study of calculus.

## **CALCULUS 12**

**Credit Type: Advanced**

**Prerequisite: Successful completion of Pre-Calculus Mathematics 12**

Introductory Calculus is designed as a study of basic differential and integral calculus for the student who dealt with the introduction of Pre-Calculus 12. Problems of all professions become easier with an understanding of the intricacies of using this powerful tool of change and growth. The course is an asset for those students furthering their studies in science, economics and mathematics.

## **MATHEMATICS 12**

**Credit Type: Academic**

**Prerequisite: Successful completion of Mathematics 10 and successful completion of Mathematics 11.**

This university-preparatory course may be chosen by a student who has successfully completed the Grade 11 academic course and who wishes to fulfill one of the



requirements for admission to post-secondary programs excluding degrees in mathematics, certain science and business majors, and engineering.

## **MATHEMATICS At Work 12**

**Credit Type: Graduation**

**Prerequisite: Successful completion of Mathematics Math at Work 11 or Mathematics 11**

This is the completion of the high school leaving course begun in grade 10 and continuing in grade 11. A practical approach to the mathematics of everyday life will be taken. Such useful topics as credit charges, banking services and bank reconciliations, income tax, investments, statistics, geometry and number patterns will be included.

## **SCIENCE**

***Students require two (2) science credits to graduate. Again, many students take additional science courses to meet the pre-requisites for various post-secondary programs. It is expected that all students will complete Science 10 and at least one other science course.***

### **SCIENCE 10**

**Credit Type: Academic**

This program is designed to foster an appreciation of the power of scientific explanation as a way of understanding the world. There are four main units of study: ecosystems, chemistry, physics, and weather patterns. This course also includes three primary points of emphasis; a science inquiry emphasis, a technological problem-solving emphasis, and a societal decision making emphasis. The material is approached as an intellectual pursuit and an activity based strategy. Upon successful completion, students will be able to make more informed decisions as to whether they might wish to pursue chemistry, physics, or biology in terms of additional coursework or as a career.

### **SCIENCES 10**

**Credit Type: Academic**

This is the French equivalent of Science 10

### **BIOLOGY 11**

**Credit Type: Academic**

This course emphasizes themes of change, diversity, energy, equilibrium, matter, and systems. The following core topics are covered: (1) cell theory – cell structure and function; (2) diversity among living organisms – classification of living organisms; (3) human systems and homeostasis – digestive, respiratory, circulatory, and immune; and (4) ecosystems dynamics.

### **CHEMIE 11**

**Credit Type: Academic**

This is the French equivalent of Chemistry 11. Students in the French immersion program take this course to meet the requirements of the Immersion Certificate.

### **BIOLOGY 12**

**Credit Type: Academic**

Biology 12 consists of the following core topics: (1) human nervous system and endocrine system; (2) human reproduction and development; (3) Cell division, genetics, DNA, genes, and chromosomes; and (4) evolution and population genetics.

### **CHEMIE 12**

**Credit Type: Academic**

This is the French equivalent of Chemistry 12. Students in the French immersion program take this course to meet the requirements of the Immersion Certificate.

## **CHEMISTRY 11**

### **Credit Type: Academic**

Chemistry 11 studies the composition, process, properties and structures of matter. Students develop an understanding through problem solving and analysis. The four units of study include: (1) matter and its changes - review of nomenclature, formula writing, balancing equations and reaction prediction; (2) stoichiometry - introduces the problem solving aspect of chemistry by investigating the mathematical relationships used to make predictions related to chemical reactions. Note: strong math skills are important in this unit; (3) structures and properties - investigates the nature of chemical bonds and their effect on chemical properties; and (4) organic chemistry - the classification of organic compounds, nomenclature, bonding, how they react as well their environmental effects. Math 10 Academic and Science 10 are recommended prerequisites for this course.

## **CHEMISTRY 12**

### **Credit Type: Academic**

Chemistry 12 provides a more in-depth exploration of various topics intended for students pursuing post-secondary Chemistry. Chemistry 12 consists of four units of study: (1) solutions and equilibrium; (2) thermo chemical changes; (3) acids and bases in chemical changes; and (4) electrochemical changes.

