

Course Descriptions

Languages

AP English

This elective English course can allow you to receive credit for university! English AP is for any student who enjoys reading, discussing, and writing about literature. The discussions involve structure, style, and themes, as well as figurative language, imagery, symbolism, and tone. If you are planning on completing a Bachelor of Arts degree, or just love reading and learning about how writers use language to provide meaning and pleasure, you should take this course!

Prerequisite: English 121 or 75% in English 122 or permission from English SPR.

Canadian Literature 120

Canadian Literature 120 involves the study of a variety of literary genres from past eras to present day. Through the study of selected poems, novels, essays, and plays, students will become more aware of our unique style and heritage. This course is open to all students in grade eleven or twelve, but will appeal most to those who like to read, discuss issues, and have a genuine interest in how writers reflect our identity.

English 111-121

English 111-121 is a pair of courses designed for students whose aptitudes and interests in language/literature are above average. These courses will provide an enriched variety of experiences with language and texts to challenge and refine students' competencies. Greater range and depth of the content plus more independent and interdependent experiences will accommodate students' interests and talents. Students will participate in a District English examination at the end of grade 11.

Prerequisite: English 111: 75% in English 10,
English 121: an English 111 credit or 75% in English 112.

English 112-122

English 112-122 is a pair of courses appropriate for students intending to pursue studies at a post-secondary institution. Each of the English courses will provide a wide variety of experiences with literacy skills and writing formats. English 112 will focus on argument, persuasion, fact and opinion, a Shakespearean play and other significant literary pieces; English 122 will concentrate on critical comprehension and evaluation skills of Canadian and world literature, including a Shakespearean play. Students will participate in a District English examination at the end of grade 11.

Prerequisite: English 112: 60% in English 10,
English 122: an English 112 credit.

English 113-123

English 113-123 is a pair of courses intended for students who do not plan to attend academic post-secondary institutions. These English courses provide a variety of experiences with language and texts to develop students' competencies in thinking, reading, viewing, writing, listening and speaking. High priority is given to comprehension and to effective written and oral communication. Students will concentrate on improving strategies for learning from literary, technical and media texts; practical and personal writing is stressed. Students will participate in a provincial English examination at the end of grade 11.

French 112

This course extends the range of language skills, structures and concepts for effective communication in French in a variety of situations. It is designed for students who have successfully completed French 10. Students who wish to broaden the scope of their communicative skills in the second official language are excellent candidates for this course. Oral presentations are required during this course.

French 111

The goal of this course is to further enhance the oral and written communication skills of French second language students. Students will be required to give oral presentations.

Prerequisite: French 10.

French 122-1

The goals of the course are to broaden the second language students' oral and written communications skills. A variety of project work, novels, newspaper articles and oral presentations are included in this course. All grade twelve French Second language students will participate in the oral interview, which will be evaluated by the Department of Education. Students will receive a certificate indicating their rating of proficiency according to the N.B. proficiency scale.

Prerequisite: French 112-1.

French Language A.P.

The goal of the A.P. French Language course is to strengthen the four skills in second language learning. All learning activities will focus on speaking, reading, listening and writing. Students will be able to write an exam prescribed by the College Board A.P. committee. Successful results on the A.P. exam will be accepted at various universities.

Prerequisite: F.I. Language Arts 120 or French 121.

French Immersion Language Arts 120

Students will focus on written and oral communications skills. Students will be required to read novels and give oral and written presentations based on a variety of subject areas. All students will be given an oral interview evaluated by a representative from the Department of Education. Students will receive a certificate indicating their rating according to the N.B. proficiency scale.

Prerequisite: F.I. Language Arts 110.

French Immersion Language Arts 110

Students will focus on written and oral communication skills. Students will be required to read novels, give oral and written presentations based on a variety of subject areas.

Prerequisite: F.I. Language. 10

Journalism 120

Journalism 120 is a course designed for students who want to learn more about newspaper publishing, effective communication skills, and proper journalistic writing style. Students in this course gather information, write articles, and edit them for the possibility of publication. Students will also utilize creative skills in photography, design and layout, and learn about journalistic ethics.

Learning Strategies 110

Designed to assist students having academic potential and whose goals are to take post-secondary studies, Learning Strategies 110 is designed to develop necessary, specialized skills to equip graduates for a successful transition from high school to university or college. The course covers such topics as: Learning styles identification, study skills and strategies, test-taking strategies, writing and reading skills development, and knowledge of the transition process.

