

Secondary Education in Canada: A Student Transfer Guide New Brunswick (Francophone Sector)

Part 1 – Summary Statement

1. Introduction

New Brunswick is a bilingual province. There are two distinct education sectors that, across the entire province, consist of both French-language school districts and English-language school districts. Each of these two education sectors is attached to a division of the Ministry of Education that develops and oversees the implementation and evaluation of educational programs and services.

2. Organization of School System

The New Brunswick school system provides education from Kindergarten to Grade 12. In the Francophone sector, these thirteen years are organized into two teaching cycles: elementary (from Kindergarten to Grade 8) and secondary (from Grade 9 to Grade 12). To enroll in Kindergarten, children must have had their fifth birthday by December 31 of the current year. School attendance is compulsory until the completion of secondary school studies, or to age 18.

3. Explanation of Terms Used

Public education in New Brunswick is organized as follows:

Elementary	Kindergarten to Grade 8
Secondary	Grade 9 to Grade 12

4. Course Designation

Course codes have four segments.

- The first two digits identify the discipline or subject matter.

Codes	Disciplines
10	French
From 21 to 24	English, Spanish
From 30 to 31	Mathematics and Statistics
From 40 to 45	Social Studies
From 50 to	Natural Science, Physics, Chemistry, Biology, Environmental

Codes	Disciplines
55	Science, and Astronomy
From 60 to 69	Technology and Trades
From 70 to 79	Physical Education and Personal and Social Education
From 80 to 88	Computer Science, Entrepreneurship, Accounting, Law, Cooperative Education, Introduction to the Workplace, Tourism Entrepreneurship
From 91 to 94	Arts Education: Visual Arts, Music, and Drama

- The third digit indicates the year.

Codes	Years
1	Grade 9
2	Grade 10
3	Grade 11
4	Grade 12

- The fourth digit indicates the semester.

Codes	Semesters
1	First semester
2	Second semester
3	Year-long course

- The fifth digit of the course code indicates the course level or adaptation level of a regular curriculum. For a given curriculum, for example, code 1 refers to the regular program, code 2 refers to the same program but which has been adapted with respect to the outcomes or learning activities, and code 3 refers to adaptation for exceptional students as part of an individual education plan.

Codes	Levels
1	Regular
2	Modified
3	Practical

For example, course code 30421 indicates Mathematics (30) at the Grade 12 level (4), offered in the second semester (2) at the regular level (1).

5. Time Allotments and Course Load

The school year is comprised of 195 days of which 187 are teaching days. It is divided into two semesters of 93.5 days each.

6. Curriculum Organization

The curriculum has two components: the theoretical framework and the study plan. The theoretical framework is made up of the following elements:

Themes	Sub-Themes
School system orientation	Public education mission
	Educational goals and norms
Pedagogical components	Guiding principles
	Transdisciplinary learning outcomes
	Pedagogical model
Program orientation	Introduction to the discipline
	Conceptual fields and general learning outcomes
	Didactic principles

The second component, the study plan, sets out the learning outcomes targeted by the course. This information includes mainly general as well as specific learning outcomes.

7. Testing and Grading Practices

The Measurement and Assessment Branch is responsible for the development, administration, and marking of the provincial secondary-level examinations students must take in order to obtain their secondary school diploma. At the end of each semester, in January and in June, there is a provincial examination in Mathematics 30311 and 30312. In addition, an interview with each Grade 10 student is conducted to assess the oral language skills in English as a Second Language. An assessment is also conducted in French 10331 and 10332 (reading and writing skills) at the end of the annual course.

Written examinations are required for the secondary school diploma and represent 40 per cent of the student's final mark. The other 60 per cent consists of the mark provided by the school. Although assessment of the oral language skills in English as a Second Language is not part of the final mark, all students receive a certificate attesting to their skill level.