## **OCEANS 11**

### **Credit Type: Academic**

This course offers students the opportunity to explore aspects of global and local oceanography and current ocean-related issues. Students will complete modules consisting of the following topics: motion, marine life, resources, world influence, fisheries, and coastal regions.

## **PHYSICS 11**

### **Credit Type: Academic**

Physics is the study of the relationship between matter and energy. These relationships are often represented mathematically; therefore, Physics can assist in improving a student's Math skills. Physics 11 consists of four units of study: (1) Kinematics – the study of how objects move; (2) Dynamics – the study of the factors that cause changes in motion; (3) Momentum and Energy – the study of the energy and momentum changes which occur when two or more objects interact; and (4) Waves – where students are expected to use diagrams and geometry to explain and describe wave phenomena with extensions to algebraic models.

## **PHYSICS 12**

### **Credit Type: Academic**

Physics 12 consists of the following units of study: (1) Force, Motion, Work and Energy – this unit is an extension of Physics 11 topics; (2) Fields – the study of forces that exert influence through space without contact; (3) Waves and Motion Physics – the study of electro-magnetic phenomena and light; and

Radioactivity – the study of natural and artificial sources of radiation. Students will be asked to work independently and collaboratively in planning and carrying out investigations (labs, computer simulations and/or research/building projects), solving problems, as well as generating and evaluating ideas.

## **TECHNOLOGY**

***In addition to the two (2) math and two (2) science credits required for graduation, students are also required to take two additional credits from any of the MATH or SCIENCE courses above or from the TECHNOLOGY courses listed below.***

### **CONSTRUCTION TECHNOLOGY 10**

**Credit Type: Open**

This introductory course in construction technology is designed to provide students with an overview of the construction industry with emphasis on light construction systems. Course content includes units on the Imperial measurement system, construction preplanning, methods of ownership, machine operation and safety, design and drafting, rafter math, non-structural systems, project estimating and codes, easement and restrictions. In addition to these systems, alternative construction systems and future construction systems will be studied. There is a math component in each unit of study.

### **FOOD PREPARATION/ FOOD TECHNOLOGY 10**

**Credit Type: Open**

Food Technology 10 is a course in which students explore food technology for the home and industry. This course takes students from a historical perspective to understanding current technology and future developments in food preparation, food preservation, and consumer practices. Each unit has a theory and practical component. Students sample foods prepared using various technologies and examine issues such as genetic modification, organic food production, and the impact of kitchen and industrial food technology on families and the environment.

Food Preparation 10 has students explore food preparation and presentation and develop skills which may be transferred to food service skills in the workplace. Students are provided with practical experiences in food preparation and service. They look at the impact of technology on the preparation of food in the home and workplace.

### **COMMUNICATION TECHNOLOGY 11 & 12**

**Credit Type: Open**

Communication Technology 11 provides opportunities for students to become involved in a wider range of communications technology applications, including electronic communication and graphic reproduction. This is a project-based course; some examples include power-point presentations, Microsoft Publisher assignments, creating a website, and photo projects. Communication Technology

12 is a continuation of the Communication Technology 11 course and relies heavily on project work.

**MATHEMATICS ESSENTIALS 12**  
(formerly known as Mathematics for the Workplace 12)  
**This counts as a technology/elective credit**  
**Credit Type: Graduation**

*The prerequisite Mathematics Essentials 11 must be taken and successfully completed prior to starting Mathematics Essentials 12. Therefore, these courses are to be taken consecutively, not concurrently, and the order may not be reversed.*

The Mathematics 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**

Mathematics Essentials 12 is designed for students who either do not intend to pursue post-secondary study or plan to enter post-secondary programs that do not have any mathematics pre-requisites. The content of this course will help students work toward improving the mathematical knowledge base needed for work directly related to the trades. This course will be modular based and project oriented.

Students in Mathematics Essential 12 will do the following modules.

- Module 1: Measurement

- Module 2: Mini-project: Mathematics and Career Exploration
- Module 3: Ratio, Rate, and Proportion
- Module 4: Major Project: Math Preparation for the Workplace

**DESIGN 11**

**Credit type: Academic**

Design 11 involves students in using communications and information technologies to develop solutions to design problems and to conduct inquiries into design issues. Students work independently and as part of design teams to explore design in a range of practical contexts. Modules for this course include the following: design fundamentals; communication design; the built environment; product design; and design team or independent project.

