

Blessed Sacrament School

Senior High Course Selection Planner



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BSS COURSE SELECTION PLANNER

The purpose of this guide is to help students and parents with the information necessary to make thoughtful course selections. An individual's course selection should be based on their interests and desires; as high school presents a unique opportunity to discover new interests and build new skill sets. It is also a time where students need to think about their end goals, as these final years of schooling prepare them for what lay ahead, whether that be a post-secondary institute or the work force.

When planning the student schedule, it is recommended for Grade 10 and Grade 11 students to aim on taking 40 credits during the year. This will allow less stress on the Grade 12 year to meet the minimum requirements. While students can take less than 40 credits, they will be required to be maintaining a minimum of 70% in their cores before they are able to take spares (see Flex option on page 19).

REQUIREMENTS FOR GRADUATION

There are 3 paths to High School Completion:

- 1) Diploma (100 Credits)
- 2) Certificate of Achievement (80 Credits) - Students enrolled in Knowledge and Employability courses can satisfy requirements for a Certificate of High School Achievement. Parents and students should discuss the best route to meeting requirements with a high school counsellor.
- 3) Certificate of Completion (no credits) - To qualify for the Certificate of School Completion, students must meet the following criteria:
 - a) Student has worked on the goals and objectives in their individualized program plan/instructional support plan.
 - b) Student has attended school for at least 12 years by the end of the current school year.
 - c) Student is 17 years of age by March 1st of the current school year.
 - d) Nomination is submitted during the student's last year of high school.
 - e) Student is registered with one of the following special education codes (41, 43, 44 or 52) at the time of school completion. Registrations with other special education codes can also be considered and will be reviewed by the Learner Services Branch.

MYPASS

myPass is an Alberta Education secure self-service website for Alberta students. With an Alberta Student Number, students can visit mypass.alberta.ca to request access to:

- View and print diploma exam results
- Order high school transcripts
- View progress towards a credential (diploma or certificate)
- View student personal information
- View and print a Detailed Academic Report (DAR)
- Order additional copies of an awarded credential in English or French
- Request diploma exam re-scores
- View and print letters of confirmation of name, age and enrollment
- Provide third-party (including parents and guardians) access to student's myPass account

GRADUATION REQUIREMENTS: DIPLOMA

ALBERTA HIGH SCHOOL DIPLOMA: GRADUATION REQUIREMENTS	
The requirements indicated in this chart are the <u>minimum</u> requirements for a student to attain an Alberta High School Diploma. The requirements for entry into post-secondary institutions and workplaces may require additional and/or specific courses.	
100 CREDITS including the following:	
ENGLISH LANGUAGE ARTS – 30 LEVEL (English Language Arts 30-1 or 30-2)	
SOCIAL STUDIES – 30 LEVEL (Social Studies 30-1 or 30-2)	
MATHEMATICS – 20 LEVEL (Mathematics 20-1, Mathematics 20-2 or Mathematics 20-3)	
SCIENCE – 20 LEVEL (Science 20, Science 24, Biology 20, Chemistry 20 or Physics 20)	
PHYSICAL EDUCATION 10	
CAREER AND LIFE MANAGEMENT	
RELIGION 35 (required at Catholic Schools)	
10 CREDITS IN ANY COMBINATION FROM:	
<ul style="list-style-type: none"> • Career and Technology Studies (CTS) courses • Fine Arts courses • Second Languages courses • Physical Education 20 and/or 30 • Knowledge and Employability courses • Registered Apprenticeship Program courses • Locally developed/acquired and authorized courses in CTS, fine arts, second languages or Knowledge and Employability occupational courses 	
10 CREDITS IN ANY 30-LEVEL COURSE (<u>IN ADDITION TO A 30-LEVEL ENGLISH LANGUAGE ARTS</u> <u>AND A 30-LEVEL SOCIAL STUDIES COURSE AS SPECIFIED ABOVE</u>)	
These courses may include: <ul style="list-style-type: none"> • 30-level locally developed/acquired and authorized courses • Advanced level (3000 series) in Career and Technology Studies courses • 30-level Work Experience courses • 30-level Knowledge and Employability courses • 30-level Registered Apprenticeship Program courses • 30-level Green Certificate Specialization courses • Special Projects 30 	

GRADUATION REQUIREMENT: CERTIFICATE

CERTIFICATE OF HIGH SCHOOL ACHIEVEMENT REQUIREMENTS	
The requirements indicated in this chart are the <u>minimum</u> requirements for a student to attain a Certificate of High School Achievement. The requirements for entry into post-secondary institutions and workplaces may require additional and/or specific courses.	
80 CREDITS including the following:	
ENGLISH LANGUAGE ARTS 20-2 OR 30-4	
MATHEMATICS 10-3 OR 20-4	
SCIENCE 14 OR 20-4	
SOCIAL STUDIES 10-2 OR 20-4	
PHYSICAL EDUCATION 10	
CAREER AND LIFE MANAGEMENT	
RELIGION 35 (required at Catholic Schools)	
5 CREDITS IN <ul style="list-style-type: none"> • 30-level Knowledge and Employability occupational course, or • 30-level Career and Technology Studies (CTS) course, or • 30-level locally developed/acquired and authorized course with an occupational focus <p style="text-align: center;">AND</p> 5 CREDITS IN <ul style="list-style-type: none"> • 30-level Knowledge and Employability Workplace Practicum course, or • 30-level Work Experience course, or • 30-level Green Certificate course, or • Special Projects 30 	
OR	
5 CREDITS IN <ul style="list-style-type: none"> • 30-level Registered Apprenticeship Program (RAP) course <input type="checkbox"/> 	

