



ursa High School Course Descriptions

ENGLISH LANGUAGE ARTS 10-1 (ELA1105, 5 credits)

This is the academic English Language Arts course. It is designed for students who plan to attend post-secondary school immediately after high school. Students taking this course will gain a full appreciation of the skills of reading and writing, learn to use language confidently in various situations, and discover the significance and artistry of literature. Texts for the course include short stories, poetry, non-fiction, a modern play, a Shakespearean play excerpt, and a novel. Students are required to use Proctorio remote supervision software for assessments in this class.

For a student to be successful in this course, **ursa** requires a minimum of 65% in Language Arts 9 or a minimum of 70% in English 10-2.

***Prerequisite:** ELA 9 OR ELA 10-2*

ENGLISH LANGUAGE ARTS 10-2 (ELA1104, 5 credits)

This is the non-academic English Language Arts course. It is designed for students with a mark in English Language Arts 9 below 65%. The focus will be on basic communication skills by studying short stories, non-fiction, poetry, a modern play, a feature film, and a novel. This course is recommended for students interested in pursuing post-secondary programs that do not have a primary focus in English. Students are required to use Proctorio remote supervision software for assessments in this class.

***Prerequisite:** ELA 9*

ENGLISH LANGUAGE ARTS 20-1 (ELA2105 5 credits)

Explore the rich world of English Literatures. In this course, students will study and create various types of English text. Texts for the course include non-fiction, short stories, poetry, a Shakespearean play, a novel, a modern play, and film. This course is designed for students interested in pursuing university or college programs. Students are required to use Proctorio remote supervision software for assessments in this class.

For a student to be successful in this course, **ursa** requires a minimum of 65% in English 10-1 or a minimum of 70% in English 20-2.

***Prerequisite:** ELA 10-1 OR 20-2*

ENGLISH LANGUAGE ARTS 20-2 (ELA2105, 5 credits)

This course will help students build skills for the practical application of English Language Arts in their personal or working lives. In this course, students will study and create various types of English text. Texts for the course include short stories, non-fiction, poetry, a modern play, a novel, visuals, and a film. Students are required to use Proctorio remote supervision software for assessments in this class.

In order for a student to be successful in this course, **ursa** requires a minimum of 50% in English 10-2 or 40% in English 10-1.

Prerequisite: *ELA 10-1 OR 10-2*

ENGLISH LANGUAGE ARTS 30-1 (ELA3105 5 CREDITS)

This course is designed to lead the student to fulfill high school graduation requirements in Alberta and as a culminating High School English Language Arts course. It is intended to be completed by students who plan to apply to post-secondary programs at a university or some colleges and trade schools. It is an appropriately challenging and rigorous course, as outlined by Alberta Education. In English 30-1, students will explore a variety of media (poetry, visuals, short stories, non-fiction, Shakespearean play, film, and novel) to showcase their understanding of how the English Language is used to convey thoughts and emotions. Students are required to use Proctorio remote supervision software for assessments in this class. The course is designed to fully prepare students for diploma exam success.

Students must write both parts of the English 30-1 diploma exam. The final mark must appear on the student's transcripts as both the course mark and diploma exam mark are required.

For a student to be successful in this course, **ursa** requires a minimum of 65% in the prerequisite course.

Prerequisite: *ELA 20-1 OR 30-2*

ENGLISH LANGUAGE ARTS 30-2 (ELA3104 5 CREDITS)

If students intend to pursue a college diploma program or a technical trades (note that requirements for trades vary, so we recommend that students investigate prior to registering in this course), this is the course for them. In English 30-2, students will explore a variety of texts (visuals, poetry, modern drama, film, and novel). Students will also receive a lot of instruction and practice writing in a variety of contexts, especially in preparation for the required provincial diploma exam. Students are required to use Proctorio remote supervision software for assessments in this class.

Students must write both parts of the English 30-2 diploma exam. The final mark must appear on the student's transcript as both the course mark and diploma exam mark are required.

For a student to be successful in this course, **ursa** requires a minimum of 50% in English 20-2 or 40% in English 20-1.

Prerequisite: ELA 20-1 OR 20-2

MATHEMATICS 10C (MAT1791, 5 CREDITS)

This introductory course prepares students to enter the -1 and -2 sequences of high school mathematics. Topics students will study include measurement, surface area and volume, trigonometry, exponents and radicals, relations and functions, equations and graphs of linear functions, and systems of linear equations. Students are required to use Proctorio remote supervision software for assessments in this class.

For a student to be successful in this course, **ursa** requires a minimum grade of 65% in Math 9 or a minimum grade of 65% in Math 15 or a minimum grade of 70% in Math 10-3.

Note: Students will require an approved graphing calculator (TI-84 recommended).

Prerequisite: Math 9 OR Math 15 OR Math 10-3

MATHEMATICS 10-3 (MAT1793, 5 CREDITS)

In this course, students will gain the mathematical understanding and critical thinking skills appropriate for entry into most trades or direct entry into the workforce. Students will study topics such as income, personal income taxes, working with money, measurement, geometry, and more. Students are required to use Proctorio remote supervision software for assessments in this class.

For a student to be successful in this course, **ursa** requires a minimum of 40% in the prerequisite course.

Note: Students will require a scientific calculator.

Prerequisite: Math 9

MATHEMATICS 20-1 (MAT2791, 5 CREDITS)

This course is designed to provide students with the skills needed to progress into Math 30-1, leading to post-secondary studies in engineering or other science-related programs. Topics students will study include quadratic functions and equations, radicals, trigonometry, sequences and series, rational

expressions and equations, absolute value and reciprocal functions, and equations and inequalities. Students are required to use Proctorio remote supervision software for assessments in this class.

For a student to be successful in this course, **ursa** requires a minimum of 65% in Math 10C or a minimum of 70% in Math 20-2 or a minimum of 60% in Math 30-2. Only one prerequisite course is required.

Note: Students will require an approved graphing calculator (TI-84 recommended).