8. Requirements for Graduation

The secondary school program consists of 30 credits from Grade 10 to Grade 12. One credit is equivalent to 93.5 hours of instruction, and students receive 1 credit for each approved course they successfully complete, with 55 per cent being the minimum mark required to obtain their secondary school diploma. Students must earn a minimum of 24 credits of which 17 are credits for compulsory courses and 7 are credits for elective courses. The following are compulsory courses:

Compulsory Courses

French

- **5 compulsory credits**

- French 10231 or 10232, 2 credits
- French 10331* or 10332, 2 credits
- French 10411 or 10412, 1 credit

* Students earning 85 per cent or more on the provincial graduating examination for French 10331 will be able to substitute course 10411 with an elective French course.

Second and Foreign Languages

- **2 compulsory credits**

- English 21211* or 22211,* 1 credit
- English 21311 or 22311, 1 credit

* Students obtaining the highest level at the language interview conducted during English 21211 and 22211 will be able to substitute course 21311 or 22311 with an elective course in English or a foreign language.

Mathematics

- **3 compulsory credits**

- Mathematics 30231 or 30232, 2 credits
- Mathematics 30311 or 30312, 1 credit

Science and Technology

- **3 compulsory credits**

- Natural Science 50211 or 50212, 1 credit
- Technology 60211, 1 credit
- 1 credit from the following elective courses:
Biology 53411/53412, Physics 51311/51312, Chemistry 52311/52312, Environmental Science 54411, Astronomy 55411, or Natural Science 50312

Social Studies

• **2 compulsory credits**

- History of the World 42211 or 42212, 1 credit
- History of Canada 42311 or 42312, 1 credit

Education of the Individual

• **2 compulsory credits**

- Personal and Social Education 74211, 1 credit
- Physical Education 71211, 1 credit

Computer Skills

- Students are able to demonstrate that they possess the computer skills defined by the Department of Education.

or

• **1 credit**

- Computer Science and Society 81311

Secondary School Diploma

As a result of the reorganization of secondary school education, the Department of Education is now responsible for awarding the secondary school diploma. Before the diploma is conferred, secondary schools determine, on behalf of the Department, whether or not students have achieved the desired learning outcomes.

Part 2 – Summary of Course Content

9. French as a First Language

French 10131

The Grade 9 French course, like all other secondary French courses, is structured around five communication objectives: narrate and demonstrate understanding and appreciation; convince; report; guide; and understand and convey new information. Various genres are used for understanding and production purposes (tale or legend, oral story, poetry and song, novel, advertising, news item, informal letter, summary, instructions, information brochure, interview, current event, and handbooks from various disciplines). Through these texts, students develop their skills in relation to the five objectives, and they progress in learning the language in its oral and written, literary, and standard forms. The chosen approach is that of didactic sequences. This year-long course is designed for all Grade 9 students.

French 10231 and 10232

The Grade 10 French course, like all other secondary French courses, is structured around five communication objectives: narrate and demonstrate understanding and appreciation; convince; report; guide; and understand and convey new information. Various genres are used for understanding and production purposes (life story or biography, poetry and song, novel, short story, argument essay, opinion piece, anecdote or true story, written account, news bulletins, news report, forms, magazine article, and extracts from encyclopaedias or reference manuals). Through these texts, students develop their skills in relation to the five objectives, and they progress in learning the language in its oral and written, literary, and standard forms. The chosen approach is that of didactic sequences. This year-long course is designed for all Grade 10 students.

French 10331 and 10332

The Grade 11 French course, like all other secondary French courses, is structured around five communication objectives: narrate and demonstrate understanding and appreciation; convince; report; guide; and understand and convey new information. Various genres are used for understanding and production purposes (literary short story, oral dialogue, poetry and song, novel, drama, opinion piece, cultural column, critical appraisal of a text, summary, story coverage, and magazine article). Through these texts, students develop their skills in relation to the five objectives, and they progress in learning the language in its oral and written, literary, and standard forms. The chosen approach is that of didactic sequences. This year-long course is designed for all Grade 11 students.

French 10411 and 10412

(Students who have been awarded their secondary school diploma before September 2009)
This Grade 12 course offers a range of activities through which students can practise their reading and writing skills with literary and standard texts as well as their speaking skills in

various situations. Students analyze novels and poetry and song, and they write opinion pieces. Through debate, they also learn to present oral arguments. In the area of vocabulary, syntax, and spelling, students are expected to have acquired the necessary knowledge to pursue their studies or to continue their learning in the workplace.