KNOWLEDGE AND EMPLOYABILITY

The Knowledge and Employability (-4) courses are offered to students who have been identified as suitable candidates. Knowledge and Employability courses are part of a program path that leads to a High School Certificate of Achievement. This document is recognized by Alberta Education as an alternative to the regular high school grade 12 diploma. The High School Certificate of Achievement counts as high school completion. Students who have completed the requirements for a Certificate of Achievement may transition and complete courses to earn their High School Diploma. This would include further course work and upgrading. Enrollment in Knowledge and Employability courses **must** include consultation with teachers, guidance counsellors and have informed consent of parents/guardians. Note: BSS does not offer individual courses of K&E in the high school but rather the students will have a modified program within the -2 course. (ie. English 30-4 will experience a modified curriculum in a class of English 30-2)

ENGLISH -4

English 10-4, English 20-4, and/or English 30-4 (5 credits each level)

A variety of approaches and resources are used to support differentiated instruction and student achievement of course outcomes. The content may be taught through literary genres such as novels, short stories, poetry and musical lyrics or through a thematic approach that incorporates a variety of genres within the unit. The focus of these courses is to build on students reading, writing and critical thinking skills. These courses offer many connections to the workforce including how to write a cover letter and resume as well as how to apply for a job.

SOCIAL -4

Social Studies 10-4 and/or Social Studies 20-4 (5 credits each level)

A variety of approaches and resources are used to support differentiated instruction and student achievement of course outcomes. The content is taught by providing activities, summative and formative assessments and strategies for scaffolding learning and instruction.

MATHEMATICS -4

Mathematics 10-4 and/or Math 20-4 (5 credits each level)

Students will have an opportunity to explore the concepts of estimation and problem solving. They will have an opportunity to work with the concept of money, decimals, percentages, fractions and ratios and proportion in everyday home, workplace and community contexts, using technology as appropriate. Students will also develop and be able to demonstrate number sense to describe quantities, represent numbers in multiple ways and apply appropriate arithmetic operations.

SCIENCE -4

Science 10-4 and/or Science 20-4 (5 credits each level)

Students enrolled in a Knowledge and Employability program will complete a Science 20-4 (or the Science 14 and/or Science 24) class to meet these requirements. The courses focus on developing and applying essential science skills, knowledge and attitudes needed for everyday living at home, in the workplace and in the community. Science competencies are developed through the investigation of science-related problems, questions and issues and through everyday applications that help students understand and appreciate the role of science in society.

RELIGIOUS STUDIES

In Catholic schools, students participate in a religious education program that is authorized by the Bishops of Alberta. Catholic high schools offer Religious Studies – Roman Catholic (2019) 15–25–35. The religious education programs were written by local Catholic religious education teachers and Church leaders in response to the needs of students in Alberta Catholic high schools today. *Go and Make Disciples: Living the Great Commission* (2019) is approved by the Bishops of Alberta and is in compliance with the teachings of the *Catechism of the Catholic Church*. The curriculum strives to engage students in the search for meaning through four major themes: Christ and Culture; Jesus Christ: God’s Gift of Salvation; In Search of the Good; and the relationship of the Catholic Church with the religions of the world. The curriculum further addresses the study of specific topics through four “windows of authenticity”: truth, goodness, the spiritual, and religious community. Religion 35 is a requirement to walk the graduation stage in Catholic schools of East Central Alberta Catholic Schools.

RELIGION 15 (3 credits)

The principal aim of **Christ and Culture** is to assist students, with the help of the Gospel, to participate as Christians in the shaping of our culture. The program explores major cultural issues from a Christological perspective. Beginning with their own life experiences, students acquire a deeper and more systematic knowledge of themselves, Christ’s message and the Church. Connections between the Church and contemporary culture are explored in terms of what it means to be a responsible adolescent developing as a member of a Catholic, Christian community while living within the context of a broader culture.

RELIGION 25 (3 credits)

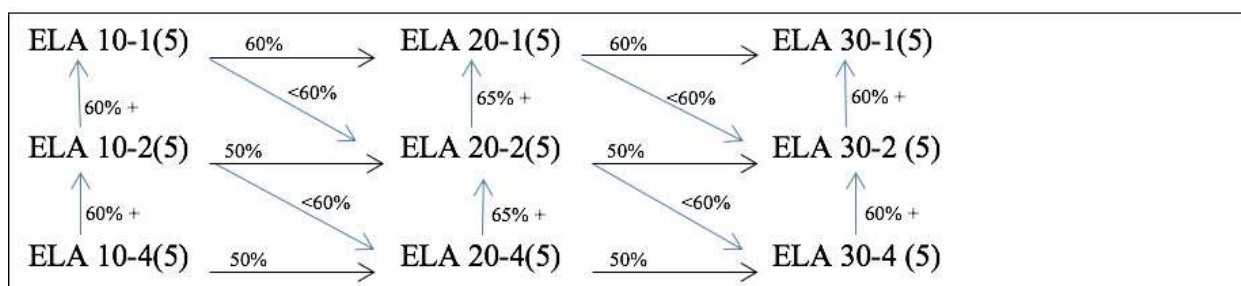
Jesus Christ: God’s Gift of Salvation invites students to deepen their relationship with Jesus through a prayerful study of Scripture. Students will explore the Jewish historical, religious and cultural world into which the Messiah was born and the Old Testament covenant fulfilled. Using the Gospels as primary sources, the course explores Jesus’ birth, early life and ministry; his preaching of the Kingdom of God; his special teachings, particularly the parables; and his miracles. It then focuses on the scriptural accounts of his death and Resurrection, and the Ascension, and their central significance for the Church’s understanding of Jesus as the Christ, the Son of God.

