



St. Lawrence
College

GENERAL ARTS & SCIENCE

Course Descriptions: 2019/2020

(Updated August, 2019)

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**Course offerings are subject to change.*

Communications

COMM 110 - Communications for College I

This course is designed to help students develop and practice the written communication skills needed in order to be successful in college. The course includes an ongoing review of grammar with emphasis on all stages of the writing process, especially prewriting and rewriting. The course also focuses on students' ability to track down and assess secondary sources of material. Finally, students learn the mechanics and craft of integrating source material both correctly and effectively into their research papers.

(3 hours per week) Prerequisite: None.

COMM 42 - Critical Thinking

This course is designed to help the student identify and articulate his/her strengths and weaknesses in critical thinking. After the identification of these skills, their development by the student will enhance the effectiveness with which they apply to matters of judgment, analysis, persuasion, argumentation, and problem solving. The student will be challenged to apply these concepts

(3 hours per week) Prerequisite: None.

COMM 114 - Communications III (Winter Only)

This course focuses on academic reading and writing and is designed to help students become objective, constructive critics of their own work. Students read expository models in order to examine how published authors put together a piece of writing so that it effectively conveys a well-planned message to a specific audience. Students emulate the techniques and strategies of these models by producing a series of discussion papers and a research paper. By evaluating one another's work in progress in a workshop environment, students develop their editorial skills. Students then use these sharpened critical skills to refine their own writing.

(3 hours per week) Prerequisite: COMM 110 or equivalent.

ARTS 9 - Interviewing and Counselling (Winter Only)

Effective listening and interviewing techniques are important parts of any helping profession. Contact with clients, families, colleagues, other professionals, and the social service system are necessary to obtain and share relevant information, develop goals and problem-solve. Appropriate and sensitive communication skills are the foundation for effective helping and supportive relationships.

This course will enable you to become a more effective communicator and interviewer. You will have the opportunity to learn and apply basic skills within a general interview framework and will recognize and assess your own skills for strengths and areas to improve.

(3 hours per week) Prerequisite: None.

Communications

BEHA 1071 - Interpersonal Skills (Fall Only)

Students explore in-depth and improve their interpersonal skills. Students focus attention on personal growth to become aware of feelings, attitudes, values, and self-concepts and use this self-awareness to improve communications skills and relationships with others.

(3 hours per week) Prerequisite: None.

Digital Fluency

BCOM 17 - Introduction to Photoshop

This course is designed for students who are not professional designers or photographers but who have an interest in learning photo and image editing for recreational use. A hands-on, project-based course, BCOM 17 will introduce students to a range of Photoshop palettes, tools, and functions used in creating, editing, and modifying digital images.
(3 hours per week) Prerequisite: None.

BCOM 18 - Basic Video Editing (Winter Only)

BCOM 18 is a video-editing course offered in the General Arts and Science program. This course is a computer lab based practical course that is a study and introduction to video editing and post-production. Students will demonstrate through the Adobe Creative Series basic non-linear editing techniques to produce visual montages and sequence-based instructional videos.
(3 hours per week) Prerequisite: None.

COMP 222 - Computer Application Fundamentals

This introductory computer course familiarizes students with the functionality of internal SLC student-driven systems including the student intranet site and email system. It also explores theory and concepts of computer hardware and software with a hands-on introduction to the Windows operating system, file management techniques, databases, and Internet browsers. Students use the current version of Microsoft Office to explore and apply various features of MS Word, MS PowerPoint, and MS Excel.
(3 hours per week) Prerequisite: None.

Numeracy

MATH 103 - Introduction to College Mathematics

This introductory course in mathematics provides you with an opportunity to review basic arithmetic and computation before exploring such topics as ratios, proportions, trigonometry, algebra, and exponents. Applications of these concepts will be the focus of this course.

(4 hours per week) Prerequisite: None.