French 10411 and 10412

(Students who are awarded their secondary school diploma starting June 2010)

The Grade 12 French course, like all other secondary French courses, is structured around five communication objectives: narrate and demonstrate understanding and appreciation; convince; report; guide; and understand and convey new information. Various genres are used for understanding and production purposes (novel, poetry and song, editorial, debate, critique, essay, and informational synthesis). Through these study objects, students develop their skills in relation to the five objectives, and they progress in learning the language in its oral and written, literary, and standard forms. The chosen approach is that of didactic sequences. This year-long course is designed for all Grade 12 students.

10. English as a Second Language

English as a Second Language 21111, 21211, and 21311

The English as a Second Language 21111, 21211, and 21311 courses are designed for Grades 9, 10, and 11 Francophone students who are acquiring and developing language skills in their second language. Students taking these courses acquire most of their oral and written language skills in school, as they have little contact with English outside the school environment.

English as a Second Language 22111, 22211, and 22311

The English as a Second Language 22111, 22211, and 22311 courses, designed for Grades 9, 10, and 11 Francophone students, are intended to develop and improve language skills, with an emphasis on written communication. These students already have good oral language skills and can easily express themselves in the target language whether inside or outside their English courses.

Spanish

Spanish 23411

This course is designed to introduce students to the basics of the Spanish language. It takes into account the interactive and communicative nature of a language; therefore, it is based on regular sessions of authentic communication—where students interact (with or without the teacher) and take part in oral production and communication activities—as well as on autonomous interactive communication-based activities that require students' active participation in language acquisition. The themes addressed—personal identification, friends, family, home, community, shopping, clothing, food, leisure activities, holidays, and Spanish-

American cultural activities—are divided into modules that help students develop their oral, written, and reading language skills using a step-by-step process.

Spanish 23421

This course is a follow-up to Spanish 23411. Students learn to deepen and broaden their basic knowledge of Spanish. Interactive activities focusing on written and oral communication are presented in a manner that enables students to take an active part in the acquisition and development of a personalized lexicon. The themes—sports and leisure activities, travel, health, information and communication technologies, the media, natural disasters, Earth’s environment, society, consumption, formal and informal Spanish, and Spanish-American cultural activities—are divided into modules that help students develop their oral, written, and reading language skills using a step-by-step process.

11. French as a Second Language

Students in the Francophone sector do not take French as a Second Language courses.

12. French (Immersion)

Students in the Francophone sector do not take French Immersion courses.

13. Mathematics

Mathematics 30131

This year-long course in mathematics bridges primary school learning and the learning to be acquired throughout secondary education. In this course, students have the opportunity to explore the following concepts: real numbers and interrelations, situation modeling using relations (mostly linear), area and volume of figures and solids, polygon properties, geometric demonstrations, as well as statistical methods. As with all mathematics courses taught in New Brunswick, the recommended didactic approach uses problem-solving techniques while creating relationships with daily life situations and by communicating reasoning based on a coherent and appropriate approach.

Mathematics 30231 and 30232

This year-long course is a logical continuation of Mathematics 30131. Students see the following themes: representation of real number subsets, radicals and absolute values in a digital context, exponential and radical laws, refined relations and functions, relations between the points of a Cartesian plane (e.g., the slope), polynomial operations, factorization, number sequences, trigonometry, similar figures, as well as probabilities and probable values. As with all mathematics courses taught in New Brunswick, the recommended didactic approach uses problem-solving techniques while creating relationships with daily life situations and by communicating reasoning based on a coherent and appropriate approach.

Mathematics 30311 and 30312

This course is taught over one semester and is a logical continuation of Mathematics 30231 or 30232. Students see the following themes: financial mathematics, linear equation systems in a context of linear programming, quadratic functions, as well as modeling and solving various trigonometry-based situations. As with all mathematics courses taught in New Brunswick, the recommended didactic approach uses problem-solving techniques while creating relationships with daily life situations and by communicating reasoning based on a coherent and appropriate approach. This course is required to obtain a secondary school diploma.