RELIGION 35 (5 credits)

In Search of the Good challenges students to understand themselves as moral persons called to discipleship by living the way of Christ. Through an examination of ethical theories, the revelation of Sacred Scripture, and the lived experience and teaching of the Catholic Church, the course invites students to mature as active participants in their faith. At the heart of catechesis is the human search for happiness as the completion of the superabundant love of God. The tension which exists between the revelation of God’s love and the explorations of human reason are worked out in the areas of freedom, justice, human relations, ecology, reconciliation, life in community and political life.

CORE COURSES

ENGLISH LANGUAGE ARTS



English program provides students with opportunities to develop a solid foundation in their study of English language and literature. Not only does the program encourage enjoyment and appreciation of language and literature, it affords students opportunities to acquire the tools, techniques, and strategies to enable them to convey their understanding of what they hear, read, and see, as well as express their ideas, thoughts, and feelings clearly and coherently.

English 30-1 and 30-2 both have diploma exams. There is no diploma exam for English 30-4 which is designed for the requirements of the Graduation Certificate.

ENGLISH 10-1 (5 credits)

This course serves as the entry point prerequisite for English 20-1 and English 30-1, and ultimately acceptance to all university-level post-secondary institutions. This is a demanding course and is intended for students who have found success in past English courses.

Prerequisite: min 50% in English 9 (recommended 60% or higher)

ENGLISH 10-2 (5 credits)

This course serves as the entry point prerequisite for English 20-2 and English 30-2, which is the culmination of an English sequence that helps students build functional language arts skills and an appreciation for all forms of literature. Students will develop their writing, comprehension, oral and presentation skills

Prerequisite: recommended for students with 60% or lower in English 9

ENGLISH 20-1 (5 credits)

Students will further develop their language and communication skills with a focus on literary analysis and critical thought. This is a demanding program and is intended for students who have demonstrated success and strength in previous Language Arts programs.

Prerequisite: min 50% in English 10-1 (recommended 60% or higher)

ENGLISH 20-2 (5 credits)

This course is the continuation of the -2 English Sequence. Students will further develop fundamental language and communication skills to continue to prepare students for the workforce and/or appropriate programs at technical institutions and/or colleges.

Prerequisite: min 50% in English 10-2 or below 50% in English 10-1

ENGLISH 30-1 (5 credits)

This is a demanding program designed for students who have demonstrated strengths in the use of the English language and in their understanding of text. Successful completion of English Language Arts 30-1 is a requirement for entrance to most university and some other postsecondary programs.

A variety of approaches and resources are used in achieving the goals of each course. The content may be taught through literary genres and theme; these include: novels, short stories, essays, poetry and drama—Shakespearean and/or modern. It is strongly recommended that students have completed English 20-1 before transitioning from the -2 course sequence.

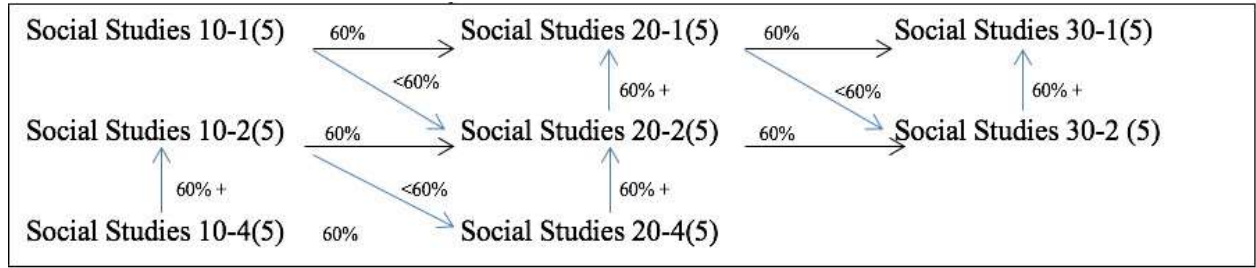
Prerequisite: min 50% in English 20-1 (recommended 60% or higher)

ENGLISH 30- 2 (5 credits)

English 30-2 is a rigorous and challenging course designed to create strong reading, writing, and representing foundations that builds confidence in all forms of communication. English 30-2 will explore compositions that question our role as members in an ever-changing society. Through this exploration, students will be encouraged to reflect on their own experiences, thoughts, feelings and opinions while learning how to be respectful of others' views. Successful completion of this program provides access to many certificate/diploma programs in colleges and technical institutions.

Prerequisite: min 50% in English 20-2 or below 50% in English 20-1

SOCIAL STUDIES



There are diploma exams for Social 30-1 and 30-2.