Prerequisite: *Math 10C OR 20-2 OR 30-2*

MATHEMATICS 20-2 (MAT2792, 5 CREDITS)

In this course, students will gain the mathematical understanding and critical thinking skills appropriate for entry into post-secondary programs that do not require the study of calculus. Topics students will study include radicals, quadratic functions, logic and reasoning, geometry and proportional reasoning. Students are required to use Proctorio remote supervision software for assessments in this class.

For a student to be successful in this course, **ursa** requires a minimum of 55% in Mathematics 10C.

Note: Students will require an approved graphing calculator (TI-84 recommended).

Prerequisite: *Math 10C*

MATHEMATICS 20-3 (MAT2793, 5 CREDITS)

In this course, students will gain the mathematical understanding and critical thinking skills appropriate for entry into most trades or direct entry into the workforce. Topics include personal finances, trigonometry, algebra, measurement, scale and representing 3D objects visually. Students are required to use Proctorio remote supervision software for assessments in this class.

For a student to be successful in this course, **ursa** requires a minimum of 50% in Mathematics 10-3 or 40% in Mathematics 10C.

Note: Students will require a scientific calculator.

Prerequisite: *Math 10-3 OR 10C*

MATHEMATICS 30-1 (MAT3791, 5 CREDITS)

In this pre-calculus course, students will gain the mathematical knowledge and critical thinking skills appropriate for entry into math-intensive post-secondary programs that require the study of calculus. Topics of study include trigonometry, transformations, logarithms, function operations, permutations,

combinations, and binomial theorem. Students are required to use Proctorio remote supervision software for assessments in this class.

For a student to succeed in this course, **ursa** requires a minimum of 65% in Mathematics 20-1 or 70% in Mathematics 30-2.

Students must write the Mathematics 30-1 diploma exam. Both the course mark and diploma exam mark are required for an official mark to appear on a student's transcript.

Note: Students will require an approved graphing calculator (TI-84 recommended).

Prerequisite: Math 20-1 OR 30-2

MATHEMATICS 30-2 (MAT3792, 5 CREDITS)

In this course, students will gain the mathematical understanding and critical thinking skills appropriate for entry into post-secondary programs that don't require the study of calculus. Topics of study include set theory, counting methods, probability, rational expressions, polynomial functions, and exponential and logarithmic functions, along with their applications. If students are considering post-secondary fields such as arts, nursing, civil engineering technology, medical technologies, or some apprenticeship programs, this is the math course for them. Students are required to use Proctorio remote supervision software for assessments in this class.

For a student to be successful in this course, **ursa** requires a minimum of 55% in Mathematics 20-2 or a minimum of 40% in Mathematics 20-1.

Students must write the Mathematics 30-2 diploma exam. Both the course mark and diploma exam mark are required for an official mark to appear on a student's transcript.

Note: Students will require an approved graphing calculator (TI-84 recommended).

Prerequisite: Math 20-1 OR 20-2

MATHEMATICS 30-3 (MAT3793, 5 CREDITS)

In this course, students gain the mathematical understanding and critical thinking skills appropriate for entry into most trades or direct entry into the workforce. This hands-on course allows students to apply their knowledge of subjects to real-world situations. Topics include probability, statistics, measurement, business plans, and more. Students are required to use Proctorio remote supervision software for assessments in this class.

For a student to be successful in this course, **ursa** requires a minimum of 50% in Mathematics 20-3 or 40% in Mathematics 20-2. Only one prerequisite is required.

Note: Students will require a scientific calculator.

Prerequisite: *Math 20-2 OR 20-3*

MATHEMATICS 31 (MAT3211, 5 CREDITS)

This non-calculator-based course is intended to prepare students for entering post-secondary studies in engineering or other science-related programs. Topics students will study include pre-calculus, limits, derivatives and their applications, curve sketching, trigonometry, exponential and logarithmic functions, and integrals. Students are required to use Proctorio remote supervision software for assessments in this class.

For a student to succeed in this course, **ursa** requires a minimum score of 50% in Math 30-1 or for the student to take Math 30-1 at the same time as Math 31.

Prerequisite: *Math 30-1*

SOCIAL STUDIES 10-1 (SST1771, 5 credits)

In this course, students will explore what it means to be a citizen of their community, province, and country. They will also consider various perspectives as they explore the impact of globalization on identity, lands, cultures, economies, human rights, and quality of life. This is the first course in the stream for students interested in and with an aptitude for Social Studies. Students are required to use Proctorio remote supervision software for assessments in this class.

For a student to be successful in this course, **ursa** requires a minimum of 65% in the prerequisite course.

Prerequisite: *Social Studies 9 OR Social Studies 10-2*

SOCIAL STUDIES 10-2 (SST1772, 5 credits)

In this course, students will explore globalization, beginning with what it means and how it works. Students will also consider various perspectives as they explore the impact of globalization on identity, lands, cultures, economies, human rights, and quality of life. This course is the first in the stream for students who want to achieve the basic Social Studies requirements. Students are required to use Proctorio remote supervision software for assessments in this class.

For a student to be successful in this course, **ursa** requires a minimum of 50% in the prerequisite course.

Prerequisite: *Social Studies 9*

SOCIAL STUDIES 20-1 (SST2771, 5 credits)

In this course, students will explore the complexities of nationalism in Canadian and international contexts, including its origins and influence on regional, international, and global relations. Students will consider various perspectives as they consider how nationalism contributes to the citizenship and identities of peoples in Canada. This is the second course in the stream for students interested in and with an aptitude for Social Studies. Students are required to use Proctorio remote supervision software for assessments in this class.

For a student to be successful in this course, **ursa** requires a minimum of 60% in the prerequisite course. Only one prerequisite course is required.