14. Science**Science 50111**

This course, compulsory in Grade 9, focuses on the development of a scientific culture that is defined according to the following three main areas: the nature of science, scientific knowledge, and issues in STSE (science, technology, society, and environment). The specific learning outcomes and themes selected for this course—reproduction, atoms and elements, electricity, and space exploration—are based on the *Common Framework of Science Learning Outcomes* produced by the Council of Ministers of Education, Canada.

Science 50211 and 50212

This compulsory program is designed for all Grade 10 students. This course aims to develop a scientific culture by focusing on three main areas: the nature of science, scientific knowledge, and issues in STSE (science, technology, society, and environment). The specific learning outcomes and themes selected for this course—sustainability of the ecosystems, chemical processes, movement, and dynamics of atmospheric conditions—are based on the *Common Framework of Science Learning Outcomes* produced by the Council of Ministers of Education, Canada.

Science 50312

This modified course is intended for Grade 11 students whose scientific path requires a structure adapted to their situation. It focuses on daily life events related to the workplace and is drawn from the reality experienced by young people. Students see the following themes: safety and chemical products, electric circuits, micro-organisms, the immune system and health, and the impact of humans on the environment. This course allows students to relate what they learn about physical, biological, and environmental sciences to practical applications in everyday life.

15. Social Studies (Humanities)**Geography of Canada 41111**

In the Grade 9 geography program, students learn to develop geographical reasoning processes and to develop skills specific to the discipline. Geography is learned from three general learning

outcomes: to read a territory's organization, to interpret a territorial issue, and to build planetary consciousness. These learning outcomes are developed through the study of various types of territories (agricultural, maritime, urban, forestry and mining) in a Canadian context.

History of the World 42211 and 42212

As with all other secondary history courses, History of the World is designed to help students use the intellectual approach specific to the discipline and to develop a historical perspective as well as the abilities required to become responsible citizens. Grades 10 and 11 history courses study the same chronological period, from the 17th century to present day, but each from a specific laboratory viewpoint: Grade 10 students study the world, and Grade 11 students study Canada. These courses are designed to reflect the connection between both laboratories and, consequently, they share the same educational components. History of the World explores the following themes: European expansion, the Revolution Era, the Industrial Age, wars, democracy and totalitarianism, as well as the world in the 21st century.

History of Canada 42311 and 42312

As with all other secondary history courses, History of Canada is designed to help students use the intellectual approach specific to the discipline and to develop a historical perspective as well as the abilities required to become responsible citizens. Grades 10 and 11 history courses study the same chronological period, from the 17th century to present day, but each from a specific laboratory viewpoint: Grade 10 students study the world, and Grade 11 students study Canada. These courses are designed to reflect the connection between both laboratories and, consequently, they share the same educational components. History of Canada explores the following themes: Europe in America, the creation of British North America, the birth of Canada, the world wars, the economic crisis, and Canada in the 21st century.

Others

16. Prerequisites and/or Co-requisites

A prerequisite is a course with components that must be acquired in order to tackle the components of another course (adaptation from the definition by Legendre, 2005). It is understood that students must obtain the prerequisite credit(s) before registering in the next course.

Prerequisites

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COURSE	PREREQUISITE
Mathematics 30311	Mathematics 30231*
Mathematics 30312	Mathematics 30231 or 30232
Mathematics 30321	Mathematics 30311
Mathematics 30411	Mathematics 30321
Mathematics 30421	Mathematics 30411
Statistics 31411	Mathematics 30311
Physics 51311	Natural Science 50211*
Physics 51312	Natural Science 50211 or 50212
Chemistry 52311	Natural Science 50211*
Chemistry 52312	Natural Science 50211 or 50212
Biology 53411	Natural Science 50211*
Biology 53412	Natural Science 50211 or 50212
Physics 51411	Physics 51311
Chemistry 52411	Chemistry 52311
Biology 53421	Biology 53411
Physics 51421	Physics 51411
English 21411	English 21311
English 22411	English 22311
Spanish 23421	Spanish 23411
Physical Education 71411	Physical Education 71211
Leadership 71421	Physical Education 71211
Physical Activity Science 72411	Physical Education 71211

It should be noted that the above table was developed to promote student success. Exceptions may occur, and in that case, school management has to make appropriate decisions and commit to providing students with the necessary support and conditions to help them succeed. The present regulations should not prevent schools from offering students opportunities that could help them fulfill their potential.