SOCIAL STUDIES 10-1 (5 credits)

- *Perspectives on Globalization*

Students will explore multiple perspectives on the origins of globalization and the local, national and international impacts of globalization on lands, cultures economies, human rights and quality of life. Controversial issues are discussed and investigated to prepare students to participate responsibly in a democratic and pluralistic society. Students will examine the relationships among globalization, citizenship and identity to enhance skills for citizenship in a globalizing world. The infusion of multiple perspectives will allow students to examine the effects of globalization on peoples in Canada and throughout the world, including the impact on Aboriginal and Francophone communities.

Prerequisite: min 50% in Soc St 9 (recommended 60% or higher)

SOCIAL STUDIES 10-2 (5 credits)

- *Living in a Globalizing World*

Students will explore historical aspects of globalization as well as the effects of globalization on lands, cultures, human rights and quality of life. Students will explore the relationships among globalization, citizenship and identity. The infusion of multiple perspectives will allow students to examine the effects of globalization on peoples in Canada and other locations, including the impact on Aboriginal and Francophone communities. Students will develop skills to respond to issues emerging in an increasingly globalized world.

Prerequisite: recommended for students who achieved 60% or less in Soc St 9

SOCIAL STUDIES 20-1 (5 credits)

- *Perspectives on Nationalism*

Students will explore the complexities of nationalism in Canada and in international contexts. They will study the origins of nationalism and the influence of nationalism on regional, international and global relations. Controversial issues are discussed and investigated to prepare students to participate responsibly in a democratic and pluralistic society. Examining multiple perspectives will allow students to develop understanding of nationalism and how nationalism contributes to the citizenship and identities of peoples in Canada.

Prerequisite: min 50% in Soc St 10-1 (recommended 60% or higher)

SOCIAL STUDIES 20-2 (5 credits)

- *Understandings of Nationalism*

Students will examine historical and contemporary understandings of nationalism in Canada and the world. They will explore origins of nationalism as well as the impacts of nationalism on individuals and communities in Canada and other locations. Examples of nationalism, ultranationalism, supernationalism and internationalism will be examined from multiple perspectives. Students will develop personal and civic responses to issues related to nationalism.

Prerequisite: min 50% in Soc St 10-2 or below 50% in Soc St 10-1

SOCIAL STUDIES 30-1 (5 credits)

- *Perspectives on Ideology*

Students will explore the origins and complexities of ideologies and examine multiple perspectives regarding the principles of classical and modern liberalism. Controversial issues are discussed and investigated to prepare students to participate responsibly in a democratic and pluralistic society. Students will analyze various political and economic systems and develop understandings of the roles and responsibilities associated with citizenship.

Prerequisite: min 50% in Soc St 20-1 (recommended 60% or higher)

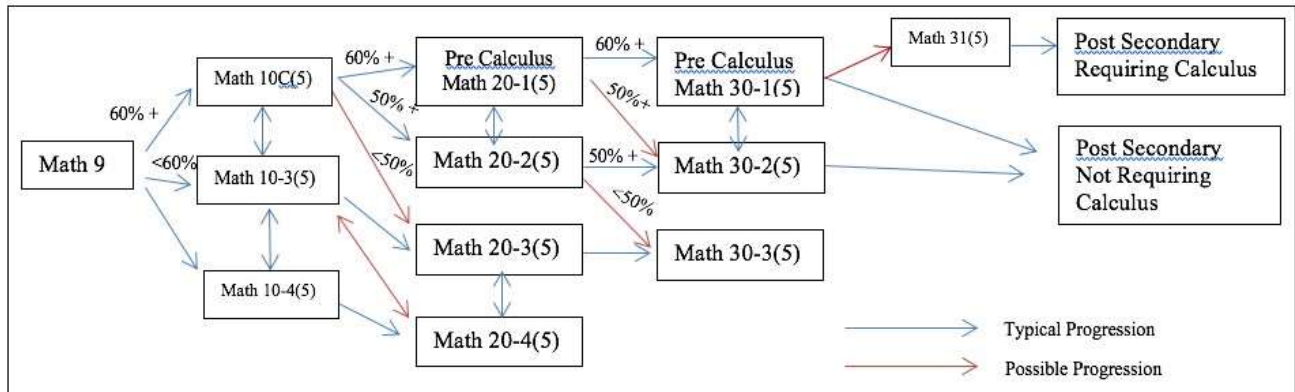
SOCIAL STUDIES 30-2 (5 credits)

- *Understanding of Ideologies*

Students will examine the origin, values and components of competing ideologies. They will examine multiple perspectives regarding the relationship among individualism, liberalism, common good and collectivism. Students will examine the various political and economic systems in today's world.

Prerequisite: min 50% in Soc 20-2 or below 50% in Soc 20-1

MATH



There are diploma exams for Mathematics 30-1 and 30-2. There is no diploma for Math 30-3 and Math 31.

MATHEMATICS -1 (Mathematics 20-1 and/or Mathematics 30-1)

For a student who wants to study mathematics or sciences at university, college, or technical institute and go on to a related career. It is for students who plan to enter post-secondary programs such as engineering, mathematics, sciences, some business studies, or other programs that require advanced math skills such as CALCULUS.

MATHEMATICS -2 (Mathematics 20-2 and/or Mathematics 30-2)

For a student who wants to attend a university, college, or technical institute after high school, but does not need calculus skills. It is for students wishing to study at the post-secondary level in diverse fields, including arts programs, some engineering technologies, medical technologies, and some apprenticeship programs.