MATH 3 - Introduction to Statistics for the Behavioral Sciences (Winter Only)

This course is intended to give an introduction to the use of statistical methods in psychological research. The course includes the use of descriptive statistical methods to summarize and present data, the application of inferential statistical processes to make decisions about populations from sample data, the use of correlational techniques to determine if two variables are related, and predictive strategies to make predictions from one variable to another.

(4 hours per week) Prerequisite: None.

MATH 22 - Fundamental College Math

This introductory course in mathematics reviews fundamental math skills such as integers, fractions, decimals, percentages, and order of operations before exploring topics including measurement, algebra, linear equations, exponents, and logarithms. The purpose of this course is to build a diverse set of basic mathematical skills and apply this understanding to problems related to trades, technology, and/or health sciences.

(4 hours per week) Prerequisite: None.

MATH 42 - Probability and Statistics for Pre-Health Sciences (Winter Only)

This course introduces probability, research methods, and statistics used in the fields of health sciences. The course includes instruction related to probability, data collection techniques, the use of descriptive statistical methods to summarize and present data, the application of Z-scores to calculate probabilities and raw data scores, the use of correlational techniques to determine if two variables are related, and predictive strategies to make predictions from one variable to another.

(4 hours per week) Prerequisite: MATH 22 or equivalent

GENE 302 - Introduction to Personal Finance

This course provides an overview of the personal financial planning process. Students are introduced to the basic elements of resource allocation to achieve personal and financial goals. Course content includes cash management and budgeting, risk management and insurance, estate and tax planning, investments planning and asset allocation, and retirement planning.

(3 hours per week) Prerequisite: None.

Inclusivity Studies

GENE 31 - Human Sexuality

This course provides the opportunity to study human sexuality from a number of perspectives while exploring and integrating biological, socio cultural and psychological influences.

(3 hours per week) Prerequisite: None.

GENE 53 - Overview of Addictions

The impact of psychoactive drugs on our society is examined in this course. An analysis of the use and impact of alcohol, psychoactive prescription medication, street drugs, over-the-counter drugs, caffeine, nicotine, and problem gambling is conducted. An overview of practical drug concepts, theories of drug abuse, health promotion and prevention and the Ontario addiction treatment system is covered. Students learn how to assess at-risk users and review evidence-based treatment modalities.

GENE 71 – Violence Against Girls and Women

This course explores the causes and effects of violence against girls and women. Current theories about violence are used to examine the belief, attitudes, and behaviours that are the elements of every violent act and the social contexts in which violence takes place. Students also develop an understanding of the emotional, psychological and physical effects of violence on the victims and assess community responses to their needs. Issues such as child sexual assault, domestic violence and workplace sexual harassment are addressed.

(3 hours per week) Prerequisite: None.

GENE 165 - Introduction to Intercultural Communications

This introductory online course highlights the complex and dynamic components of cultural groups and their interactions. Students reflect on their own cultures and learn about others through various theoretical perspectives including Social Science, Interpretive Approach, and Critical Approach. Based on concepts of history, power, and identity, students learn how intercultural communication is affected by language, non-verbal communication, culture shock, popular culture, relationships, and conflict. Students discuss how these theories can be used to examine differences between cultures.

(3 hours per week) Prerequisite: None.

Inclusivity Studies

GENE 175 - A History of Indigenous Peoples in Canada

This course examines the history of Indigenous Peoples in the land we now call Canada, from pre-contact to modern times. Students will learn about the diversity among Indigenous Peoples, their world views, and the importance of land and sustenance. They will also discover the ways of living that emerged as a result of geography, and the changes in these ways of living that were brought about by European contact and subsequent colonization processes. Students will briefly explore the current circumstances of Indigenous People in Canada in the context of the historical events that shaped and continue to shape their lives. (3 hours per week) Prerequisite: None.