- * The modified course corresponding to this regular course can be considered a prerequisite. As the modified courses that have been developed for the new secondary curriculum include notional content quite similar to regular level content, a student provided with appropriate support could pass a regular course at the next level.

NATURAL SEQUENCE FOR OTHER SECONDARY LEVEL COURSES

A natural sequence indicates a progression within a study program in which learning outcomes are organized according to the complexity of content and knowledge acquired by students.

SECONDARY COURSE	SEQUENCES	
Social Studies: History of the World 42211\42212	→ History of Canada 42311\42312	→ History of Acadia 42411
PERSONAL AND SOCIAL EDUCATION: Personal and Social Education 72411	→ Life-Work Development 73411	
SCIENCE: Natural Science 50211\50212	→ Natural Science 50312	
ENVIRONMENTAL SCIENCE: Chemistry 52311\52312 or Biology 53411\53412	→ Environmental Science 54411	
PHYSICS: Physics 51311\51312	→ Astronomy 55411	
FRENCH: French 10231\10232	→ French 10331\10332	→ French 10421\10412
MUSIC: Music 92111	→ Music 92411	
VISUAL ARTS: Visual Arts 91111	→ Visual and Media Arts 94411	

Other Types of Programs/Courses

A. Arts Education

Visual Arts 91111

In this Grade 9 course, students create works and learn to appreciate the contemporary and past works of local and foreign artists. They have an opportunity to explore two- and three-dimensional works of art created from various materials. Students take part in problem-solving activities, work in groups and independently, acquire specialized skills and knowledge, and establish relations between art and society.

Music 92111

This Grade 9 course focuses on musical culture and the practical application of knowledge to various musical parameters (rhythm, harmony, melody, etc.). Students address the relationship between music and other art forms as well as the place of music in history and culture. They also have the opportunity to appreciate, play, and create music.

B. Physical Education

Physical Education 71111

Through a variety of physical and sports activities, Grade 9 students develop motor and physical skills that will help them adopt an active lifestyle and become aware of the benefits generated by physical activities and fitness training. Students also learn to assess their initial physical fitness, set objectives, and plan improvement programs.

Physical Education 71211

In this follow-up course to Physical Education 71111, Grade 9 students analyze and adjust the efficiency of their movements as well as individual and collective strategies through a variety of physical or sports activities. Students also learn to assess their initial physical fitness, set objectives, plan an improvement program, and follow this plan throughout the course. This course is designed to promote the health of students by making them more self-reliant and responsible, in their own way, for the integration of physical activities into their lifestyle.

C. Personal and Social Education

Personal and Social Education 74111

This course in personal and social development is designed for Grade 9 students. Its aim is to foster responsible, well-informed citizens who know how to reflect, question themselves, and contribute to an evolving, productive, democratic society. Students learn to establish harmonious interpersonal relations, manage conflicts, make healthy decisions, and adopt behaviours that foster well-being for themselves and those around them. Students learn to

have a better understanding of their interests, strengths, and ideals, and they learn to set personal and professional goals with a view to preparing their life/work project.

Personal and Social Education 74211

This course in personal and social development is designed for Grade 10 students. Its aim is to foster responsible, well-informed citizens who know how to reflect, question themselves, and contribute to an evolving, productive, democratic society. This course builds on the previous course, with special emphasis on the life/work project.

D. Technology

Technology 60211

This compulsory course is designed for Grade 10 students and provides them with an opportunity to explore a variety of technological activities specific to various fields of human activity. Through creativity, critical thinking, and problem-solving activities, the curriculum for this course encourages students to adapt to a technological culture. They are placed in learning situations that enable them to better understand the nature of technology, to make decisions concerning technological issues, and to understand the function of technology, its potential, its consequences, and its limitations from a global perspective.