MATHEMATICS -3 (Mathematics 10-3, Mathematics 20-3 and/or Mathematics 30-3)

For a student who is interested in learning the mathematics needed to enter most trades or if a student wants to enter the workforce after high school. It is for students who want to apprentice to a trade or enter the workforce directly after high school. It is designed to meet the entrance requirements for apprentices in most trades programs.

MATHEMATICS 10C (5 credits)

Students should have met expectations of and/or a mark of 50% (emerging and above) or higher in Math 9. The mathematics outcomes are organized into: linear functions, linear characteristics, factoring, measurements, trigonometry, and numeracy. Math 10C is the prerequisite course for all Math -1 and -2 streams.

Prerequisite: min 50% in Math 9 (recommended 60% or higher)

MATHEMATICS 10-3 (5 credits)

This sequence is designed for students whose needs, interests and abilities focus on basic mathematical understanding. The emphasis is on the acquisition of practical life skills, and students are provided with opportunities to improve their knowledge of working with mathematics.

Prerequisite: recommended for students who achieved less than 50% in Math 9

MATHEMATICS 20-1 (5 credits)

The mathematics outcomes are organized into: radicals and factoring, quadratic functions and equations, transformations, rational functions and equations, linear and quadratic systems, trigonometry, and sequences and series.

Prerequisite: min 50% in Math 10C (recommended 60% or higher)

MATHEMATICS 20-2 (5 credits)

The mathematics outcomes are organized into: radicals, quadratic functions, reasoning, trigonometry, and statistics.

Prerequisite: min 50% in Math 10C

MATHEMATICS 20-3 (5 credits)

Successful completion of this course fulfills the minimum requirement in Math for graduation.

Students in Math 20-3 apply mathematics in the contexts of: problem solving, numeracy, geometry, measurement, banking, and personal budgeting.

Prerequisite: min 50% in Math 10-3 or less than 50% in Math 10C

MATHEMATICS 30-1 (5 credits)

The mathematics outcomes are organized into: rationales and polynomials, algebraic and graphical transformations, exponential and logarithmic functions, sinusoidal functions, trigonometric identities, and permutations and combinations.

Prerequisite: min 50% in Math 20-1 (recommended 60% or higher)

MATHEMATICS 30-2 (5 credits)

The mathematics outcomes are organized into: logarithmic and exponential functions, rational functions, polynomial functions, sinusoidal patterns, logical reasoning, permutations and combinations, and probability.

Prerequisite: min 50% in Math 20-2 (recommended 60% or higher)

MATHEMATICS 30-3 (5 credits)

Students in Math 30-3 apply mathematics in the contexts of: problem solving, measurement, geometry, personal and small business finance, algebraic reasoning, statistical reasoning, and probability.

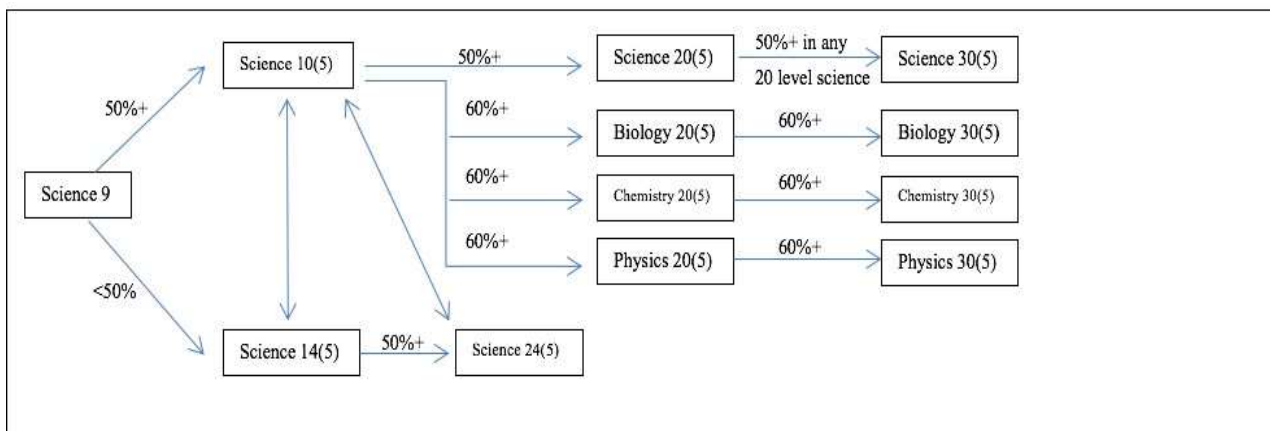
Prerequisite: min 50% in Math 20-3

MATHEMATICS 31 Calculus (5 credits)

The course acts as a link between the outcomes of the Math 30-1 program and the requirements of post-secondary programs. The course builds on existing skills in working with functions and expands this knowledge to include the study of limits in preparation for the study of differential and integral calculus. The methods of calculus are applied to problems encountered in the area of science, engineering, business and other fields of endeavor. This course is designed for students entering post-secondary programs with a major in the mathematical and physical sciences, engineering, business and students entering general studies with a science/business focus. Taking Mathematics 31 will make first year calculus in university one of your easiest courses instead of your hardest course.

Prerequisite: min 50% in Math 30-1 (recommended 60% or higher)

SCIENCE



There are diploma exams for Science 30, Chemistry 30, Physics 30 and Biology 30.