***Prerequisite:** Social Studies 10-1 OR Social Studies 20-2*

SOCIAL STUDIES 20-2 (SST2772, 5 credits)

In this course, students explore the answer to the question, “To what extent should we embrace nationalism?” They examine historical and contemporary understandings of nationalism in Canada and the world. They also look at the origins and impacts of nationalism on individuals and communities from various perspectives through examples of nationalism, ultra-nationalism, supra-nationalism, and internationalism. Topics include the French Revolution, World War I, Nazi Germany, and the development of foreign policy in the Global Village. This is the second course in the stream for students who want to achieve the basic Social Studies requirements. Students are required to use Proctorio remote supervision software for assessments in this class.

For a student to be successful in this course, **ursa** requires a minimum of 50% in Social Studies 10-2 or 40% in Social Studies 10-1.

***Prerequisite:** Social Studies 10-1 OR Social Studies 10-2*

SOCIAL STUDIES 30-1 (SST3771, 5 credits)

In this course, students explore the answer to the question, “What is an ideology and how do ideologies develop and impact individuals, communities, and societies as a whole?” They uncover the answers to these questions and more as they investigate topics such as ideology and identity, liberalism, individual and collective rights, and democratic citizenship. This is the third and final course in the stream for students interested in and with an aptitude for Social Studies. Students are required to use Proctorio remote supervision software for assessments in this class.

Students must write both parts of the Social Studies 30-1 diploma exam. The final mark must appear on the student's transcripts as both the course mark and diploma exam mark are required.

For a student to be successful in this course, **ursa** requires a minimum of 60% in the prerequisite course. Only one prerequisite course is required.

Prerequisite: Social Studies 20-1 OR Social Studies 30-2

SOCIAL STUDIES 30-2 (SST3772, 5 credits)

In this course, students explore the answer to the question, “What is an ideology, and how do ideologies develop and impact individuals, communities, and societies as a whole?” They will uncover the answers to these questions and more as they investigate topics such as ideology and identity, liberalism, individual and collective rights, and democratic citizenship. This is the third and final course in the stream for students who want to achieve the basic Social Studies requirements. Students are required to use Proctorio remote supervision software for assessments in this class.

Students must write both parts of the Social Studies 30-2 diploma exam. The final mark must appear on the student's transcripts as both the course mark and diploma exam mark are required.

For a student to be successful in this course, **ursa** requires a minimum of 60% in the prerequisite course.

Prerequisite: Social Studies 20-1 OR Social Studies 20-2

SCIENCE 10 (SCN1270, 5 credits)

In this course, students will gain an understanding of the fundamentals of the four main disciplines of science: Biology, Chemistry, Physics, and Earth Science. Students are required to use Proctorio remote supervision software for assessments in this class.

For a student to be successful in this course, **ursa** requires a minimum of 65% in the prerequisite course.

Prerequisite: Science 9 OR Science 14

SCIENCE 14 (SCN1288, 5 credits)

In this course, students will investigate the properties of matter, including matter and energy in living systems and the environment. Students will also learn about energy transfer technologies and complete lab activities using common household materials. There is a supervised final exam in this course. Students are required to use Proctorio remote supervision software for assessments in this class.

If students receive less than 65% in Science 9, they should take this course.

Prerequisite: Science 9

SCIENCE 20 (SCN2270, 5 credits)

This is the course for students interested in science but who don't plan to pursue a post-secondary program with a focus on science. In Science 20, students will explore the concept of change, including chemical changes and changes in motion, and get an overview of biology, chemistry, and physics topics. Students are required to use Proctorio remote supervision software for assessments in this class.

For a student to be successful in this course, **ursa** requires a minimum of 55% in Science 10.

Prerequisite: Science 10

SCIENCE 24 (SCN2288, 5 credits)

In this course, students will study topics related to everyday life, such as energy use, safe driving, human health, defenses against disease, and fundamental chemistry. Students are required to use Proctorio remote supervision software for assessments in this class.

For a student to be successful in this course, **ursa** requires a minimum of 50% in Science 14. Students who received 40–50% in Science 10 should take this course.

Prerequisite: Science 10 OR Science 14

BIOLOGY 20 (SCN2231, 5 credits)

In Biology 20, students will study topics like energy and matter exchange in the biosphere, ecosystems and population change, photosynthesis and cellular respiration, and human systems (circulatory, respiratory, excretory, muscular). Students are required to use Proctorio remote supervision software for assessments in this class.

For a student to be successful in this course, **ursa** requires a minimum of 55% in the prerequisite course.

Prerequisite: Science 10

CHEMISTRY 20 (SCN2796, 5 credits)

In Chemistry 20, students will dive into the world of Chemistry and study the diversity of matter. They will learn about chemical bonding; the nature of matter in the context of solutions, acids, and bases; and the quantitative relationships in chemical change. Students are required to use Proctorio remote supervision software for assessments in this class.

For a student to be successful in this course, **ursa** requires a minimum of 60% in Science 10. It is recommended that they also complete Math 10C (65+%) or co-register in/successfully complete Mathematics 20-1 or 20-2.

Prerequisites: Science 10 and Math 10C

PHYSICS 20 (SCN2797, 5 credits)

Physics 20 students will investigate changes in the position and velocity of objects and systems in a study of kinematics and then investigate causes of change in the position and velocity of objects and systems through a study of dynamics and gravitation. Students are required to use Proctorio remote supervision software for assessments in this class.

For a student to be successful in this course, **ursa** requires a minimum of 60% in Science 10. It is recommended that they also complete Math 10C (65+%) or co-register in/successfully complete Mathematics 20-1 or 20-2.

Prerequisite: Science 10 and Math 10C

BIOLOGY 30 (SCN3231, 5 credits)

Biology 30 is intended to develop students' understanding and application of biological concepts and skills. This course focuses on understanding the biological principles behind the natural events the students experience and the technology they use in their daily lives. Students are required to use Proctorio remote supervision software for assessments in this class.

Students must write the Biology 30 diploma exam. The final mark must appear on the student's transcripts, as both the course mark and diploma exam mark are required.

For a student to be successful in this course, **ursa** requires a minimum of 65% in the prerequisite course.