Media Studies 120

The Media Studies 120 course looks at different forms of mass communication---motion pictures, television, posters, newspapers and magazines---and their impact on the individual and society. Students will learn to recognize different genres within these forms, and be able to describe the conventional ways of building a television program such as a sitcom or drama. They will also investigate such issues as media ownership and public access, gender issues in advertising, and media literacy.

Reading Tutor 120

In Reading Tutor 120, senior student tutors are paired with younger struggling readers. In the theoretical portion of the course, tutors will be introduced to techniques and methods for teaching reading and writing strategies; in the practical portion, they will actually work with a weaker reader. This course would be of particular interest for those students planning to enter the field of Education

Writing 110

Writing 110 is an exciting courses that will help all students develop their technical and creative writing abilities. Students will have the opportunity to share their writing with their peers, and publish their written work.

Mathematics**Advanced Math 120 with Calculus** (1 credit)

Advanced Math is required for entrance to most university programs of study and some community college programs. Various forms of functions are investigated including quadratic, exponential, logarithmic and trigonometric. Quadratic equations, combinations and permutations, binomial theorem and an introduction to calculus (time permitting) are topics included in the program.

Prerequisite: 60% Trig & 3 Space 122/121

AP Calculus I / AP Calculus II (1 credit per course)

The Advanced Placement program gives students the opportunity to take a college level exam while still in high school. Students are eligible to earn credits, exemptions or both at most North American universities. The content of the course follows an introductory university calculus course and includes such topics as limits of functions, asymptotic and unbound behavior, continuity as a property of functions, derivatives, related rates, curve sketching, interpretation and properties of definite integrals.

Prerequisite: 75% in Advanced Math and 75% in Math 111.

Differential and Integral Calculus 120

This is a locally-developed course designed to prepare students successful with Advanced Math 120 for university-level calculus.

Mathematics 111 Geometry and Applications (Compulsory)

Math 111 is a course for those students who enjoy math and are interested in an enriched atmosphere. Topics are the same as those for Math 112 Geometry and Applications although they are developed further and often the pace is accelerated. Students in the program upon successful completion of both Math 111 courses and Advanced Math 120 can enroll in Advance Placement Calculus in Grade 12.

Prerequisite: 75% in year 10 math and the recommendation of year 10 teacher.

Mathematics 112 Geometry and Application (Compulsory)

Math 112 is an academic - based math course intended for those students who wish to pursue a post - secondary education. Topics include statistics, independent study, probability and circle geometry.

Prerequisite: minimum 60% in year 10 math and the recommendation of the year 10 teacher.

Mathematics 113 Applications in Mathematics (Compulsory)

Math 113 is a course best suited to students who experience difficulty with math or for those students whose post - secondary studies do not require an academic math course. Topics include statistics, independent study, probability and exponential.

Prerequisite: successful completion of year 10 mathematics.

Math 111 Functions and Relations

Topics are the same as those for Math 112 Functions and Relations although they are developed further and often the pace is accelerated. A District exam makes up 30% of the final grade.

Prerequisite: Successful completion of Math 111 Geometry and Applications

Math 112 Functions and Relations

This is an academic-based course intended for students who wish to pursue a post-secondary education. Topics include applications of trigonometry, quadratics, rate of change and exponential. A District exam comprises 30% of the final mark.

Prerequisite: Successful completion of Math 112 Geometry and Applications.

Math 113 Patterns and Relations

This is a course best suited to students who experience difficulty with math or for those students whose post-secondary studies do not require an academic math course. Topics include applications of trigonometry, patterns, quadratics, and consumer math. A provincial examination comprises 30% of the final mark.

Prerequisite: successful completion of Math 113 Applications in Mathematics.

Trigonometry and 3-Space 121/122

This course will generally be taken by students in grade 12. Students will study the algebra of 3-space (modeling and sketching points, lines and planes in 3-space, solving systems of equations both algebraically and using matrices, and developing an understanding of matrix characteristics such as identities, inverse and determinants); trigonometric functions (characteristics, transformations, reciprocals inverse, and applications); and trigonometric equations and identities (solving equations and related problems, and proving identities). Students will work with both degree and radian measure.

Prerequisite: 60% Math 11/112 G&A and F&R

Sciences
AP Biology

The AP biology course is designed to be equivalent to an introductory college course for science majors. Passing the AP exam may qualify students for credit at many colleges. It is assumed that all students enrolling in AP Biology have successfully completed Biology 111 and Biology 121 with a high degree of proficiency (mark of 75%). Taking introductory chemistry before or during AP biology is also very helpful.