SCIENCE 10 (5 credits)

This academic course provides students with a unified view of the biological, chemical, physical and earth sciences and an awareness of the connections among them. Science 10 is the prerequisite for all 20 level sciences (except Science 24).

Prerequisite: min 50% in Science 9 (recommended 60% or higher)

SCIENCE 14 (5 credits)

Students enrolled in Science 14 will actively investigate the properties of a variety of samples of matter, including mixtures and solutions, elements, and compounds encountered in everyday life. Students will gain an understanding that the design of energy transfer technologies also takes into consideration the need for safety and for efficiency as a means of reducing reliance upon nonrenewable energy resources. Students will investigate life processes at the organism and system level, and extrapolate these processes to the cellular level. Finally, students will gain an understanding that energy from the sun sustains living systems and maintains equilibrium in the biosphere.

Prerequisite: recommended for students who achieved less than 50% in Science 9

SCIENCE 20 (5 credits)

The Science 20/30 program is designed for the student who is interested in science but does not require science courses for post-secondary education.

This academic course provides students with a unified view of the biological, chemical, physical and earth sciences and an awareness of the connections among them. Topics covered are chemical change, changes in motion, the changing earth and changes in living systems.

Prerequisite: min 50% in Science 10

SCIENCE 24 (5 credits)

Students enrolled in Science 24 will investigate properties of matter. They will investigate the classification of elements and the properties of mixtures and solutions encountered at home or in the workplace. Students will investigate a variety of important energy conversions occurring in biological, chemical, physical and technological systems. Students will learn about the body's natural defense systems and about medical techniques developed to minimize the risk of exposure to environmental toxins and pathogens.

Prerequisite: min 50% in Science 14 or less than 50% in Science 10

BIOLOGY 20 (5 credits)

This academic program explores interactions of living systems with one another and with their environment. In Biology 20, the underlying theme is energy and matter exchange; which will be explored by looking at ecosystems and population change, energy & matter exchange in the biosphere, photosynthesis & cellular respiration and the human system.

Prerequisite: min 50% in Science 10 (recommended 60% or higher)

CHEMISTRY 20 (5 credits)

This academic program will give students an introduction to advanced chemistry. Students will learn how molecules interact with one another, investigate changes in matter, and begin to use practical lab skills to supplement their theoretical knowledge. A solid background in math is recommended for the analytical skills they will use in this course. The four topics explored are; chemical bonding, gases as a form of matter, solutions, acids & bases and quantitative relationships.

Prerequisite: min 50% in Science 10 (recommended 60% or higher)

PHYSICS 20 (5 credits)

This academic program introduces students to the study of force and energy changes that occur around us every day. Physics is a very mathematical course. It is recommended that students have an interest in math and a strong background in algebra. The four topics covered are: kinematics, dynamics, circular motion, work and energy and oscillatory motion and mechanical waves.

Prerequisite: min 50% in Science 10 (recommended 60% or higher; also recommended 60% or higher in Math 10C for success)

SCIENCE 30 (5 credits)

Students must have completed ONE of Science 20, Biology 20, Chemistry 20 or Physics 20 with 50%. To experience success in this course, it is recommended that you have 60% in a grade 11 science course and a strong work ethic. It is also recommended that more than 1 grade 11 science course has been attempted.

This academic course provides students with a unified view of the biological, chemical, physical and earth sciences and an awareness of the connections among them. The four topics covered are: living systems respond to their environment, chemistry in the environment, electromagnetic energy, energy and the environment.

Prerequisite: min 50% in one of Science 20, Biology 20, Chemistry 20, or Physics 20

BIOLOGY 30 (5 credits)

This academic program explores various human systems and principles of heredity. In Biology 30, the emphasis is on interactions between human systems. Topics include; nervous and endocrine systems, reproductive and development, cell division, genetics and molecular biology and population and community dynamics.

Prerequisite: min 50% in Biology 20 (recommended 60% or higher)

CHEMISTRY 30 (5 credits)

This academic program is designed to study matter, energy and its changes. Students, through the study of Chemistry 30, are given an opportunity to explore and understand the natural world and to become aware of the profound influence of chemistry on their lives. Topics include organic, thermochemical and electrochemical changes as well as, equilibrium, acids and bases in chemical changes.

Prerequisite: min 50% in Chemistry 20 (recommended 60% or higher)

PHYSICS 30 (5 credits)

To experience success in this course, it is recommended that you have attempted a 20 level Math course. This academic program is designed to study matter and energy and their interactions. Physics 30 helps students understand the physics principles behind the natural events they experience and the technology they use in their daily lives. Topics include; momentum and impulse, forces and fields, electromagnetic radiation and atomic physics.

Prerequisite: min 50% in Physics 20 (recommended 60% or higher)

NON-CORE COURSES

CAREER AND LIFE MANAGEMENT (3 credits) (Graduation Requirement)

The aim of senior high school Career and Life Management (CALM) is to enable students to make well-informed, considered decisions and choices in all aspects of their lives and to develop behaviours and attitudes that contribute to the well-being and respect of self and others, now and in the future. CALM is the core course for health literacy at the senior high school level in Alberta.