Prerequisite: Biology 20

CHEMISTRY 30 (SCN3796, 5 credits)

Chemistry 30 is a rigorous science program designed for students with a strong aptitude and keen interest in mathematics applied to the world of chemistry and who intend to pursue post-secondary studies in a science program. Students will develop skills in problem-solving and understanding of technology as it affects everyday life and experiences. Topics include thermochemistry and how to find the heat of a reaction, electrochemistry including how batteries work, organic chemistry highlighting fossil fuel reactions, and acids and bases equilibrium systems. Students are required to use Proctorio remote supervision software for assessments in this class.

Students must write the Chemistry 30 diploma exam. The final mark must appear on the student's transcripts, as both the course mark and diploma exam mark are required.

For a student to be successful in this course, **ursa** requires a minimum of 65% in the prerequisite course.

Prerequisites: *Chemistry 20*

PHYSICS 30 (SCN3797, 5 credits)

Physics 30 is intended to further students' understanding and application of fundamental physics concepts and skills. The course focuses on understanding the physics principles behind the natural events that students experience and the technology they use in their daily lives. Students are required to use Proctorio remote supervision software for assessments in this class.

Students must write the Physics 30 diploma exam. The final mark must appear on the student's transcripts as both the course mark and diploma exam mark are required.

For a student to be successful in this course, **ursa** requires a minimum of 65% in the prerequisite course.

Prerequisite: *Physics 20*

SCIENCE 30 (SCN3270, 5 credits)

In this course, students will investigate topics such as circulation and genetics, acid-base chemistry, organic chemistry, electromagnetic radiation, and energy resources. This course is an academic science course that covers biology, chemistry, physics, and environmental science. Students are required to use Proctorio remote supervision software for assessments in this class.

Students must write the Science 30 diploma exam. The final mark must appear on the student's transcripts as both the course mark and diploma exam mark are required.

For a student to be successful in this course, **ursa** requires a minimum of 65% in at least one of the prerequisite courses.

Prerequisite: *Science 20 OR Chemistry 20 OR Physics 20*

Art 10 (FNA1400 3 credits)

In-Person Option

Students undertake an in-depth journey through the world of visual communication, with the creation of 2-D and 3-D images, using various media and processes, and examining the role of art in past and present societies, including various art movements in different art forms. This assists students in increasing their artistic competence, sophistication, and complexity, as well as developing creative thinking, problem-solving, communication, and interpersonal skills.

The 3-credit Art 10 course includes the following: Various Drawings, Colour Theory Painting, Collage, Negative-Positive Space Composition, Calligraphy and Posters, Weaving, Cartooning, Surrealism and Mixed Media, and Analysing Art.

Online Option

Students undertake an in-depth journey through the world of visual communication, with the creation of 2-D and 3-D images, using various media and processes, and examining the role of art in past and present societies, including various art movements in different art forms. This assists students in increasing their artistic competence, sophistication, and complexity, as well as developing creative thinking, problem-solving, communication, and interpersonal skills.

The 3-credit Art 10 course includes the following: Various Drawings, Colour Theory Painting, Collage, Negative-Positive Space Composition, Calligraphy and Posters, Weaving, Cartooning, Surrealism and Mixed Media, and Analysing Art.

Required Materials (not provided by ursa): Students are required to have access to the following basic art supplies:

- several sheets of large white drawing paper (at least 20)
- set of watercolour and acrylic paints
- painting brushes of several sizes
- variety of pencils of various softness of leads such as 2B, 4B, 6B, etc.
- packages of coloured pencil crayons and wax crayons
- basic geometry set including a ruler and eraser
- ink pens (one with a calligraphic tip)

Prerequisite: None

ART 20 (FNA2400 5 credits)

In-Person Option

In Art 20, students continue to undertake an in-depth journey through the world of visual communication, with the creation of 2-D and 3-D images, using various media and processes, and the examination of the role of art in past and present societies, including a variety of art movements in different art forms. This assists students to further increase their artistic competence, sophistication, and complexity, as well as to develop further creative thinking, problem-solving, communication, and interpersonal skills.

Art 20 includes major disciplines of drawing, design, painting, printmaking, architecture, sculpture, and art history. Students are encouraged to use non-traditional approaches, such as metamorphosis and accidental occurrences, as the basis for certain compositions.

Online Option

In Art 20, students continue to undertake an in-depth journey through the world of visual communication, with the creation of 2-D and 3-D images, using various media and processes, and the examination of the role of art in past and present societies, including a variety of art movements in different art forms. This assists students to further increase their artistic competence, sophistication, and complexity, as well as to develop further creative thinking, problem-solving, communication, and interpersonal skills.

Art 20 includes major disciplines of drawing, design, painting, printmaking, architecture, sculpture, and art history. Students are encouraged to use non-traditional approaches, such as metamorphosis and accidental occurrences, as the basis for certain compositions.

Required Materials (not provided by ursa):

Students are required to have access to the following basic art supplies:

- several sheets of large white drawing paper (at least 20)
- set of watercolour and acrylic paints
- painting brushes of several sizes
- variety of pencils of various softness of leads such as 2B, 4B, 6B, etc.
- packages of coloured pencil crayons and wax crayons
- basic geometry set including a ruler and eraser, and ink pens

Prerequisite(s): Art 10

ART 30 (FNA3400 5 credits)

In-Person Option

In Art 30, students continue to undertake an in-depth journey through the world of visual communication, with the creation of 2-D and 3-D images, using various media and processes to achieve a personal style, and the analysis of the role of art in past and present societies, including a variety of art movements in different artist forms. This assists students to further increase their artistic competence, sophistication, and complexity, as well as to develop further creative thinking, problem-solving, communication, and interpersonal skills.

Art 30 includes major disciplines of drawing, design, painting, printmaking, architecture, sculpture, and art history. Students are encouraged to use non-traditional approaches, such as metamorphosis and accidental occurrences, as the basis for certain compositions.