Biology 111

This course covers the same topics as the Biology 112 course but in greater detail. It is geared for students with a greater interest in Biology, those who are looking to further their education in Biology and those interested in the AP Biology course. There will be an increased emphasis on evolution and evolutionary trends seen in living organisms. Intensive lab work and dissections are a significant part of Biology 111.

Prerequisite: 75% in Science 9

Biology 112

This introductory Biology course covers a variety of topics. Students will begin with a review of the plant and animal cell. Cellular processes are then examined followed by an examination of the classification system. Representative organisms are looked at from each Kingdom as well as viruses. The second half of the course focuses on the human body. Topics include the digestive, circulatory, endocrine and nervous systems. Lab work and dissections are an important part of this class.

Prerequisite: Grade 9 Science

Biology 113

This course begins with a general introduction to the scientific method. The structure of the cell and cell processes are examined in detail. The classification system and the five Kingdoms are discussed as well as viruses. The human body systems are also covered including; circulation, respiration, nervous system and reproductive system. The text used in this course is Globe Biology which is at a lower reading level than the text used in Biology 112/111.

Biology 121

The topics covered include ecological issues, genetics, biotechnology and evolutionary theories. Students who have successfully completed Biology 111 will be prepared to take this course. This course is a prerequisite for AP Biology.

Biology 122

This course looks at cellular biology and the impact of the electron Microscope. The biochemistry of the cell physiology, which includes DNA action, cellular respiration and photosynthesis, is considered beyond the introductory level. Human anatomy and physiology using a homeostasis theme is considered. This section is confirmed through the dissection of a fetal pig. Students who have had Biology 112 and some chemistry will feel comfortable in this course.

Prerequisite: Biology 112

Chemistry 111

This course is recommended for students who are interested in pursuing a career in science or engineering at the university level. Students who choose this course should have a genuine interest and superior skills in mathematics. Students considering AP Chemistry must take this course.

Prerequisite: 75% in Science 9

Chemistry 111 PreAP

This course is similar to Chemistry 111 with more in-depth study and more extensive labs.

Chemistry 112

Topics in this course include an introduction to atomic theories, naming elements and compounds, chemical reactions, gases, solutions, stiochiometry and chemical bonding. There is a significant lab component to this course.

Prerequisite: Science 9

Chemistry 122

This course follows Chemistry 112. Topics include chemical bonding, energy involved in phase, chemical and nuclear changes, organic chemistry and acid/base chemistry. There is a significant lab component to this course.

Prerequisite: Chemistry 112

Chemistry 121

This course follows Chemistry 111. Topics include chemical bonding, energy involved in phase, chemical and nuclear changes, organic chemistry and acid/base chemistry. There is a significant lab component to this course. Students considering AP Chemistry must take this course.

Prerequisite: Chemistry 111

Chemistry 121 PreAP

This course is similar to Chemistry 121 with more in-depth study and more extensive labs.

AP Chemistry

This course is designed to be the equivalent of the general chemistry course usually taken during the first university year. For some students, this course enables them to undertake, as freshmen, second-year work in the chemistry sequence at their institution or to register for courses in other fields where general chemistry is a prerequisite. It is assumed that all students enrolling in AP Chemistry have successfully completed Chemistry 111 and Chemistry 121 with a high degree of proficiency (mark of 75%).

Environmental Science 122

This is a course that emphasizes the global impact that human activities are having on the environment. The focus of the course will be on Canadian issues, but it will also examine different world views of global issues. The goal of this course is to promote scientifically literate students who appreciate the delicate balance of nature, the importance of sustainable development, and the impact that human actions have on the environment, both locally and globally.

Prerequisite: Grade 9 Science

Environmental Science 123

Follows the course outline for Environmental Science 122 but uses a text with an easier reading level.

Physics 111

This course follows the same content as Physics 112 but in greater depth. Students considering taking AP Physics must take this course.

Physics 111 PreAP

This course is similar to Physics 111 with more in-depth study and more extensive labs.

Physics 112

This course will cover the areas of waves, kinematics, dynamics, work and energy. Students will investigate wave motion, properties of sound and light waves, kinematics of motion, Newton's Laws and conservation of energy.

Prerequisite: Grade 9 Science

Physics 122

This course will build upon the key principles introduced in Physics 112. Students will examine dynamics, projectiles, circular motion, universal gravitation, magnetic fields, electric fields and gravitational fields.

Prerequisite: Physics 112

Physics 121

This course will build upon the key principles introduced in Physics 111. Students will examine dynamics, projectiles, circular motion, universal gravitation, magnetic fields, electric fields and gravitational fields. Students considering taking AP Physics must take this course.