**PRODUCTION TECHNOLOGY 11 & 12**

**Credit Type: Open**

By the end of each Production Technology course, students are able to demonstrate the process required to create a product using a variety of materials and methods.

**ENERGY, POWER & TRANSPORTATION 11**

**Credit type: Open**

A course that presents the student with the opportunity to research, design, and construct projects that can harness and manipulate all forms of energy. The course will provide opportunities in the areas of alternate energy sources, green energy sources as well as the evolution of traditional energy sources.

## **MULTIMEDIA 12**

### **Credit type: Academic**

Multimedia 12 provides learning opportunities through which students become skilled, critical creators and consumers of multimedia. Students will be expected to learn the basics of multimedia design starting with traditional methods as well as advanced methods which include the use of computer based programs. Students acquire an understanding of aesthetic/artistic implications of multimedia products, and apply the elements and principles of art and design to construct multimedia products. Using these ideas and concepts, students must be able to communicate ideas effectively using many different types of mediums such as audio, visual and movement. Modules focus on image creation and manipulation, time-based images, sound, and multimedia authoring.

## **FILM & VIDEO PRODUCTION 12**

### **Credit Type: Academic**

Film & Video Production 12 involves students in the production of a Film or Video. Students work independently and as part of a production team to explore roles in the film industry, develop skills required in production of roles, develop a critical awareness of historical and cultural aspects of film; and, work through the process of producing a film of video from script development to final edit. Modules for this course include fundamentals, production team skill, film industry disciplines and careers; and film development and production.

## **CANADIAN STUDIES**

***Students must complete one (1) of the following two courses to fulfill the Canadian Studies requirement for graduation:***

### **CANADIAN HISTORY 11**

**Credit Type: Academic**

Canadian History 11 will examine the evolution of the Canadian national identity. Students will learn about the emergence of modern Canada as shaped by Aboriginal peoples, as well as French, English and other immigrants. This course will enable students to evaluate major social, economic and political changes and developments in Canadian history. Through an examination and understanding of Canada's cultural roots, students will be challenged to define what it means to be Canadian at the dawn of the 21st century.

### **HISTOIRE DU CANADA 11**

**Credit Type: Academic**

This is the French equivalent to Canadian History 11. Students in the French immersion program take this course to meet the requirements of the Immersion Certificate.

### **AFRICAN CANADIAN STUDIES 11**

**Credit Type: Academic**

The African Canadian Studies course will introduce students to:

- the vast historical experience of African Peoples
- the African diaspora
- the African Nova Scotia experience
- the contributions of people of African descent to the world.

Presented in a challenging, dynamic, and interesting manner, the course will equip students with a sound understanding of the experiences, local achievements and contributions of people of African descent. Students will discuss the geographical, historical, economic, political and social experiences, struggles and life stories of a people who have contributed to world history.

## **GLOBAL STUDIES**

***Students must complete Global Geography or Global History in order to graduate.***

### **GLOBAL GEOGRAPHY 12**

**Credit Type: Academic**

In this course you will come to grips with some of the most important threats and issues faced by our planet; and, you will see how geographers propose to analyze them and offer solutions to deal with them. Students will examine such topics as the physical world and humankind, natural hazards and disasters, the study of populations, global resources, the global economy, urbanization, The United Nations, and the future planet. Thus, through examination and understanding of these global topics, the students should be able to answer the following question: "How can studying global geography help us to resolve some of the crises Earth is facing today?"

### **GEOGRAPHIE PLANATAIRE 12**

**Credit Type: Academic**

This is the French equivalent of Global Geography 12. Students in the French immersion program take this course to meet the requirements of the Immersion Certificate.

### **GLOBAL HISTORY 12**

**Credit Type: Academic**

Global History 12 is a thematic study of the modern world since 1945. This study will focus upon the political, economic and social development of the post-World War II era. Students will examine these themes in five compulsory units: East-West, North-South, the Pursuit of Justice, Societal and Technological Change; and, Acknowledging Global Interdependence. Throughout their studies, students will address the focal question of the course: "Has humanity emerged into a world whose actions are governed more by interdependence at the global level than by dependence or independence at the national or international level?" Students will also be able to propose reasonable answers to the question upon which Nova Scotia's global studies courses are built: "How did the world arrive at its current state at the close of the 20th century?"