Online Option

In Art 30, students continue to undertake an in-depth journey through the world of visual communication, with the creation of 2-D and 3-D images, using various media and processes to achieve a personal style, and the analysis of the role of art in past and present societies, including a variety of art movements in different artist forms. This assists students to further increase their artistic competence, sophistication, and complexity, as well as to develop further creative thinking, problem-solving, communication, and interpersonal skills.

Art 30 includes major disciplines of drawing, design, painting, printmaking, architecture, sculpture, and art history. Students are encouraged to use non-traditional approaches, such as metamorphosis and accidental occurrences, as the basis for certain compositions.

Required Materials (not provided by ursa):

Students are required to have access to the following basic art supplies:

- several sheets of large white drawing paper (at least 20)
- set of watercolour and acrylic paints
- painting brushes of several sizes
- variety of pencils of various softness of leads such as 2B, 4B, 6B, etc.
- clay and clay working tools
- found materials for sculpture
- basic geometry set including a ruler and eraser, and ink pens

Prerequisite(s): Art 20

GENERAL MUSIC 10 (FNA1424, 3 credits)

In-Person Option

In General Music 10, students engage in a wide range of musical experiences through a hands-on classroom approach. This course encourages exploration and experimentation with various musical instruments in different performance settings, including solo, duo, small ensemble, and full-class ensemble. The elective component of this course is focused on popular music, allowing students to explore its impact and examine the role of different forms of music-making in society.

The goal of this course is to equip students with the knowledge and understanding to approach music with an open perspective, recognizing its many possibilities for personal and world discovery. Whether pursuing music professionally or recreationally, students will develop a deeper appreciation for its significance and impact.

Students will have the opportunity to learn and play a variety of musical instruments, including guitar, ukulele, bass guitar, piano, drums, barred instruments, and percussion instruments. They are encouraged to explore both traditional and non-traditional forms of music notation, create their own compositions, and reinterpret popular songs.

Prerequisite(s): None

Online Option

In General Music 10, students engage in the exploration of different musical fields, including music making, history and theory. Students undertake an in-depth learning of music theory through the keyboard, acquiring practical, theoretical, and historical understanding of the pieces they learn on the instrument.

The goal of this course is to equip students with the knowledge and understanding to approach music with an open perspective, recognizing its many possibilities for personal and world discovery. Whether pursuing music professionally or recreationally, students will develop a deeper appreciation for its significance and impact.

The elective component of this course is focused on popular music, allowing students to explore its impact and examine the role of different forms of music-making in society.

Prerequisite(s): None

GENERAL MUSIC 20 (FNA2424, 3 credits)

In-Person Option

In General Music 20, students continue to engage in a wide range of musical experiences through a hands-on classroom approach. This course encourages exploration and experimentation with various musical instruments in different performance settings, including solo, duo, small ensemble, and full-class ensemble. The elective component of this course is focused on popular music, allowing students to explore its impact and examine the role of different forms of music-making in society.

The goal of this course is to equip students with the knowledge and understanding to approach music with an open perspective, recognizing its many possibilities for personal and world discovery. Whether pursuing music professionally or recreationally, students will develop a deeper appreciation for its significance and impact.

Students will have the opportunity to learn and play a variety of musical instruments, including guitar, ukulele, bass guitar, piano, drums, barred instruments, and percussion instruments. They are encouraged to explore both traditional and non-traditional forms of music notation, create their own compositions utilizing musical forms such as canon, blues and ABA form, and reinterpret popular songs.

Online Option

In General Music 20, students continue to engage in the exploration of different musical fields, including music making, history and theory. Students undertake an in-depth learning of music theory through the keyboard, acquiring practical, theoretical, and historical understanding of the pieces they learn on the instrument.

The goal of this course is to equip students with the knowledge and understanding to approach music with an open perspective, recognizing its many possibilities for personal and world discovery. Whether pursuing music professionally or recreationally, students will develop a deeper appreciation for its significance and impact.

The elective component of this course is focused on popular music, allowing students to explore its impact and examine the role of different forms of music-making in society.

Prerequisite(s): General Music 10

GENERAL MUSIC 30 (FNA3424, 3 credits)

In-Person Option

In General Music 30, students continue to engage in a wide range of musical experiences through a hands-on classroom approach. This course encourages exploration and experimentation with various musical instruments in different performance settings, including solo, duo, small ensemble, and full-class ensemble. The elective component of this course is focused on popular music, allowing students to explore its impact and examine the role of different forms of music-making in society.

The goal of this course is to equip students with the knowledge and understanding to approach music with an open perspective, recognizing its many possibilities for personal and world discovery. Whether pursuing music professionally or recreationally, students will develop a deeper appreciation for its significance and impact.

Students will have the opportunity to learn and play a variety of musical instruments, including guitar, ukulele, bass guitar, piano, drums, barred instruments, and percussion instruments. They are encouraged to explore both traditional and non-traditional forms of music notation, create their own compositions utilizing musical forms such as canon, blues and ABA form, and reinterpret popular songs.

Online Option

In General Music 30, students continue to engage in the exploration of different musical fields, including music making, history and theory. Students undertake an in-deep learning of music theory through the keyboard, acquiring practical, theoretical, and historical understanding of the pieces they learn on the instrument.

The goal of this course is to equip students with the knowledge and understanding to approach music with an open perspective, recognizing its many possibilities for personal and world discovery. Whether pursuing music professionally or recreationally, students will develop a deeper appreciation for its significance and impact.

The elective component of this course is focused on popular music, allowing students to explore its impact and examine the role of different forms of music-making in society.

Prerequisite(s): General Music 20

PHYSICAL EDUCATION 10 (PED1445, 3 OR 5 credits)

Students will enjoy and improve in a variety of activities in the school environment and in the community. They will experience better health and well-being, play cooperatively, and embrace activity as part of an active, healthy lifestyle.