E. Options

The following are optional courses for admission to post-secondary institutions.

English as a Second Language 21411 and 22411

English as a Second Language 21411 and 22411 are elective courses for Grade 12 students. They are offered at two levels: 21411 is designed for students in the process of acquiring the language, while 22411 is designed to develop and master language skills by focusing on written communication and the preparation for post-secondary studies. Students in courses 21411 and 22411 follow a regular language development course.

Physics 51311 and 51312

These elective introductory physics courses are designed for Grade 11 students. They introduce students to the study of movement and energy. Their aim is to place students in a research environment where they practise the skills, strategies, and methods specific to scientific investigation. These courses consist of four compulsory modules that focus on the following themes: kinematics, dynamics, energy, and waves. These courses enable students to take additional physics courses if they wish.

Physics 51411

This elective course specializes in the study of movement and energy. It is designed to develop students' knowledge of kinematics, dynamics, electrostatics, electricity, and

magnetism. The course enables students to relate what they learn about physics to practical applications in everyday life.

Physics 51421

This course is an advanced elective course in that it prepares students for post-secondary studies and is designed to develop skills in kinematics, dynamics, and optics. It also provides students with a choice of several themes—notably fluid mechanics, restricted relativity, and astrophysics. Students, therefore, have the opportunity to broaden their knowledge and skills by studying physical phenomena and to relate what they learn about physics to practical applications in everyday life.

Chemistry 52311 and 52312

Chemistry 52311 and 52312 are elective course offered as of Grade 11. These introductory courses are an initiation to the study of the composition and transformations of matter. They are designed to place students in a research environment where they practise skills, strategies, and processes specific to scientific investigations. The courses are divided into four compulsory modules that focus on the following themes: matter and bonds, chemical quantities, solutions, and gas. These courses enable students to take the second chemistry course if they wish.

Chemistry 52411

This elective course specializes in the study of the composition of matter and its transformations. It is designed to help students learn about the atomic structure of chemical elements and their properties, the relations between chemical reactions and energy, chemical balance, and one of the two following themes: electrochemistry or organic chemistry. This course allows students to relate what they learn about chemistry to practical applications in everyday life.

Biology 53411 and 53412

These elective courses are offered as of Grade 11. An introduction into the study of life and living organisms, they are designed to develop skills in the following fields: organization of the living world, the physical and chemical foundations of life, cytology, genetics, evolution, and the anatomy and physiology of plants. The study of biological phenomena enables students to broaden their knowledge and skills and to relate what they learn about life sciences to practical applications in everyday life.

Biology 53421

This elective course provides students with an opportunity to continue their study of life and living organisms. It is designed to develop skills in the following fields: evolution, cellular processes, human anatomy and physiology, physiology of movement, neurobiology, and behaviour. The study of biological phenomena allows students to broaden their

knowledge and skills and to relate what they learn about life sciences to practical applications in everyday life.

Environmental Science 54411

This elective course, offered as of Grade 11, looks at important environmental issues through an in-depth study of the main components of the biosphere, thus promoting informed decision-making processes and the ability to solve environmental issues. Students explore the following themes: biosphere and balance, soil and plants, water and aquatic ecosystems, air and atmospheric pollution, and energy.

Astronomy 55411

This elective course is offered as of Grade 11. As an introduction to astronomy, it familiarizes students with the solar system, stars, and galaxies, and it introduces them to cosmology. Since astronomy is a science based on observation, the course favours the modeling of astronomical phenomena.

Physical Education 71411

This elective course helps students apply and integrate actions in their lives and become aware of their relationship with the social environment. Through various physical activities, students continue to develop their motor skills as well as their decision-making and problem-solving skills. Students are required to develop self-assessment techniques and to demonstrate leadership skills in certain learning situations. They also plan and maintain their personal improvement program throughout the course.