Prerequisite: Physics 111

AP Physics

AP gives students an opportunity to take college-level courses and exams while still in high school. It is assumed that students enrolling in AP Physics have a genuine interest in Physics and have an above average ability in mathematics.

Prerequisite: Physics 111 and Physics 121

Science122

This course is highly recommended for students who are planning to further their education in engineering, chemistry or any of the other Physical sciences. This course is open to any student who has completed Physics 112/111, Physics 122/121, Chemistry 112/111, and Chemistry 112/121. Lab work is a significant part of this course.

Social Sciences

AP European History

AP History students will do independent, analytical and critical research using primary sources. A strong writing background and ability to do work on one's own is needed. AP will give students an opportunity to take a university level course.

Prerequisite: History 111

Canadian Geography 120

Canadian Geography 120 is the study of the ever-changing cultural and physical landscapes of Canada and how they impact on each other. It examines physical systems and interrelates these with human-made structures and systems. It focuses on environmental issues. Geographic understandings and skills are integrated throughout the course.

Canadian History 122

This course presents the history of Canada from the early years of the nineteenth century to the present. Topics examined include: Pre-Confederation, the Confederation Era, the MacDonald Era: Expansion and Consolidation, the Laurier Era: Prosperity and Development, Years of Crisis, Between the Wars, Canada in World War II, and Canada in the Modern World.

Prerequisite: Modern History 111 or 112

Canadian History 121

Canadian History 121 is a thematic study of Canada covering the last century. Themes examined include: The Constitution (Dilemma or Identity), Social Issues and Economics (ex: Nationalism versus Internationalism).

Prerequisite: Modern History 111 or 75% in Modern History 112.

Economics 120

Economics 120 is an elective course that provides a general overview of the way our economic system works. It is designed to develop an understanding of the concepts and techniques needed in making economic decisions, and to develop an awareness of the major economic problems and issues of the day. The course also provides some experience in the application of economic knowledge, concepts, and techniques.

FI Modern History 112

The goal of this course is to develop a deeper understanding of modern history's influence on our perception of the world. This is a required course for French Immersion students. Refer to the course description in Modern History 112 for curriculum.

Modern History 111

Modern History 111 is an in-depth thematic study of major events in modern Europe history that have shaped the 21st century. Topics discussed include the French revolution, the Revolutions of 1848, the Industrial Revolution, the Russian Revolution, the World Wars and the Cold War. Students will be expected to make oral presentations and in-depth analysis.

Modern History 112

Modern History 112 follows the secularization of Western society with particular emphasis on the revolutions on the 19th and 20th centuries. Topics will include the French Revolution, the Industrial Revolution, the World Wars and the Cold War.

Modern History 113

Modern History 113 is designed to provide an understanding of the main events of the twentieth century, as well as some familiarity with basic skills used to interpret historical accounts. A survey approach is given to the following topics: Basic World Geography, Industrialization, Life in the 20's and 30's, World War I, World War II, and the Cold War.

Physical Geography 110

This course has two main components; maps and physical processes. The first component introduces skills that are basic to a geographer's use of topographic maps. The physical landscape section includes Plate Tectonics, earthquakes, volcanoes, mountain ranges, mountain building, continental drift, groundwater, and wind. This course can be used as a science credit.

Political Science 120

Political Science 120 is an introductory political science course designed to develop an understanding of various political ideologies and systems. The merits of each will be compared and contrasted to the Canadian system.

Sociology 120

This course examines the way human beings behave in groups. Some topics to be covered include: prejudice, stereotyping, discrimination and racism, deviancy, and violence. A unit on media studies will round out the course. Students are responsible for an in-depth research project.

World Issues 120

This course examines various issues that are global in nature and that require a global solution. The concept of the global village is studied, as is the relationship between nations as players in the global community. Prerequisite: Modern History 112 or Modern History 111.

Life Role & Personal Development

Co-operative Education 120

(2 credits – PM) (3 credits – AM)

This course is available to grades 11 & 12 students. Preference is given to grade 12 students. Students who qualify are placed in a career, and as a result benefit from actual experience in the working world. The experience is worthwhile and a sense of accomplishment is one of the greatest rewards. Regular class sessions are held in school in order to learn fundamentals of employment readiness and to allow students to evaluate their experiences through reflective study. A high degree of self-discipline proves essential in the students' overall success.

Entrepreneurship 110

Entrepreneurship 110 is an introductory course to the world of small business. Students will study the characteristics of various businesses and the people who created them. In addition various aspects of the market economy will be examined including economics resources, human wants, scarcity and opportunity costs, consumer demand and producer supply, setting prices in a free-market economic system, how a price change affects supply and demand of goods and services, competition in business, and labour and management.