Social Sciences

PSYC 56 - Introductory Psychology

This course presents an overview of psychology as a behavioural science and assists students in the observation and explanation of human behaviours and personality development. Topics of study include sensation, perception, alternate states of consciousness, motivation, learning and intelligence, memory and cognition, abnormal psychology, interpersonal relationships, and current psychological therapies.

(3 hours per week) Prerequisite: None.

PSYC 58 - Abnormal Psychology (Winter Only)

This course will introduce and define the concept of abnormal behaviour. It will consider the history and theoretical development of various perspectives on abnormal behavior. Classification and treatment of the major DSM-IV will be considered as well as society's response to maladaptive behavior.

(3 hours per week) Prerequisites: Introductory Psychology or equivalent.

SOCI 10 - Introductory Sociology

This course provides a general overview of human interaction in Canadian society. Students will become familiar with a variety of factors which affect group behavior, and individual behaviour within the group: factors such as cultural influences, socialization, norms beliefs, and values.

(3 hours per week) Prerequisite: None.

Applied Sciences

BIOL 101 - Introduction to Biology (Fall Only)

This course provides students with a primer to the study of biology. Students examine concepts such as the hierarchy of biological classification, and the cell as the fundamental unit of biological organization. Other topics include investigation of cellular biology- from biological molecules, to cells, to whole organisms. Students learn that all living things share a common genetic language, along with similarities in cellular reproduction.

(4 hours per week with an additional 8 lab hours over the course of the semester)

Prerequisite: None.

BIOL 105 - Fundamental Human Biology (Winter Only)

This course further develops knowledge of biology with a focus shifted toward the human organism and healthcare. This course focuses on the organization of human cell types, organs, organ systems, and cellular signaling. Other topics explored include classifying of the components of the immune system, the immune response, cancer, and various types of infectious agents.

(4 hours per week with an additional 8 lab hours over the course of the semester)

Prerequisite: BIOL 101 or equivalent.

CHEM 105 - Fundamental Chemistry I (Fall Only)

This course introduces students to the fundamental principles of chemistry. Students examine the characteristics of matter, the chemical and physical properties of the elements. Other topics covered include accurate and precise measurement techniques, trends in the periodic table, chemical naming conventions, and balanced chemical equations.

(3 hours per week with an additional 6 lab hours over the course of the semester)

Prerequisite: None.

CHEM 205 - Fundamental Chemistry II (Winter Only)

This course further develops knowledge of the fundamental principles of chemistry. Topics include the structure of organic compounds, their chemical properties, and their reactions, students gain perspective for future studies in healthcare related fields. This course also introduces the properties of solutions, the concept of molarity, and the importance of water as the universal solvent. Further topics explored include issues related to acids and bases, the pH scale, and chemistry related to the human body.

(3 hours per week with an additional 6 lab hours over the course of the semester)

Prerequisite: CHEM 105

Applied Sciences

GENE 36 - Introduction to Nutrition

This course enhances your knowledge and appreciation of the importance of nutrition to health and well-being and the connection between excess and deficient nutrient intake and ill health. Topics include the Canada Food Guide, the basic nutrients, the processes of digestion/absorption, nutrition related diseases, weight management, and food labels and nutrition information reliability. Students analyze their personal dietary intake and activity level and subsequently plan meal patterns that are conducive to personal health and weight management.

(3 hours per week) Prerequisite: None.

GENE 148 – The Living World *

This course helps you explore the real world, open your eyes to biology, and be awestruck by the beauty, mystery, and diversity of our amazing living world. In this course, you learn to identify local wildlife, discover the beauty and elegance of plants and animals, explore the diverse forms and functions of life, as well as to unveil the bizarre, mysterious, and intricate behaviors used by plants and animals to overcome environmental adversity. Although species identification and natural history are discussed on a global scale in the course, particular attention is paid to Ontario and the local region.

(3 hours per week) Prerequisite: None.