Leadership 71421

This elective Grade 12 course offers students opportunities to develop and showcase their leadership qualities through learning situations that call upon knowledge, know-how, and people-oriented skills. In this course, students explore the concept of leadership and analyze various styles, all of which help them build their personal profile. Students are asked to plan, organize, and lead various activities. They also commit to a minimum of twenty hours of volunteer work in addition to their family obligations, a commitment that allows them to recognize the value of volunteer work and of becoming more responsible. Moreover, this course enables students to express and promote the importance of an active life.

Physical Activity Science 72411

This elective course focuses on the study of movement and the development of motor skills. Through theoretical lessons and practical experiments, students use prior knowledge to conduct basic research and to put together a program for improving their own physical fitness. They study anatomy and physiology as well as the principles of biomechanics related to movement and the development of physical and motor skills. They are also

encouraged to become aware of the relationship between society and culture and sports and physical activities.

Political, Economic and Legal Institutions 43411

This elective course focuses on understanding the development and dynamics of political, economic, and legal institutions in their respective contexts. Students are introduced to the basic concepts and work methods common to three disciplines that study Canadian society—namely political science, economics, and law. The course takes an inductive approach. Student participation is essential, enabling them to learn and to develop the intellectual skills and attitudes common to these three approaches to the study of life in society.

Entrepreneurship 83411

This elective course is designed to foster the development of the entrepreneurial spirit through the acquisition of knowledge and the development of entrepreneurial skills and attitudes. The course focuses on developing enterprising, self-reliant individuals who can make a positive contribution to their community. In this course, students take an active part in creating an innovative entrepreneurial project. This project, which is also a challenge, meets a societal need and involves taking calculated risks. The course promotes experiential teaching, a reflective approach, and cooperative learning. The course consists of ten modules—namely nature of entrepreneurship, profile of an entrepreneur, evaluation of entrepreneurial potential, choosing an entrepreneurial idea, planning and organizing an entrepreneurial project, marketing, operation, human resources, finance, and visions for the future.

Geography 41411

This elective Grade 12 course, as with the Grade 9 geography course, teaches students to interpret territorial issues and build their planetary consciousness. The course is designed to help students develop the ability to apply concepts from geography courses and fundamental knowledge in order to increase their understanding of the contemporary world. The main theme is divided into four sub-themes forming four separate modules: demography, culture, politics, and economy. Throughout the course, students learn to observe, analyze, and interpret, as objectively as possible, demographic and cultural diversity in the contemporary world, and the specificities, relational dynamics, and geographical behaviour of these populations and cultures.

History of Acadia 42411

This elective course allows students to understand their origins and, therefore, to know themselves better. They study the economic development of the Acadian region in the 20th century, in particular that of New Brunswick, where several important institutions that have played a key role in their growth as a community are located—fishing, forestry, pulp and paper, farming, mining, business centres, service centres, and others. The course favours

the teaching of Acadian history “in the plural” [i.e., inclusive of all Acadians (from Nova Scotia and Prince Edward Island) and of all the Acadian regions located in New Brunswick].

Law 86411

This elective course is in conformity with the orientation of the humanities programs. It furthers the intellectual and social development of students. The study of law provides students with an ideal context for learning about their role as citizens by developing their critical-thinking skills and their social conscience. They study the relations between individuals as members of a social group and the relations citizens have with their legal institutions (those of New Brunswick and of Canada as well as those pertaining to international law) and their territory. Similarly, students are asked to assess the rules that govern other societies in the world.

Tourism as a Business 85411

This elective course in tourism is offered to all Grade 12 students and is designed to develop the knowledge, skills, and behaviours needed by students who wish to explore the range of professions related to the tourist industry, the careers related to this industry, and the current industry standards. Students have the opportunity to strengthen their skills in the following areas: critical thinking, communication, problem solving, information organization and management, self-employment, and teamwork. They also have the opportunity to use related technologies to produce their assignments. The course focuses on learning operational procedures specific to this industry, on skills related to career planning and employability, on in-depth knowledge of the eight sectors in tourism, and on tourism planning and development.