Also included is the organization of business

- 1) Single proprietorships
- 2) Partnerships
- 3) Corporations
- 4) Co-operatives
- 5) Crown corporations

Family Living 120

This course is a unit in Family Life Education designed to give students the opportunity to research and explore topics of concern and interest related to their present and future family roles. Topics to be considered will be: universality and uniqueness of families, the single person, alternate life styles, mate selection and marriage preparation, and social issues of concern to the family.

Fine Arts 110

This course is an introduction to the arts in general. The emphasis is not merely on performance or production, but on developing visual literacy through the study of art history and of images taken from multimedia sources within modern culture. Prerequisite: Art 10 or with the permission of the instructor.

Graphic Art and Design 120

This course trains students in the fundamental elements of graphics through studio activity and the history of design. Projects are created manually, and when familiar with the elements and principles of design students begin to create digital images on Adobe Photoshop, Adobe Illustrator, and other related programs. Prerequisite: Visual Arts 110.

Health Physical Education (Wellness) 110

The focus of this course is to introduce students to the various components of wellness and for them to assess and improve upon their own levels of wellness. During gym and fitness room time, students will focus primarily on their physical wellness. The course involves going to the YMCA once a week for ten weeks to introduce students to a fitness facility in the community and to learn how to develop a personal fitness program.

During the classroom time students will explore the components of wellness and look at various lifestyle choices that affect wellness. Topics include Wellness, Developing Fitness Plans, Nutrition, Stress Management, Understanding Substance Abuse & Preventing Sexually Transmitted Disease. Various guest speakers will be brought in to add to the theory components. Students are encouraged to take part in a community 5km run at the end of the course. There is a \$10 course fee.

Health and Physical Education 120

Health and Phys Ed. 120 - Leadership - is designed to fill needs of the community with qualified volunteers. It is an elective course for students with a special interest in physical activities and healthful living, combined with a desire to develop leadership skills, which will enable them to translate their interests into dynamic personal involvement in the community. This course is not an activity course but a leadership course where leadership skills are taught and developed through activities. Activities include teaching classes, organizing intramural sports & class trips to local recreational facilities, coaching extra-curricular teams, and running designated tournaments during the semester.

Leadership 120

This is an elective course intended for students who desire to improve their leadership skills. The course is designed to enhance students' abilities to lead proactive and productive lives by reinforcing principles of teamwork, reward/recognition and leadership. Leadership 120 is both a theoretical and practical course. The theoretical component will involve direct participation in student leadership organizations. No prerequisite is required but an application and interview process is necessary. Please pick up application forms in the guidance office.

Music 111-112

This course is intended to further the study of music as initiated in the 9-10 programs. All students taking this course must play an instrument or sing at a level suitable to ensure success in the course. Students taking this course as a level 1 elective are expected to be at a performance level of Toronto Conservatory Grade 6. Level 2 students should be able to play at a Toronto conservatory Grade 4 level. In order to achieve success in the course, students must be able to play at least two solo pieces, as well as perform in ensemble. The course therefore will include solo and group instruction. Music history and theory are an important component of the course.

Prerequisite: Toronto Conservatory Grade 3 (level 2), Grade 5 (Level 1), or successful completion of the Grade 9-10 program with the permission of the instructor.

Music 121/2

Music 121/2 is a continuation of Music 111/2 with an emphasis on performance, theory and history. The grade 12 course has a greater emphasis on music of the 20th century, and composition.

Prerequisite: Music 111 or 112.

Music 120- World Music

Music 120 is designed to investigate the role of music in cultures around the world. Students will examine the music and its cultural significance to the founding peoples of Canada, music in Atlantic Canada, Music of South America and the Caribbean, Western Music of the 20th century and Music of Africa and its influence on North America. This course is modular, with each topic being a specific unit. The course is project oriented, and requires the ability to work independently, and in small groups. There are no prerequisites, or performance requirements for this course.

Music 120-Popular Music

This course will cover the major styles of popular music from the 1950's to the present, from rhythm and blues to hip hop, from Elvis Presley to The Beatles to Eminem. The course will examine the musical elements, major artists, and social, political, and economic aspects related to each style and era in popular music. Some of the styles cover as well as the respective artists include: Rhythm and Blues, Country and Western, Pop Rockabilly, Folk, Rock, Fusion, Disco, Rap, Punk, Grunge, Motown, and Alternative.