GENE 162 – The Science of Everyday Life *

In this course, students consider basic concepts from a number of scientific disciplines, such as biology, physics, and chemistry. Through the examination of everyday occurrences, the student is introduced to scientific ways of thought and to the problem-solving methods used by scientists. A background in science and math is not required for this course.

(3 hours per week) Prerequisite: None.

PHYS 100 - Introduction to the Physical Sciences (Winter Only)

Students apply critical thinking and problem-solving techniques to physics concepts related to the health science field. Concepts studied include kinematics, forces, work, energy and power, thermodynamics, fluids and pressure, nuclear physics, electrostatics, magnetism, waves and electromagnetic radiation.

(4 hours per week) Co-requisite: MATH 103, MATH 22, or equivalent

Advanced Level Studies

COMM 114 - Communications III (Winter Only)

This course focuses on academic reading and writing and is designed to help students become objective, constructive critics of their own work. Students read expository models in order to examine how published authors put together a piece of writing so that it effectively conveys a well-planned message to a specific audience. Students emulate the techniques and strategies of these models by producing a series of discussion papers and a research paper. By evaluating one another's work in progress in a workshop environment, students develop their editorial skills. Students then use these sharpened critical skills to refine their own writing.
(3 hours per week) Prerequisite: COMM 110 or equivalent.

MATH 42 - Probability and Statistics for Pre-Health Sciences (Winter Only)

This course introduces probability, research methods, and statistics used in the fields of health sciences. The course includes instruction related to probability, data collection techniques, the use of descriptive statistical methods to summarize and present data, the application of Z-scores to calculate probabilities and raw data scores, the use of correlational techniques to determine if two variables are related, and predictive strategies to make predictions from one variable to another.
(4 hours per week) Prerequisite: MATH 22 or equivalent

CHEM 205 - Fundamental Chemistry II (Winter Only)

This course further develops knowledge of the fundamental principles of chemistry. Topics include the structure of organic compounds, their chemical properties, and their reactions, students gain perspective for future studies in healthcare related fields. This course also introduces the properties of solutions, the concept of molarity, and the importance of water as the universal solvent. Further topics explored include issues related to acids and bases, the pH scale, and chemistry related to the human body.
(3 hours per week with an additional 6 lab hours over the course of the semester)
Prerequisite: CHEM 105

BIOL 105 - Fundamental Human Biology (Winter Only)

This course further develops knowledge of biology with a focus shifted toward the human organism and healthcare. This course focuses on the organization of human cell types, organs, organ systems, and cellular signaling. Other topics explored include classifying of the components of the immune system, the immune response, cancer, and various types of infectious agents.
(4 hours per week with an additional 8 lab hours over the course of the semester)
Prerequisite: BIOL 101 or equivalent.

Advanced Level Studies

PSYC 58 - Abnormal Psychology (Winter Only)

This course will introduce and define the concept of abnormal behaviour. It will consider the history and theoretical development of various perspectives on abnormal behavior. Classification and treatment of the major DSM-IV will be considered as well as society's response to maladaptive behavior.

(3 hours per week) Prerequisites: Introductory Psychology or equivalent.

General Education

GENE 6 - Digital Photography

This is an introductory course covering the fundamentals of digital photography, elements of composition, and basic image editing. This course examines the role of photography in society and builds a foundation of compositional skills and aesthetics culminating in the production of visually compelling images. The practical side of digital photography is covered by exploring the various camera parts, functions, and photographic techniques that lead to producing technically sound images. Digital workflow, including image editing and optimization for various purposes, is also covered. Course delivery includes a series of photographic assignments which are edited and optimized in our computer lab. Each student captures and edits digital images to be submitted as required by a series of skill building assignments. The student gains an appreciation of aesthetics and composition through discussions, critiques and writing an artist statement.

(3 hours per week) Prerequisite: None.