Prerequisite(s): None

PHYSICAL EDUCATION 20 (PED2445, 3 OR 5 credits)

Students will enjoy and improve their skills in a wide variety of activities in the school environment and within the community. They will experience better health and well-being, play cooperatively, and embrace activity as a lifestyle choice.

Prerequisite(s): Physical Education 10

PHYSICAL EDUCATION 30 (PED3445, 3 OR 5 credits)

Students will enjoy and improve their skills in various activities in the school environment and within the community. They will experience better health and well-being, play cooperatively, and embrace activity as a lifestyle.

Prerequisite(s): Physical Education 20

ABORIGINAL STUDIES 30 (SSN3154, 5 credits)

Aboriginal Studies 30 enhances understanding of the diverse Aboriginal cultures within Alberta, Canada and the world. Students will gain a greater understanding of the current issues facing Aboriginal peoples worldwide. Aboriginal Studies 30 enables students to demonstrate an understanding of the issues of Aboriginal rights and self-government, Aboriginal land claims, Aboriginal peoples in Canadian society and Aboriginal world issues.

Prerequisite(s): Aboriginal Studies 20

CAREER AND LIFE MANAGEMENT – CALM (PED0770, 3 credits)

This course is about exploring the various steps of personal development and equipping students with the necessary skills to make healthy, well-informed decisions and choices throughout their lives.

Note:

- Parent/guardian approval is required for students under 18 to access the Human Sexuality content. This is an optional component to the course.
- **This course is a requirement for graduation**

Prerequisite(s): None

BUYING AND SELLING VEHICLES (MEC3010, 1 credit)

Students develop the skills required to make an informed purchase or sale of a vehicle.

Prerequisite(s): None

CARDIOVASCULAR SYSTEM (HCS1080, 1 credit)

Students acquire the attitude, knowledge and skills for the promotion and maintenance of a healthy cardiovascular system. Students study the pathology of cardiovascular conditions and gain an appreciation for practising a healthy lifestyle as it pertains to the individual, family, peers and community.

Prerequisite: Health Services Foundations

CONTEMPORARY BAKING (FOD1020, 1 credit)

Students develop and demonstrate an understanding of traditional and contemporary baking, focusing on basic measuring techniques, preparation methods, role of ingredients and the proper use of equipment for baked goods.

In order for a student to be successful in this course, **ursa** requires a minimum of 50% in the prerequisite course.

Required Materials (not provided by ursa): Access to a personal or commercial food preparation facility as well as ingredients for required labs.

Prerequisite(s): Foods Basics

CRIMINAL LAW (LGS3080, 1 credit)

What rights does someone who's been arrested have? What's expected of someone attending a court appearance? What's up with jury duty? What's a suspended sentence? Find the answers to these questions, and more, in this course. Examine the criminal justice system and become familiar with criminal justice processes and the roles and responsibilities of participants in the system.

Prerequisite(s): None

DIGESTIVE SYSTEM (HCS1060, 1 credit)

Students acquire the attitudes, skills and knowledge for achieving and maintaining digestive health, and gain an appreciation for practising a healthy lifestyle as it pertains to the individual, family, peers and community.

Prerequisite: Health Services Foundations

DIGITAL IMAGES (COM1005, COM1275, COM3275, 3 credits)

Students will employ fundamental principles of design and gain a foundational multidisciplinary experience for other communication.

Prerequisite(s): None

DIGITAL PRESENTATION 1 (INF1070 1 credit)

Students will learn how to use presentation software properly (Google Slides and PowerPoint) as they create and customize a presentation document. They will also explore the basics of formatting and adding visual content to a document.

Prerequisite(s): None

E-LEARNING AND LEARNING MANAGEMENT SYSTEMS (COM1255 1 credit)

Students are introduced to **ursa's** Learning Management System (LMS) CANVAS. Students will study the basics of online learning, online ethics, and digital literacy.

Prerequisite(s): None

ENDOCRINE SYSTEM (HCS2060, 1 credit)

Students acquire the attitudes, knowledge and skills necessary for achieving and maintaining a healthy endocrine system and balanced hormonal health. Students gain an appreciation for practising a healthy lifestyle as it pertains to the individual, family, peers and community.

Prerequisite: Health Services Foundations

FAST AND CONVENIENCE FOODS (FOD1050, 1 credit)

In this course, students consider budget, time, quality of food and food alternatives by making wise choices in buying, using, and preparing fast foods and convenience foods. Students identify and compare the variety, availability, and nutritional components of fast foods and convenience foods. They will plan, prepare, and evaluate fast foods and simple convenience foods. Students will also identify and demonstrate safe and sanitary practices.

Required Materials (not provided by ursa): Access to a personal or commercial food preparation facility as well as ingredients for required labs.

Prerequisite(s): Foods Basics

FINANCIAL LITERACY (FIN1010, FIN1910, FIN3070, 3 credits)

Students learn about financial literacy and basic accounting principles and explore small business and venture planning.

Prerequisite(s): None

FOODS 10 (3 credits)

This three-credit course starts with Foods Basics (FOD1010) where students will find out how to handle food safely and how to follow recipes so students can plan, prepare, and evaluate basic dishes. Basic safety will be covered as well as understanding recipes and baking some tasty treats!

Prerequisite(s): None

FOODS 20 (3 credits)

Building on foundational cooking skills, this intermediate Foods course expands students' knowledge of advanced food preparation techniques, nutrition, and meal planning. Students will refine their culinary skills through hands-on experiences, exploring international cuisines, baking, and specialized cooking methods. Emphasis is placed on time management, presentation, and creating balanced, nutritious meals. This course fosters creativity and confidence in the kitchen while preparing students for more complex culinary challenges.

Prerequisite(s): Foods 10

FOODS 30 (3 credits)

This course builds on intermediate culinary skills, introducing students to more refined cooking techniques, meal planning strategies, and food presentation. Students will explore a wider range of cuisines, experiment with advanced baking and cooking methods, and deepen their understanding of nutrition and food sustainability. Emphasis is placed on efficiency, creativity, and working with diverse ingredients to create well-balanced, visually appealing meals. This course prepares students for more advanced culinary challenges while fostering confidence and independence in the kitchen.