JOB SAFETY 10 (3-4 credits)

Job Safety is a combination of CTS Modules that help prepare the students for the workplace. The modules include: Job Preparations (CTR1010), Agriculture Safety (AGR3000), Workplace Safety Systems (HCS3000) and Workplace Safety Practices (HCS3010). These modules are requirements for Work Experience, Registered Apprenticeship program, and Green Certificate, but also contributes to the 3000 level CTS courses required for graduation.

PHYSICAL EDUCATION 10 (5 credits) (Graduation Requirement)

The following learning outcomes are selected from the Grade 10 Physical Education Program of Studies:

- Apply and refine locomotor, nonlocomotor and manipulative skills and concepts- effort, space, and relationships- to perform and participate in a variety of activities to improve personal performance
- Develop and apply practices that contribute to teamwork
- Select and apply rules, routines and procedures of safety in a variety of activities
- Obtain CPR knowledge through the ACT Foundation

PHYSICAL EDUCATION 20 (3 credits)

Physical Education has an off campus component for students to experience different physical activity venues; therefor there is a fee assessed for this course.

PHYSICAL EDUCATION 30 (5 credits)

Physical Education explores community recreational programming. It has an off campus component for students to experience different physical activity venues; therefor there is a fee assessed for this course.

All PE 30 students are required to complete 10 hours of leadership activities. This can include the organization of intramural, scorekeeping team events, and officiating track meets. All activities must be school related.

FITNESS (3-5 credits)

Fitness explore CTS modules in the strand of Recreation Leadership. This option allows students to develop skills useful for coaching, fitness leadership, sport performance, athletic therapy and leading recreational activities.

FRENCH 10-3Y (5 credits)

Students will engage in various language activities, based on the context, the communicative task and different information and communication technologies. Using the four components of second language learning (reading, writing, listening and speaking), students will also broaden their knowledge of the French language and French-Canadian culture.

At BSS, this is offered in junior high such that grade 10 students are able to fit French 20-3y and French 30-3y in their schedule.

FRENCH 20-3Y (5 credits)

French 20 is a continuation of the FSL program. Students will be required to understand and produce a variety of oral and written texts, and engage in oral discussions. Units of study include senses & feelings, fads & fashions, and consumerism. Students will also study France and French culture.

Prerequisite: French 10-3y

FRENCH 30-9Y/3Y (5 credits)

French 30 will provide students with a higher level of language complexity and develop their communicative skills in French. Units of study include world of work, travel & tourism, and the role of the media. Students will also study various Francophone countries and their cultures. Completion of French 30 fulfills the second language requirement of various university faculties and it allows students to further their study of the French language and literature at the university level.

Prerequisite: French 20-3y

FOODS 10 (3-5 credits)

(1 credit per module)

In a constantly changing society, our food needs will be met in increasingly varied ways. The CTS foods strand will help students develop knowledge of the nature of food and nutrition, as well as skill in the preparation of a variety of foods. The goal is to create a confident home cook. The modules may include the following: Food Basics, Contemporary Baking, Meal Planning, Snacks and Appetizers, Fast & Convenience Foods, Canadian Heritage Foods, Farm to Table, and Food & Nutrition Basics.

ART (3 credits)

Students will create art by using a variety of media. They will develop their artistic, technical and critical skills as they explore visual expression; and they will discover various ways to share their thoughts and ideas with others. At BSS, Art 10 and 20 are taught at the same time. The next level of art requires the previous level as a prerequisite.

ADLC: FORENSIC STUDIES 25 (3 credits)

Topics: Evidence and Fingerprint Analysis, Trace Evidence, Body Fluid Evidence, Forensic Detection of Impaired Driving, Polygraphing and Document Analysis, and Forensic Genetics..

Pre or co-requisite: Science 10 or Science 14

ADLC: FORENSIC STUDIES 35 (3 credits)

A continuation of the topics covered in Forensic Studies 25. There is a focus on the specific scientific processes behind the topics and applying the knowledge to real and fictional cases.

Topics: Forensic Toxicology, Arson and Explosives, Forensic Ballistics, Criminal Profiling, Forensic Anthropology, and Forensic Entomology.

Prerequisite: Forensics 25

ADLC: GENERAL PSYCHOLOGY 20 (3 credits)

This course provides students with a general background in psychology. Topics: A Look into the Past, The Principles of Learning, Thinking and Memory, Roles and Group Influences, Emotions and Criminal Behaviour, Neurosis, Psychosis, and Mastering Your Life.

Prerequisite: None

ADLC: PERSONAL PSYCHOLOGY 20 (3 credits)

The course gives students an understanding of the history of psychology and explores personality, human development, intelligence, biological influences and behavior, and how both heredity and environment affect the human being. Topics: Introduction and General Development, Intelligence and Personality, The Body and Behaviour, and The Human Senses.

Prerequisite: None

CAREER AND TECHNOLOGY STUDIES (CTS) (3-5 credits)

Career and Technology Studies (CTS) is designed for high school students so they can explore their interests and career options. The CTS program is designed to develop skills that senior high school students can apply in their daily lives when preparing for entry into the workplace or for further learning opportunities. Career and technology studies (CTS) is a provincially authorized curriculum for Alberta secondary schools designed on a pathways model to offer flexible programming using 1-credit courses. The course structure of CTS enables schools to design unique programs that meet the needs of students and draw on community resources.