Outdoor Pursuits

Outdoor Pursuits 110 provides opportunities for students to explore various outdoor adventure activities such as camping, kayaking, canoeing, scuba diving, backpacking, hiking, cross-country skiing, downhill skiing, snowshoeing, orienteering, and rock climbing. From these experiences they will gain a greater insight, appreciation, concern and knowledge about the outdoor environment and the opportunities that it holds for educational, recreational, and economic benefit.

Also throughout the course students will take part in many team-building activities and group problem solving initiatives, where students learn to communicate and support one another to reach their goals, improve self-esteem, develop leadership skills, develop strategies that enhance decision-making, and to respect the differences within a group.

There is a fee of \$100.00 to cover outings.

Theatre Arts 120

This is a fun and exciting class where students study the history of theatre, costume, makeup, hair, movement, and play theatre games! Mainly, this is a performance based course in which students perform contemporary and classical monologues and work as an ensemble class towards producing a show.

Visual Arts 110

Visual Arts 110 builds on the experience and knowledge gained in foundations. Students learn to draw in perspectives, in tones, in textures as well as produce still life, figure drawings and imaginative projects. Students learn how to use colour in painting illustrations and imaginative graphic art projects. Students also learn how to use paper mache, clay and other forms in imaginative three - dimensional projects. Students develop the process of design and investigate the concept of printing and graphic art.

Prerequisite: Art 10

Visual Arts 120

This course is designed for students who wish to investigate art-related interests or careers. The concepts developed in the grade 11 course are enhanced. Students may be required to critique in writing aspects of process and product., and are required to complete sketchbooks as homework.

Prerequisite: Visual Arts 110

Elective Courses

Business Org. & Management 120

This course focuses on ways in which organizations deal with issues affecting their competitiveness in a changing technological and global business environment. Students will analyze various leadership techniques and study issues such as ethics in business, social responsibility, managements of groups' dynamics, uses of information technology, workplace stress and conflict, motivation of employees, and globalization. Students will also investigate the management of a diverse workforce within an organization and the importance of strategic planning.

Child Studies 120

This course is designed for students who plan to undertake further studies in this or related fields and those students who wish to expand their knowledge of the developing child. The course has three purposes:

1. To help students develop an intellectual and emotional understanding of children.
2. To help gain personal skills for participating with children.
3. To develop in students the learning skills they will need in order to be successful in their relationship with children.

Choral Studies 120

Choral Studies 120 is designed to further enrich the choral activities of students within the school through the disciplined and systematic study of the voice, its function in a choral setting, the role of the choir within a broader anthropological and cultural framework, and the development of the repertoire historically and stylistically. This study will take place through actual performance in a lab setting within the classroom, through participation, perception and evaluation of other performances in the community, and through recorded examples.

Computer Aided Basic Drafting 110

This is an introductory course designed to give students a solid base of knowledge and skill in the drafting area. Through various activities, including sketching, and computer assisted drawing (CAD), students gain the skills necessary to both visualize and present ideas graphically. As use of this form of graphic communication is so universal, this course would be of interest and benefit to a wide range of students beyond those pursuing a career specifically in the drafting industry or technology/engineering areas.

Computer Science 110

This is a course designed to: introduce the student to the process of developing a structured approach to writing computer instructions using a high level language. The students will use the Visual Basic language in a windows environment. The course is intended to develop problem-solving skills, logical-thinking skills, organizational skills and teamwork approaches. Previous knowledge of computers is not required. The course is designed to gain knowledge in terminology, functions of computer hardware and the computer operating system. Computers available for instruction are Pentiums in a Windows 95 environment. This course is a desired prerequisite for Computer Science 120.

Computer Science 120

Computer Science 120 is recommended for students with a strong interest in computer programming. Students will learn the basic syntax of the Java language, program Java Applets and write simple programs using object-oriented design principles. The course provides a good foundation for students who wish to pursue a post-secondary program in computer science.

Prerequisite: Computer Education 110.

Culinary Technology 110

This course is an introduction to the food service industry. Through participation in different experiences within a quantity food service, the student learns both to master skills through practice and to become familiar with the required qualities for employment. Some areas to which the students are exposed include personal hygiene, sanitation, safety precautions, time management, the basic principles of food preparation, and the importance of serving nutritious and appetizing meals.

Culinary Technology 120

This course is designed to prepare students for employment and/or future education in the food service industry. This technology driven and skill oriented program involves not only the “how and why” of food services preparation, but focuses on the development of personal skills and knowledge that can be applied to the food services industry.

Prerequisite: Culinary Tech 110.