*** Note: Students must supply their own digital camera. Functions required: Aperture Priority, Shutter Priority, Program and Full Manual Control.**

GENE 10 – Ahead by a Century: Examining Canada’s History through the Music of The Tragically Hip

One of Kingston’s greatest musical exports has been The Tragically Hip, a band that has often examined important aspects of Canadian history in their music. The Hip never shied away from examining challenging moments of our nation’s past, whether it be residential schools, riots, murder, or politics, all of which are part of Canada’s complex history. This course will examine these moments through the music of the Tragically Hip, unveiling how music such as theirs can teach us about the important aspects of Canadian history that have helped shape our nation.

(3 hours per week) Prerequisite: None.

GENE 25 - Film Studies *

This course is designed to enhance knowledge and appreciation of the greatest twentieth century art form. Students learn about the history of film, how films are made, how the movie industry operates, and how to appreciate and analyze films. The course is essential for anyone who wants to develop a lifelong joy for movie watching whether it is on DVD or the big screen.

(3 hours per week) Prerequisite: None.

GENE 45 - Media and the Arts

This course is designed to enhance knowledge and understanding of how advertising and art are used to communicate through the mass media. Students learn the brief histories and the basic functions of advertising, news, books and magazines, movies, television, radio, music and emerging digital media.

(3 hours per week) Prerequisite: None.

General Education

GENE 53 - Overview of Addictions

The impact of psychoactive drugs on our society is examined in this course. An analysis of the use and impact of alcohol, psychoactive prescription medication, street drugs, over-the-counter drugs, caffeine, nicotine, and problem gambling is conducted. An overview of practical drug concepts, theories of drug abuse, health promotion and prevention and the Ontario addiction treatment system is covered. Students learn how to assess at-risk users and review evidence-based treatment modalities.

(3hours per week) Prerequisite: None.

GENE 57 - Personal Stress Management

This course allows students to plan and implement effective stress management strategies in their personal lives. Students develop an informed understanding of the nature of stress and the stress response including causes, signs and symptoms, effects and impact. The course also focuses on the development of skills to reduce the negative impact of stress and to redirect inevitable stressors to improve health and well-being. Students analyze the impact of stress in their own lives and apply stress management strategies by designing, implementing, and evaluating a personal wellness plan.

(3 hours per week) Prerequisite: None.

GENE 59 - Introduction to Health and Fitness

This course gives students the opportunity to gain knowledge and experience necessary to incorporate fitness into their lifestyles. Classroom sessions and activity components collectively provide a wide variety of fitness and recreational experiences which allow the students the tools necessary to create a personal fitness and overall wellness plan. Students acquire an understanding of healthy lifestyle, active living, fitness components, fitness and recreation programs, stress and leisure, and principles of training. Activity sessions may include exposure to walking/hiking, jogging, aerobics, weight training, various recreational sports, and exposure to some of the latest trends in fitness.

(3 hours per week) Prerequisite: None.

GENE 68 - Spanish Culture and Conversation

Spanish Culture and Conversation provides students with a sound grasp of the basics of the Spanish language upon which they may build more advanced conversational skills. A variety of aspects of Latin American culture are integrated into the course and there are many opportunities to discuss the diversity and influence of this culture globally.

(3 hours per week) Prerequisite: None.

General Education

GENE 71 – Violence Against Girls and Women

This course explores the causes and effects of violence against girls and women. Current theories about violence are used to examine the belief, attitudes, and behaviours that are the elements of every violent act and the social contexts in which violence takes place. Students also develop an understanding of the emotional, psychological and physical effects of violence on the victims and assess community responses to their needs. Issues such as child sexual assault, domestic violence and workplace sexual harassment are addressed.

(3 hours per week) Prerequisite: None.

GENE 73 – Wellness

This course examines the components and influences of personal Wellness. Aspects explored include the emotional, social, physical, intellectual, spiritual and community/environmental contributors to Wellness. It provides students the opportunity to evaluate their own personal health/ well-being in a holistic manner. The knowledge acquired can then be used to assist clients/students to enhance their levels of Wellness.