Prerequisite(s): Foods 20

FOODS BASICS (FOD1010 1 Credit)

In this course, students will find out how to handle food safely and how to follow recipes so students can plan, prepare, and evaluate basic dishes. Basic safety will be covered as well as understanding recipes and baking some tasty treats! Foods Basics is a prerequisite for most Foods courses.

Required Materials (not provided by ursa): Access to a personal or commercial food preparation facility as well as ingredients for required labs.

Prerequisite(s): None

GENERAL PSYCHOLOGY (SSN2172, 3 credits)

This course aims to provide students with a general background in psychology, including the history of psychology and the principles of learning and thinking. Students will learn about stress and aggression, the influence of small groups, the status of roles, and some insights regarding neurosis and psychosis.

Prerequisite(s): None

GENERAL SOCIOLOGY 20 (SSN2176, 3 credits)

The purpose of this course is to increase a student's understanding of group behaviour. Sociology should help them to feel themselves part of society, to understand how society influences their life, and to realize how they can influence society.

Prerequisite(s): None

GENIUS HOUR 10 (OTH1999, 3 credits)

This dynamic, hands-on course offers students a unique learning experience through a variety of ever-changing modules that focus on creativity, problem-solving, and innovation. Students will engage in

activities such as building, experimenting, designing, and exploring real-world applications of STEM and beyond. With modules tailored to be grade-appropriate, each year provides fresh challenges and opportunities for discovery. Some sessions are led by outside experts, bringing real-world knowledge and expertise into the classroom. This course encourages curiosity, adaptability, and a passion for learning through interactive and engaging experiences.

NOTE: This course is for in-person learners only. This course has an additional \$400 fee for materials and specialized guest instructors.

Prerequisite(s): None

GENIUS HOUR 20 (OTH2999, 3 credits)

This dynamic, hands-on course offers students a unique learning experience through a variety of ever-changing modules that focus on creativity, problem-solving, and innovation. Students will engage in activities such as building, experimenting, designing, and exploring real-world applications of STEM and beyond. With modules tailored to be grade-appropriate, each year provides fresh challenges and opportunities for discovery. Some sessions are led by outside experts, bringing real-world knowledge and expertise into the classroom. This course encourages curiosity, adaptability, and a passion for learning through interactive and engaging experiences.

NOTE: This course is for in-person learners only. This course has an additional \$400 fee for materials and specialized guest instructors.

Prerequisite(s): None

GENIUS HOUR 30 (OTH3999, 3 credits)

This dynamic, hands-on course offers students a unique learning experience through a variety of ever-changing modules that focus on creativity, problem-solving, and innovation. Students will engage in activities such as building, experimenting, designing, and exploring real-world applications of STEM and beyond. With modules tailored to be grade-appropriate, each year provides fresh challenges and opportunities for discovery. Some sessions are led by outside experts, bringing real-world knowledge and expertise into the classroom. This course encourages curiosity, adaptability, and a passion for learning through interactive and engaging experiences.

NOTE: This course is for in-person learners only. This course has an additional \$400 fee for materials and specialized guest instructors.

Prerequisite(s): None

HEALTH SERVICES FOUNDATIONS (HSS1010, 1 credit)

Students examine fundamental attitudes, knowledge and skills to prepare for further study in career pathways in health, recreation and community services. Concepts related to the determinants of health, the dimensions of wellness, basic principles of anatomy, physiology and disease, and basic safety and reporting protocols for providing care to individuals in health, recreation, volunteer and community support settings are reviewed. This course serves as a prerequisite for all other HCS Courses.

Prerequisite(s): None

JOB PREPARATION (CTR1010, 1 credit)

In this course, students develop successful employment search skills and a personal employment search portfolio. They will identify and develop knowledge, skills and attitudes appropriate for conducting successful employment searches. Students will prepare a personal employment search portfolio and use technologies, tools and information systems appropriately for job preparation.

Prerequisite(s): None

INJURY MANAGEMENT 1 (REC1020 1 credit)

Learn about prevention, assessment, and management techniques for common injuries that may occur during recreation and sporting events and activities.

Prerequisite(s): None

INTRODUCTION TO ANIMAL BASICS – EQUINE (AGR1040 1 credit)

Students will identify and demonstrate the basic steps involved in raising and caring for a domestic animal (horse).

Prerequisite(s): None

LOCAL AND CANADIAN GEOGRAPHY 20 (SSN2166, 3 credits)

Students will learn about the interaction between geographic factors and human settlement patterns in urban and rural areas, including Western Canada and Eastern Canada.

Prerequisite(s): None

MARKETING AND MANAGEMENT (MAM1010, 1 credit)

Students identify basic management and marketing concepts and describe retail-merchandising strategies of value to the retail employee, manager or owner. They will identify and describe roles and features within an organization and describe the characteristics of marketing and decisions made within the marketing mix. Students will also identify and analyze retail-merchandising strategies used in the marketplace today.

Prerequisite(s): None

MENTAL HEALTH AND WELLNESS (HSS3020, 1 credit)

In this course, students acquire the attitude, skills and knowledge necessary for achieving and maintaining mental health and wellness. Students study stress and its relationship to health and wellness, examine resources to prevent and manage stress as well as adaptive and maladaptive coping mechanisms related to stress, gain an appreciation for the complexity of a variety of mental health conditions including dementia and depression, and the medical and integrative health approaches and resources available to manage them. Students examine the impact of mental health as it pertains to the individual, family, peers and community.

Prerequisite(s): Health Services Foundations

PERSONAL PSYCHOLOGY (SSN2171, 3 credits)

This introductory psychology course is designed to help students develop an explanation of human intelligence, an understanding of personality theories and personal inventories, and biological influences on behaviour, including the brain and its role in perception involving sight, sound, touch, taste, and smell.