## **FINE ARTS**

***Students are required to complete one (1) of the following grade 10 level courses in order to graduate.***

### **VISUAL ARTS 10**

**Credit Type: Academic**

Art 10 is a first year Visual Arts course. The first 4 weeks of the program is devoted to developing the five perceptual skills of drawing. Attention is directed towards the development of students' visual thinking skills and learning the verbal language that will allow them to better understand the expressions of others. Concentration is on acquiring knowledge of the elements of art and principles of design, and how they are used to create works of art using a variety of media.

### **DRAMA 10**

**Credit Type: Academic**

Drama 10 is one of the arts electives that satisfies the Department of Education's requirements for graduation; the course is open to all students. Drama 10 is designed to develop self-confidence, self-expression, and imagination while enhancing communication and social skills. Students are expected to participate in a wide variety of group activities, as much of the assessment depends on active, positive participation. Personal growth and development are also key elements of evaluation. This course will focus on four major components: foundation (confidence and trust building);

movement (use of the body for self-expression); speech (enhancing communication through vocal delivery and listening critically); and theatre (to share and present work as well as complete a student created/performed production).

### **ART VISUELS10**

**Credit Type: Academic**

This is the French equivalent of Art 10. Students in the French immersion program take this course to meet the requirements of the Immersion Certificate.

### **MUSIC 10**

**Credit Type: Academic**

Music 10 is an "introduction to music" class, combining history, listening, playing, and theory. Students will study the history of a period of music (classical, musical theatre, opera, rock and roll, etc) and work on theory according to their level and knowledge. Playing involves students playing either band instruments or personal instruments in a group setting. Vocal music is also chosen for playing repertoire. There is no exam in this course; evaluation comes from projects, tests, and participation. Positive attitude and willingness to work in groups are essential.

## **PHYSICAL EDUCATION**

***Students are required to complete one (1) of the three courses below.***

### **PHYSICAL EDUCATION 11**

**Credit Type: Open**

This course offers a balance between lifetime and team sports whether indoors, outdoors or within community facilities.

Personal fitness will be stressed with emphasis placed on cardiovascular endurance as well as other health-related aspects of fitness. A theory component directly related to activities will be included. Students in all physical education courses are expected to participate daily, and students should be aware that some of the activities in this course will take place outdoors (e.g., outdoor broomball, 5K walks, etc).

### **PHYSICAL EDUCATION 12**

**Credit Type: Open**

This course is a continuation of the Physical Education 11 credit described above. Students in all physical education courses are expected to participate daily, and students should be aware that some of the activities in this course will take place outdoors (e.g., outdoor broomball, 5K walks, etc).

### **MODE DE VIE ACTIF 11**

**Credit Type: Open**

This is the French equivalent of Physically Active Living 11. Students in the French immersion program take this course to meet the requirements of the Immersion Certificate.

### **FITNESS LEADERSHIP 11**

**Credit Type: Open**

Students will explore such topics as: anatomy and physiology, principals of conditioning, leadership, injury prevention and risk management, and the components of a fitness class.

### **YOGA 11**

**Credit Type: Open**

Yoga 11 will introduce students to various styles and characteristics of yoga. It is an expectation that students will develop a lifelong personal practice of yoga for personal fitness and recreation. Students will be participating in a variety of activities that will include both physical practice and classroom theory. The physical practice of yoga will include learning, developing and practicing skills that involve strength, flexibility, endurance, balance, and poise, regulation of energy, and mental focus, all of which can be applied to other physical activities. Classroom sessions educate students about the relationship between nutrition and fitness, the history and philosophy of yoga including values of non-violence, ethics, honesty and respect in the context of challenging physical activity.

## **FRENCH IMMERSION PROGRAM**

***Students wishing to complete the French Immersion Certificate must complete nine (9) credits during their three years of high school. They must successfully complete two at each grade level, and three of the nine must be Français 10, 11, and 12. Six of the nine courses required for this certificate were described above: Arts Visuels 10, Histoire du Canada 11, Mode de Vie Actif 11, Chimie 11, Chimie 12 and Géographie Planétaire 12.. The remaining 3 credits required for the French Immersion Certificate are described in this section.***

***The premise of the French Immersion program is that students converse in the French language. It is essential in developing and improving their language skills. It is therefore necessary that all students communicate in French during class time. Conversing in English undermines the program and will not be permitted.***

### **FRANÇAIS-IMMERSION 10**

**Credit Type: Academic**

Students are engaged in listening and speaking experiences that require them to communicate information and respond both orally and in writing to a variety of texts, such as conversations, interviews, articles, poems, short stories and novels.