Digital Communications 120

The course consists of basic hands on computer instruction in writing, video production, editing, designing, and printing. Students will be responsible for inputting material either from hard copy text, computer files, video, or photographs. Through the manipulation of text, images, and graphic designs, material will be outputted in the form of screen presentations or other formats. In addition to learning such software packages as Clarisworks, Adobe Photoshop, Adobe Illustrator, and QuarkXpress, students will receive instruction in desktop publishing and HTML for web pages. Through practical application students will demonstrate the principles of business, English grammar, composition, design techniques, editing, and proof reading.

Drafting Computer Aided Graphics 120

Primarily, this is an architectural drafting course with emphasis placed on the skills and techniques involved with Computer Aided Drafting. As well as spending considerable time on task at CAD stations, students will be involved with developing their planning, sketching, instrument drawing, and work organizational skills. Course content includes plot plans, floor plans, elevations, and wall sections. Also included is an electrical and survey drawing unit. Students who seek employment in the drafting industry or who plan to study in post-secondary technology/engineering will benefit from this course.

Digital Communications 120

The course consists of basic hands on computer instruction in writing, video production, editing, designing, and printing. Students will be responsible for inputting material either from hard copy text, computer files, video, or photographs. Through the manipulation of text, images, and graphic designs, material will be outputted in the form of screen presentations or other formats. In addition to learning such software packages as Clarisworks, Adobe Photoshop, Adobe Illustrator, and QuarkXpress, students will receive instruction in desktop publishing and HTML for web pages. Through practical application students will demonstrate the principles of business, English grammar, composition, design techniques, editing, and proof reading.

Electrical Wiring 110

This is a residential wiring course with an emphasis on the lighting and power circuits normally found in a single-family dwelling. Students will progress from a study of the basic equipment, supplies and techniques used in residential wiring to the design and placement of the total electrical circuit requirements of a single family dwelling as prescribed by the Canadian Electrical Code. This course will be of interest and value to those with a career objective in the electrical area or who have a personal interest in electrical wiring.

Electrical Wiring 120

This course is a complement to and an extension of Electrical Wiring 110. Being of interest to those students who wish to further their studies in the electrical wiring fields, this course will cover advanced electrical wiring topics including: service entrances, remote control wiring, electrical heating systems, and motor control. There will be an emphasis on current technology in the fields including the use of computers and programmable logic controllers (PLC), as they would be used in industry. Practical assignments will be used extensively to reinforce theory. Electrical Wiring 120 will be of interest and value to any student wishing to pursue a career in any of the electrical trade or electrical technology related areas.

Prerequisite: Electrical Wiring 110

Framing and Sheathing 110

This course will provide students with skills and knowledge associated with the framing-in or shell construction of typical single-family dwellings. Students will participate in construction and planning activities, which includes interpretation of the National Building Code, blueprint reading, estimating and material layout.

French Immersion Law 120

This course is designed to give students knowledge of the law, the courts' changing trends, and the major changes the constitution has brought about. Areas of study include the origins of the Canadian legal system, criminal law, civil and human rights, torts/civil law, and contracts. Actual case studies are used to illustrate situations within these areas of law. This course will also include the addition of Oral and written presentations in French.

Prerequisite: F.I. Language Arts 110.

Hospitality and Tourism 110

This elective provides an overview of the geography and history of New Brunswick and the Maritimes with an emphasis on Saint John. It explores careers and concepts of the eight sectors of tourism, types of travel packages, trends and marketing.

Introduction to Business 110

This course will explore business in Canada, the variety of careers within business; as well it looks at basic consumer skills. This course intends to get students to think seriously about jobs, money, and ethics, as well as consuming. Emphasis will be placed on decision-making as it would apply to the world of business as well as to one's personal and career management.

Accounting 120

This course introduces the student to accounting procedures, concepts, and applications. Course topics include nature of business, accountancy as a career, bookkeeping procedures, accounting theory, the accounting cycle, subsidiary ledgers, inventory control systems, accounting controls, payroll, adjustments, accruals, partnerships, corporations, statement analysis, and automated accounting. The course is designed for those students intending to study business at post-secondary institutions.

Information Technology 110

This course is designed to introduce students to a variety of technological applications and to build skills necessary for future information technology learning. Skills include web publishing graphic design, the basics of telecommunication, computer networking and software applications (MS Word, MS Excel and PowerPoint). Resources used in the delivery of the curriculum include e-mail, chat, web-board and other distance education applications. Flexibility is built into the course to meet the learning needs of all students. The course is facilitated by an off-site facilitator and may be offered to a small number of students through distance or an on-site teacher may deliver the web-based curriculum.