(3 hours per week) Prerequisite: None.

GENE 148 – The Living World *

This course helps you explore the real world, open your eyes to biology, and be awestruck by the beauty, mystery, and diversity of our amazing living world. In this course, you learn to identify local wildlife, discover the beauty and elegance of plants and animals, explore the diverse forms and functions of life, as well as to unveil the bizarre, mysterious, and intricate behaviors used by plants and animals to overcome environmental adversity. Although species identification and natural history are discussed on a global scale in the course, particular attention is paid to Ontario and the local region.

(3 hours per week) Prerequisite: None.

General Education

GENE 158 - Field to Fork: Introduction to Local and Global Food Systems

In an age of the 4000 km Caesar salad and the 100 mile diet, with 800 million hungry people on Earth and over one billion people overweight, understanding the food system is a hot item on the menu. How do we and how should we eat for the 21st Century? How do we build the sustainable local and global food systems we want? This course explores these questions by following food's circular journey - from the farm fields where heirloom and biotech seeds are sown - into fast food and artisanal cheese factories - out to grocery stores, farmers markets, and restaurants - onto our dinner tables, forks and taste buds - and back to the beginning via composters and landfills. Course content is a wild mix and includes issues like biotechnology, organic farming, globalization, climate change, peak oil, water scarcity, food security, obesity, hunger, and the global food price crisis. It serves as an introduction to practical opportunities and challenges in making food system changes happen on local and global political, economic, and ecological levels.

(3 hours per week) Prerequisite: None.

GENE 162 – The Science of Everyday Life *

In this course, students consider basic concepts from a number of scientific disciplines, such as biology, physics, and chemistry. Through the examination of everyday occurrences, the student is introduced to scientific ways of thought and to the problem-solving methods used by scientists. A background in science and math is not required for this course.

(3 hours per week) Prerequisite: None.

GENE 175 - A History of Indigenous Peoples in Canada

This course examines the history of Indigenous Peoples in the land we now call Canada, from pre-contact to modern times. Students will learn about the diversity among Indigenous Peoples, their world views, and the importance of land and sustenance. They will also discover the ways of living that emerged as a result of geography, and the changes in these ways of living that were brought about by European contact and subsequent colonization processes. Students will briefly explore

(3 hours per week) Prerequisite: None.

GENE 165 - Introduction to Intercultural Communications

This introductory online course highlights the complex and dynamic components of cultural groups and their interactions. Students reflect on their own cultures and learn about others through various theoretical perspectives including Social Science, Interpretive Approach, and Critical Approach. Based on concepts of history, power, and identity, students learn how intercultural communication is affected by language, non-verbal communication, culture shock, popular culture, relationships, and conflict. Students discuss how these theories can be used to examine differences between cultures.

(3 hours per week) Prerequisite: None.

General Education

GENE 302 - Introduction to Personal Finance

This course provides an overview of the personal financial planning process. Students are introduced to the basic elements of resource allocation to achieve personal and financial goals. Course content includes cash management and budgeting, risk management and insurance, estate and tax planning, investments planning and asset allocation, and retirement planning. (3 hours per week) Prerequisite: None.

GENE 304 – Acting for Real Life

This course helps students explore interpersonal skills and styles through the medium of drama. Emphasis is placed on improvisation, situational analysis, use of voice, and use of body language. Students are encouraged to examine how these skills, which are developed in a creative environment, can be transferred to a variety of life situations including interpersonal conflict resolution, building trust, persuasion, presentations, and negotiation. (3 hours per week) Prerequisite: None.

Online Courses

* Online courses are subject to change prior to the semester start date. Check with your program coordinator to discuss availability.

* Internet at home is recommended. For software requirements, consult Online and Continuing Studies: <http://www.stlawrencecollege.ca/parttime/index.htm>

All GAS Students will complete one online course as part of their program. Contact Coordinator for details.