### **FRANÇAIS-IMMERSION 11**

**Credit Type: Academic**

Français Immersion 11 is the French Language Arts course for students in Grade 11 French Immersion. Students continue to listen and respond to a variety of texts and to communicate orally information on various topics. Students are involved in such activities as improvisation and drama. Reading and literature includes articles, biographies, poems, mythology, short stories and novels. Writing activities include letters, tales, short stories, reports and research papers. The course also explores other forms of viewing and writing.

### **FRANÇAIS-IMMERSION 12**

**Credit Type: Academic**

Students continue to develop their listening and oral skills in French while engaged in a wide variety of activities. Reading and literature includes many forms and genres, including articles, position papers, poetry, legends, short stories, novels and drama. Students write informative reports, research papers and briefs. The course also explores other forms of viewing and representing.

## **ELECTIVES**

***There are only thirteen (13) required courses for graduation. Students can choose from the elective courses below or any of the other courses above to fill out their schedules. Students should select courses that reflect their interest, ability, and/or those which will be required for admission to post-secondary programs.***

### **TOURISM 11**

#### **Credit Type: Academic**

This course will give students an introduction to the tourism industry. The course offers students opportunities to develop the essential knowledge and skills needed to enter the tourism industry or post-secondary tourism/hospitality programs. Units for this course include the eight sectors of tourism: food and beverage; accommodation; transportation; adventure tourism and recreation; attractions; events and conferences; travel trade; and tourism services. There are a number of projects throughout this course that make up a large percentage of the overall mark.

### **ACCOUNTING 12**

#### **Credit Type: Open**

Accounting 12 is an advanced level accounting course with a brief review of Accounting 11 topics. Other topics to be examined include the accounting cycle, analysis of various

types of companies. Although Accounting 11 is not a prerequisite for this course, it is recommended. This course would be beneficial to students planning to advance their studies in business.

### **LAW 12**

#### **Credit Type: Academic**

The Canadian Law course is designed to provide students with knowledge of law and its function in society and the opportunity to develop skills and attitudes that will enable them to understand the process of law. Topics include the Canadian legal system, crimes and crime control, injuries and wrongs, human rights, property rights, promises and agreements, business relations, family relations, and courts and trials. This course requires a fair amount of reading.

### **SOCIOLOGY 12**

#### **Credit Type: Academic**

Sociology 12 provides students with an examination of the society in which they live. Students will have the opportunity to view many of today's social issues as a sociologist would see them. Topics will include Culture, Social Institutions, Deviance, Conformity and Control, Prejudice and Discrimination, and Social Issues.

### **CAREER DEVELOPMENT 11 (1/2 credit)**

#### **Credit type: Open**

Students in Career Development 11 will develop their abilities to communicate and think reflectively. They will explore realistic academic and career goals, assess their own abilities,

and realize how these actions will affect their learning and decision-making processes. They will take responsibility for managing and focusing their explorations into the world of work and personal finance as they become attuned to the realities of preparing for employment.

## **WORKPLACE HEALTH AND SAFETY 11 (1/2 credit)**

### **Credit type: Open**

Workplace Health and Safety 11 (WHS 11) is a half-credit course designed for the purpose of building on knowledge about our responsibility within workplace health and safety. This course is primarily project based around WHIMIS, Passport to Safety, First Aid, etc.

## **VISUAL ARTS 12**

### **Credit Type: Academic**

This course continues the concentration on drawing, design, and art history (including contemporary art) begun in Visual Art 10, and further develops skill and ability in the other core components of painting, printmaking, and sculpture.

## **MUSIC 12**

### **Credit Type: Academic**

Music 12 is a personal development class. Students must have music knowledge or Music 10 to take this course.