Accounting 84411

This elective course allows students to become familiar with accounting terminology and to learn how to prepare simple financial statements with the help of software specific to the field. Accounting software provides students with an opportunity to improve their time-management skills, while spreadsheet programs allow them to learn how to develop and revise financial scenarios quickly and easily. Students learn the basics of taxation as well as the basics of Canadian labour laws, primarily with regards to workers’ salary rights, and second to employer responsibilities towards their employees.

Economy 44411

This elective economics course examines basic economic principles and concepts. Using national and international examples, the course provides students with the knowledge and skills required to understand economic concepts and issues as well as the tools used by economists. Consequently, the course focuses on developing and applying research mechanisms in economics. The course also aims to prepare students to make informed decisions and become responsible citizens, and it offers them the possibility of studying economics according to various methods.

Mathematics 30321

This semester-long course is a logical continuation of Mathematics 30311 and addresses the following themes: complex numbers, matrices, quadratic equations and inequalities, the circle in the Cartesian plane, series and their functions, demonstrations of triangular geometric proposals, and various metric relations in the circle. As with all mathematics courses taught in New Brunswick, the recommended didactic approach is one that is based on problem-solving activities while creating relationships with everyday life situations, and communicating arguments based on coherent and appropriate reasoning.

Mathematics 30411

This semester-long course, a logical continuation of Mathematics 30321, addresses the analysis of particular functions: cubic, rational, and square root, as well as absolute, exponential, logarithmic, and trigonometric value. As with all mathematics courses taught in New Brunswick, the recommended didactic approach is one that is based on problem-solving activities while creating relationships with everyday life situations, and communicating arguments based on coherent and appropriate reasoning.

Mathematics 30421

This semester-long course, a logical continuation of Mathematics 30411, addresses the following themes: combinatorial analysis and binomial distribution, functional analysis of the full and semi-circle, operations on functions, functional limit, derivative modeling and its associate characteristics, and the application of derivatives related to problems of optimization. As with all mathematics courses taught in New Brunswick, the recommended didactic approach is one that is based on problem-solving activities while creating relationships with everyday life situations, and communicating arguments based on coherent and appropriate reasoning.

Statistics 31411

This semester-long course is offered to students who wish to deepen their understanding of statistics and the influence they have on decisions regarding various issues in daily life. The course is an introduction to the main aspects of statistics—notably populations and statistical variables, survey and sampling methods, constraints and biases, various modes of data representation, digital summaries, standard scales, associations and causality, regression, and predictions associated with regression applications. As with all mathematics courses taught in New Brunswick, the recommended didactic approach is one that is based on problem-solving activities, creating relationships with everyday life situations, and communicating arguments based on coherent and appropriate reasoning.

Visual Arts 91411

This advanced elective course focuses on the creative process and the appreciation methods of students. Students develop their personal style by experimenting with standard practices and techniques in contemporary art, by appropriating and deepening a theme, as

well as by discovering contemporary and past works from local and foreign artists. Students take part in problem-solving activities, work in groups and independently, acquire specialized skills and knowledge, and establish relations between art and society.

Visual and Media Arts 94411

This elective course is based on two main themes: the creation and the appreciation of works of art. Students learn to use various technologies to create individual and collective works. They discover Acadian and Francophone art and artists and then open themselves to art from the rest of the world. From there, they apply an aesthetic appreciation process in order to develop their analytical sense and to become better-informed consumers.

Music 92411

This advanced elective course allows students to deepen their musical knowledge. It focuses on musical culture and the practical application of knowledge of various musical parameters (rhythm, harmony, melody, etc.). Students address the relationship that exists between music and other art forms as well as the place of music in history and culture. They also have the opportunity to appreciate, play, and create music.

Initiation to Drama 93411

This elective course is an introduction to drama. Students learn to create and interpret drama sequences and to appreciate past and contemporary dramatic works by local and foreign playwrights. They develop their creativity, their ability to understand and analyze, their expressive skills, their confidence in front of a large audience as well as a critical mind and, through teamwork, a sense of responsibility.

17. Assessment of Foreign Studies

Students wishing to attend a secondary school in New Brunswick must present their academic record to the school they have chosen. This record is usually assessed by the school, sometimes with the help of the Department of Education.

18. Contact Information

Mrs. Patricia Bonneau

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