Prerequisite(s): None

MUSCULOSKELETAL SYSTEM (HCS1050, 1 credit)

Students explore the structure and function of the musculoskeletal system, gain an understanding of conditions of the musculoskeletal system and an appreciation for the benefits of practising a healthy lifestyle as it pertains to the individual, family, peers and community.

Prerequisite: Health Services Foundations

NERVOUS SYSTEM AND SENSES (HCS2050, 1 credit)

Students acquire the knowledge and skills necessary for the promotion and maintenance of a healthy nervous and sensory system. Students study pathologies of the nervous system and sensory organs and

gain an appreciation for practising a healthy lifestyle as it pertains to the individual, family, peers and community.

Prerequisite: Health Services Foundations

NUTRITION AND DIGESTION (FOD3020, 1 credit)

Students learn about nutrition and how the body processes food by appraising current nutritional theories/issues and dietary needs.

Prerequisite: Foods Basics

NUTRITION AND WELLNESS (HSS1020, 1 credit)

Students will learn the importance of nutrition and hydration for the promotion and maintenance of physical, emotional, and social health and wellness. Students will evaluate food and supplement choices, the effects of activity on nutritional requirements, and the use of nutrition labels to improve daily dietary nutritional intake at all ages. This course includes nutrients, body composition, metabolism, and what makes a healthy diet.

Prerequisite(s): None

POLITICAL THINKING 20 (SSN2155, 3 credits)

Students will understand the political decision-making process, develop an awareness of differing political points of view, and examine the relationship of freedom and responsibility in a democratic society.

Prerequisite(s): None

RESPIRATORY SYSTEM (HCS 1070, 1 Credit)

Students acquire the attitude, skills and knowledge for achieving and maintaining respiratory health, and study pathologies of the respiratory system to gain an appreciation for practising a healthy lifestyle as it pertains to the individual, family, peers and community.

Prerequisite: Health Services Foundations

SOCIOLOGICAL INSTITUTIONS 20 (SSN2177, 3 credits)

In this course, students will explore institutions, minorities, influences on behaviour, and roles and status through a sociological lens.

Prerequisite(s): None

SPECIAL PROJECTS 10 (OTH1999, 3 or 5 credits)

Are students interested in or passionate about something special that is not covered in the curriculum? Students may be able to earn high school credits through Special Projects.

Prerequisite(s): None

SPECIAL PROJECTS 20 (OTH2999, 3 or 5 credits)

Are students interested in or passionate about something special that is not covered in the curriculum? Students may be able to earn high school credits through Special Projects.

Prerequisite(s): None

SPECIAL PROJECTS 30 (OTH3999, 3 or 5 credits)

Are students interested in or passionate about something special that is not covered in the curriculum? Students may be able to earn high school credits through Special Projects.

Prerequisite(s): None

SPORT PSYCHOLOGY 1 (REC1050, 1 credit)

In this course, students will explore the effect of mental training on sport, artistic, and/or academic performance. Students will also examine and demonstrate strategies for strengthening mental fitness, including motivation, goal setting, relaxation, visualization, and positive self-talk. Students will create a mental fitness plan to apply to student's current sport or performance-based activity.

Prerequisite(s): None

TECHNICAL FOUNDATIONS FOR INJURY MANAGEMENT (REC1030, 1 credit)

Students explain basic taping and wrapping fundamentals, explore the role of the athletic therapist, identify first-aid supplies, describe common injuries, and apply basic taping and wrapping techniques to various body regions.

Prerequisite(s): Health Services Foundations and Musculoskeletal System

TEXTILE ARTS 1 (FAS1190 1 credit)

This Textile Arts CTS Course introduces students to a variety of yarn and fabric-based techniques, including knitting, crocheting, embroidery, weaving, and fabric painting. Students will have the opportunity to experiment with these skills by creating small sample pieces before choosing a larger project of their preference. The course also addresses copyright laws and ethical considerations in textile arts, while exploring potential career opportunities in fashion and design. Whether for personal interest or career exploration, this course offers a solid foundation in textile arts and design.

Required Materials (not provided by ursa):

- yarn and/or materials for the chosen projects (varies)
- access to a camera

Prerequisite(s): None

URINARY SYSTEM (HCS2070, 1 credit)

Students acquire the attitude, knowledge and skills necessary for achieving and maintaining urinary health and balanced body fluids. Students gain an appreciation for practising a healthy lifestyle as it pertains to the individual, family, peers and community.

Prerequisite: Health Services Foundations

WESTERN CANADIAN HISTORY 20 (SSN2186, 3 credits)

By utilizing a historical perspective, students will understand the complex events that resulted in the development of Western Canada and the relationships with the rest of Canada.

Prerequisite(s): None

WORK EXPERIENCE 15, 25, 35 (OTH1998, OTH2998, OTH3998 3, 5, or 10 credits)

Work Experience courses allow students to explore their career interests and gain valuable experience through their current job or volunteer work while earning credits. Plan to earn one credit for every 25 hours of work. Students may use a maximum of 15 Work Experience credits toward their Alberta High School Diploma requirements.

NOTE: Principal approval is required for enrollment in this course(s).

Prerequisite(s): Workplace Safety Systems

WORLD GEOGRAPHY 30 (SSN3166, 3 credits)

This course focuses on elements of World Geography, including examining political boundaries, forces of nature, and climate.

***Prerequisite(s):** None; this a 30 level course and the expectations are students will be able to complete work at the 30 level. ELA 20 (-1 or -2) suggested.*

WORD PROCESSING 1 (INF1030, 1 credit)

Students will learn how to use word-processing software properly as they create and customize documents. They will also explore the basics of formatting and adding visual content to a document.

***Prerequisite(s):** None*

WORKPLACE SAFETY SYSTEMS (HCS3000, 1 credit)

In this course, students will gain the knowledge, skills, and attitude necessary to apply health and safety standards in the workplace.

***Prerequisite(s):** None*