During the CTS option, modules from the following strands are offered: Information Processing; Media, Design and Communication Art; Design Studies; Communication Technology; Financial Management; Wildlife; and Management and Marketing. There are other strands of CTS that are offered through other courses such as Mechanics, Foods, Industrial Arts, Fitness, and Job Safety.

INDUSTRIAL ARTS (3-5 credits)

Industrial Arts involves the fabrication of objects in wood, plastic and metal using a variety of hand, power, or machine tools. It aims at developing the skills and familiarity with tools, machines and design software. Industrial Arts incorporates CTS strands from Design, Manufacturing, Construction, Fabrication, Electro-Technologies and Mechanics. It is designed to develop knowledge and skills that senior high school students can apply in their daily lives when preparing for entry into the workplace or for further learning opportunities.

DUAL CREDIT (3-5 credits)

Dual Credit provides opportunities for students to personalize their high school experience and build on or discover their career passions and interests. Students can earn both high school credits and credits that count toward a post-secondary certificate, diploma, or degree, including a journeyman certificate. Blessed Sacrament School has coordinated with Lakeland College to offer courses in Introduction to Learning Through Play, Health, Safety & Nutrition, Heavy Oil & Gas, and American Sign Language.

FLEX (no credits)

This option is designed for high school students to get extra help in their core subjects of English, Mathematics, Social Studies and Sciences. While the Flex option is open to all students, it will be a requirement for those students achieving less than 70% in any of their cores prior to being able to take a spare. If a student has a spare and one of their core marks drops below 70%, they will be required to go to Flex option until the mark is maintained above 70% for two consecutive Fridays.

OFF-CAMPUS PROGRAMS

GREEN CERTIFICATE PROGRAM (3-10 credits)

The Green Certificate Program for senior high school allows students to participate in an agriculture-related apprenticeship, earn credits, and complete the Technician Level of a Green Certificate in any one of nine specializations (Beekeeping, Cow-Calf, Dairy, Equine, Feedlot, Field Crop, Irrigated Crop, Sheep, Swine). Alberta Agriculture, Food and Rural Development, and Alberta Learning jointly administer the Green Certificate Program.

Prerequisite: AGR3000

REGISTERED APPRENTICESHIP PROGRAM (5-30 credits)

RAP is a program in which students spend part of their time in school and part of their time in industries involved in registered apprenticeships which are included as one of Alberta's 50 designated trades. Students must be on track to graduate prior to being accepted into the program. Students enrolled in the RAP program are typically, but not necessarily, paid by their employers. Placements for RAP positions are generally arranged by Careers: Next Generation; however, students may arrange their own placement. This placement must be with a ticketed journeyman.

Prerequisite: HCS3000

WORK EXPERIENCE 15, 25, 35 (3-15 credits)

This sequence of courses is available to all senior high school students. Students work with an employer to complete individually defined learning experiences. One credit is earned for each 25 hours of experience. Students are required to complete the Career Transitions HCS3000 Preparation 1-credit course as a prerequisite or prior to being enrolled in the work experience course. Students are allowed to accumulate a maximum of 30 credits, 15 of which can be used for graduation requirements.

Prerequisite: HCS3000

MECHANICS (3-5 credits)

Students learn different aspects of maintaining and repairing a vehicle by qualified mechanic. This course is offered in the evening once a week at a local dealership (Norris Ford). The students will receive instruction and hands-on experience in working on different aspects of a vehicle.

ALBERTA RUTHERFORD SCHOLARSHIP REQUIREMENTS

Grade 10	Grade 11	Grade 12
<ul style="list-style-type: none"> Average of 75.0% to 79.9% in five courses - \$300* Average of 80% or higher in five courses - \$400 	<ul style="list-style-type: none"> Average of 75.0% to 79.9% in five courses - \$500* Average of 80% or higher in five courses - \$800 	<ul style="list-style-type: none"> Average of 75.0% to 79.9% in five courses - \$700* Average of 80% or higher in five courses - \$1,300
<p style="text-align: center;">Average is calculated from 5 designated courses *Option/Career and Technology Studies (CTS) may also be considered (See below).</p>		
One of: <ul style="list-style-type: none"> English 10-1, 10-2 Français 10-1 or 10-2 	One of: <ul style="list-style-type: none"> English 20-1, 20-2 Français 20-1 or 20-2 	One of: <ul style="list-style-type: none"> English 30-1, 30-2 Français 30-1 or 30-2
At least two of: <ul style="list-style-type: none"> Mathematics 10C Science 10 Social Studies 10-1 or 10-2 A language other than one used above at the Grade 10 level. 	At least two of: <ul style="list-style-type: none"> Mathematics 20-1, or 20-2 Chemistry 20 Physics 20 Science 20 Biology 20 Social Studies 20-1 or 20-2 A language other than one used above at the Grade 11 level. 	At least two of: <ul style="list-style-type: none"> Mathematics 30-1, 30-2 or 31 Science 30 Social Studies 30-1 or 30-2 Biology 30 Chemistry 30 Physics 30 A language other than one used above at the Grade 12 level.
Any two courses with minimum three credit value at Grade 10 level (1000 or 4000 series) including those listed above and combined introductory CTS courses.	Any two courses with minimum three credit value at Grade 11 level (2000 or 5000 series) including those listed above and combined intermediate CTS courses.	Any two courses with minimum five credit value at Grade 12 level (3000, 6000 or 9000 series) including those listed above and combined advanced CTS courses.