## **CHILD STUDIES 11**

### **Credit Type: Open**

Child Studies is a course designed to help students explore the meaning and implications of responsible parenthood, acquire current information regarding reproduction, pregnancy and childbirth, explore significant issues of early childhood, and apply the understanding of child development to the care and guidance of children. In this program students will have the opportunity to take a simulated baby home for a weekend to discover what is really involved in caring for an infant.

## **HEALTH AND HUMAN SERVICES 12**

### **Credit type: Academic**

Students will gain skills and knowledge in human development, ethics, helping process, interpersonal and personal development, wellness, written and verbal communications, and computer applications. Students will explore skills and knowledge specific to defined occupations in the health care system. A requirement of the course is that each student complete 10 hours of volunteer work outside of class time.

## **CANADIAN FAMILIES 12**

### **Credit Type: Open**

This course will explore the past and the present trends of our society and relate their impact on the lives of Canadian families looking at family formation, the family life cycle, children and fertility, the division of labour in the family, the

social and economic characteristics of a family, and the aging family and its impact on our society.

## **CO-OPERATIVE EDUCATION 11/12**

### **Credit Type: Open**

The co-op course is offered to students at the grade 11 and 12 level. It consists of a 25 hour in-school component and 100 hours community work place component. Students must apply for acceptance into the co-op program and meet the requirements set down for the course.

## **GEOGRAPHY 11**

### **Credit Type: Academic**

Geography 11 covers contemporary Canadian geography with its regional and cultural diversities and includes a systematic examination of such general characteristics as Canada's vast area, its northern character, its climate, and its economic development. Canada is studied both in the context of its continental North American setting and through its component regions and sub-regions. This course also provides a thematic treatment of such topics as pollution, urbanization, resource development, changing technology, and rural life.

## **ENTREPRENEURSHIP 12**

### **Credit Type: Academic**

This course is designed to prepare students to compete and thrive in the workplace as well as enhance their quality of life. By promoting the attitudes and values of successful entrepreneurs, this course helps students discover ways of

setting individual goals so they have more control over events in their lives and their future. The values and skills of entrepreneurship will also help students take advantage of what the new workplace offers. The course consists of three components:

**The Theory Component** - Students will explore the following units:

1. Entrepreneurship a Way of Life
2. Building Opportunities from Ideas
3. Marketing of a Business/Product
4. Financial Planning for a Business

**The Action Component** - Students will complete Mini-Business Ventures/Mentorship Programs/School Based Activities/Community Oriented Initiatives. (40-60 hours of commitment time beyond regular class assignments.)

**The Business Plan Component** - Students will have to write business plans.

## **COMMUNITY BASED LEARNING 10**

### **Credit Type: Open**

This course is offered for students who are not ready for community placement for age or other reasons. This course will expand opportunities for students to learn in the workplace and community. It provides credit for service learning, volunteering and other community based activities which focus on leadership, mentoring, employability, skill development and personal growth.

*This course counts towards an O2 Coop Credit.*

## **OPTIONS AND OPPORTUNITIES**

***The Options and Opportunities Program (also known as O2) is an exciting high school program which offers students more hands-on learning experiences with a career focus. It's designed to prepare students for successful transitions from high school to work, a career path, or a post-secondary program.***

***The program focuses on students who may not be fully engaged with their learning and with school, achievement of their academic potential, direction and support in developing career/life pathway, and are prepared to commit to a new approach to their learning. O2 provides multiple opportunities for cooperative education, where students learn in community and workplace settings, link their in-school learning to the workplace, and enhance their employability skills.***

***A critical element in the success of O2 is the participation of the Nova Scotia employers and communities who open their doors to students. Whether it's helping to shape curriculum, attending a career fair or hosting a student for a co-operative education work placement, O2 gives employers and communities an opportunity to play an active role in***

***the education of our youth and to help create the workforce of the future.***

Students who are interested in the O2 program must apply and interview for a spot in the cohort. Applications will be available in May, with interviews and decisions made by June. Please speak to administration or guidance staff if you have any questions about the O2 program at SAERC.

Please note: Students must begin the program in grade 10 and remain in it through their senior high school years (grade 10, 11, and 12). Successful completion of this program includes guaranteed seating at Nova Scotia Community College. Because it requires a specific number of credits, students cannot join the O2 program after grade 10, but they can take courses similar in nature to those in the O2 program.