GENE 24 - Ethics and Critical Thinking

This course is designed to teach students how to apply critical thinking concepts to ethical problems. Initially, students learn various aspects of critical thinking and evolve from the knowing stage of critical thinking to the evaluation stage of critical thinking. Students also have an opportunity to explore the ethical process and are exposed to the philosophical aspects of ethical reasoning and progress toward problem solving strategies in relation to controversial issues.

GENE 25 - Film Studies

This course is designed to enhance knowledge and appreciation of the greatest twentieth century art form. Students learn about the history of film, how films are made, how the movie industry operates, and how to appreciate and analyze films. The course is essential for anyone who wants to develop a lifelong joy for movie watching whether it is on DVD or the big screen.

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Online Courses

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GENE 57 - Personal Stress Management

This course allows students to plan and implement effective stress management strategies in their personal lives. Students develop an informed understanding of the nature of stress and the stress response including causes, signs and symptoms, effects and impact. The course also focuses on the development of skills to reduce the negative impact of stress and to redirect inevitable stressors to improve health and well-being. Students analyze the impact of stress in their own lives and apply stress management strategies by designing, implementing, and evaluating a personal wellness plan.

GENE 89 - The Impact of Music on Society

GENE89 is designed to give students a broad understanding of how popular music has evolved over the centuries. Through lectures and several music-themed movies, students explore ways that music becomes popular and, in turn, how that music can influence the society of its time.

GENE 128 - Introduction to Canadian Politics

This course introduces students to Canadian political institutions and key processes. Factors that shaped these governing institutions are examined in historical and philosophical context. Key issues facing Canadians provide a basis for assessing the current relevance and efficiency of Canada's political institutions.

Online Courses

GENE 130 - Society, Culture, and Globalization

This course explores some of the major impacts of globalization on modern society. The effect on society of far-reaching global influences such as politics, history, cultural issues, and uneven resource distribution is discussed. Topics of study include the legacy of colonialism and decolonization, the construction of the Canadian national identity and how it has evolved through cycles of immigration and growing cultural awareness, and the impact of the loss of manufacturing, deindustrialization, and new cultures of commerce.

GENE 158 - Field to Fork: Introduction to Local and Global Food Systems

In an age of the 4000 km Caesar salad and the 100 mile diet, with 800 million hungry people on Earth and over one billion people overweight, understanding the food system is a hot item on the menu. How do we and how should we eat for the 21st Century? How do we build the sustainable local and global food systems we want? This course explores these questions by following food's circular journey - from the farm fields where heirloom and biotech seeds are sown - into fast food and artisanal cheese factories - out to grocery stores, farmers markets, and restaurants - onto our dinner tables, forks and taste buds - and back to the beginning via composters and landfills. Course content is a wild mix and includes issues like biotechnology, organic farming, globalization, climate change, peak oil, water scarcity, food security, obesity, hunger, and the global food price crisis. It serves as an introduction to practical opportunities and challenges in making food system changes happen on local and global political, economic, and ecological levels.

GENE 162 – The Science of Everyday Life *

In this course, students consider basic concepts from a number of scientific disciplines, such as biology, physics, and chemistry. Through the examination of everyday occurrences, the student is introduced to scientific ways of thought and to the problem-solving methods used by scientists. A background in science and math is not required for this course.

(3 hours per week) Prerequisite: None.

GENE 165 - Introduction to Intercultural Communication

This introductory online course highlights the complex and dynamic components of cultural groups and their interactions. Students reflect on their own cultures and learn about others through various theoretical perspectives including Social Science, Interpretive Approach, and Critical Approach. Based on concepts of history, power, and identity, students learn how intercultural communication is affected by language, non-verbal communication, culture shock, popular culture, relationships, and conflict. Students discuss how these theories can be used to examine differences between cultures.