Introductory Electronics 110

This course serves as a basic introduction to electronic circuits, components, and the associated theory. Introductory Electronics is an application based course using such components as: resistors, diodes, transistors, capacitors and integrated circuits in such applications as rectification, filtering, and amplification. Computer assisted instruction and computer simulation of electronics are an integral part of this course. Reading of multi-meters, both analog and digital, are covered during the course. Basic mathematic skills are desirable for the section of the course covering Ohm's Law, and simple Series and Parallel circuits. Intro Electronics 110 will be of interest to those students with career objectives in the electronic/electrical industry, as well as those pursuing careers in engineering or many other technical fields. The understanding of basic electronic/electrical circuitry and theory is essential in many of today's technical careers.

Introduction to Engineering Technology 110 and CAD 110 (2 credits)

This course will be of interest to any students interested in or planning on pursuing a career in the engineering field [Professional or Engineering Technologist]. The course consists of a two-period block. Approximately half the time will be spent on Computer Aided Design [common to all engineering programs] and the other half will be spent exploring topics related to engineering. Topics will include: types of Engineering, type of work done, entrance requirements, job demographics, guest speakers from mature and recent graduates, field trips, research projects and job shadowing.

Law 120

This course is designed to give students knowledge of the law, the courts' changing trends, and the major changes the constitution has brought about. Areas of study include the origins of the Canadian legal system, criminal law, civil and human rights, torts/civil law, and contracts. Actual case studies are used to illustrate situations within these areas of law.

Metals Processing 110

This course is a study of standard machine shop processes used in the manufacture of metal products. Proper operating instructions will be given on a variety of machine tools common to the machine shop trade. Students will apply theory as well as develop practical skills through the production of practical projects. Instructional time of the course will benefit and appeal to those students in pursuing a career in the metals processing areas, those who are considering a future education in mechanical engineering or drafting technology areas, and those who would like to explore this area for personal interest or career guidance reasons.

Micro Electronics 120

Students taking this course will recognize digital electronics as an integral part of computers and calculators and part of most other electronic equipment in use today. A knowledge of electronics is developed by wiring and testing circuits as well as computer simulation of circuits. This course should be of interest to students with a career objective in an electrical occupational area, those planning to continue their education at the technical or engineering level, as well as those with a personal interest in electronics or computers

Mill and Cabinet Work 120

This is a finished woodworking course in which students will develop the necessary skills, knowledge, and work habits required constructing cabinets and other miscellaneous millwork typically found in residential dwellings. Students, through a series of projects, will be involved with all aspects of mill work including planning, estimating, operation of woodworking equipment and machines and finish operations. This course will be of benefit to those students interested in entering the construction or woodworking occupations as well as those with a general interest in woodworking.

Nutrition and Healthy Living 120

Through research, the science of nutrition continues to expand. It is important to understand information provided, and to make smart healthy decisions. This course is designed to make students aware of preventative strategies to contribute to overall wellness, make healthy food choices and maintain a balance between eating habits and physical activity. Current issues related to chronic diseases, lifestyles, and food technologies will also be discussed. Students will be encouraged to use reliable information to examine their eating habits and lifestyle choices.

Residential Finish and Insulation 120

This course examines the work required to finish a family dwelling once it is framed-in. Topics, which are covered, include: insulation, wall cladding, doors, windows, cornice trim and roof covering. Students will study these topics both in theory and through project work. This course should be of interest and value to those students interested in pursuing a career related to the residential construction industry.

Robotics and Automated Technology 120

This course explores the fields of robotic and automation. Through the use of experimentation labs, students will learn and apply various automation concepts such as logic programming and the integration of technologies including pneumatic, electrical, mechanical and computer. Students will develop valuable technology skills in the areas of design, technical writing and communication, and systematic approaches to problem solving and troubleshooting. Student in this course will construct simulations and models of robot and automation processes using industrial types of equipment and computer simulation software. The knowledge and skills developed in this course would be an asset to any student who will at some point become involved in processing or manufacturing whether at the entrepreneurial, administration, engineer technologist or technician level.

Distance Education

Students are now able to take advantage of new “anytime, anywhere” learning opportunities. The following on-line **distance education** courses will be available upon request when possible. The number of requests for on-line courses will have a significant impact on when it may be scheduled.

Canadian History 120	Information Technology 120	Physical Geography 110
Political Science 120	Biology 111	Economics 120
Chemistry 111	Canadian Geography 120	Technical Support 110
ECommerce 110	Information Technology 110	

This list is continually growing and students should check with Mr. Brown regarding new additions.