Online Courses

GENE 166 - Urban and Rural Geography

This course covers different aspects of urban and rural life and the effects of population growth, migration, and the changing state of the physical landscape. The issues that inform planners and those that influence the changing landscape (residents, businesses, tourists, food security) are examined including the evolution of rural areas, cities, suburbs, and the influence of land use planning; the effects of global trade and non-farming developments on the rural landscape and agriculture; and current issues in sustainability.

GENE 175 - A History of Indigenous Peoples in Canada

This course examines the history of Indigenous Peoples in the land we now call Canada, from pre-contact to modern times. Students will learn about the diversity among Indigenous Peoples, their world views, and the importance of land and sustenance. They will also discover the ways of living that emerged as a result of geography, and the changes in these ways of living that were brought about by European contact and subsequent colonization processes. Students will briefly explore

(3 hours per week) Prerequisite: None.

Trades Labs

*** Priority for Trades courses is given to students studying in the Pre-Trades stream. Please contact your program coordinator for details.**

TRAD 1 - Pre-Trades Plumbing (Winter Only)

This course will provide an introduction to the Plumbing Trade. Each student will gain practical hands on experience by working in the Plumbing shop. Projects will focus on developing fundamental skills needed to pursue a career in the plumbing trade. There will be various projects that each student will safely fabricate, such as residential piping systems using threaded black iron piping, soldering, solvent welded, plastic piping, and mechanical joint and fittings.

(3 hours per week). Prerequisite: None.

TRAD 2 - Pre-Trades Carpentry (Fall Only)

This course will provide an introduction to the carpentry trade; students will gain practical hands on experience by working in the carpentry shop. Projects will focus on developing fundamental skills needed to pursue a career in carpentry. Projects will include measuring, cutting, and shaping wood and wood products, as well as the construction of a wood framed structure. During scheduled lab times, theory material will be presented on a one-on-one basis as well as group teaching.

(3 hours per week). Prerequisite: None.

TRAD 3 - Electrical Circuits (Winter Only)

From this course, students will gain a practical knowledge of how simple AC and DC circuits are designed and constructed, how to measure current, voltage, power and frequency. Students will be introduced to the proper safety procedures when working with electricity. In addition they will assemble a residential electrical service and ancillary equipment, DC lighting circuits, low voltage communication and signaling systems and home automation systems, examine wiring types and requirements, fiber optics, protection and grounding, electrical enclosures, and conduits. Students will also demonstrate the safe and proper handling and storage of hand and power tools, and electrical materials commonly used in the electrical industry.

(3 hours per week). Prerequisite: None.

TRAD 4 - Introduction to Machining (Winter Only)

The focus of this course is centered on experiential learning and explores the skills of the Machinist and the Millwright Trade. Each student will use a variety of equipment and tools used in a Machine Shop environment and will fabricate a small hammer following a drawing and its specifications. Machine shop safety and the proper use of milling machines, lathes, power saws, grinders, drill press' and hand tools will be taught and the final project will be assessed.

(3 hours per week). Prerequisite: None.

Trades Labs

TRAD 5 - Pre-Trades Brick and Stone (Fall Only)

This course will provide hands on construction of Masonry walls. Projects will include using different size blocks and installing brick veneers .This course will provide certain skills in laying out and constructing Masonry projects needed to pursue a career in Masonry. (3 hours per week). Prerequisite: None.

General Arts and Science: Graduation Calculation Information

Students in the General Arts and Science program who intend to graduate with a certificate or diploma must meet certain requirements, regardless of the stream of study. Please review the graduation information detailed below and meet with your program coordinator to ensure that you have the necessary requirements (or equivalents, where relevant).

Note: Graduation requirements are a combination of required courses and hours.

Certificate Requirements (K0478) * Depending on the stream of study, there may be additional or alternative required courses.

Required Courses	Credit	Grade	Hours
COMM 110 or equivalent			
COMM 13 or equivalent			
1 computer course (45 hours minimum)			
1 personal development			
1 social science or applied science			
2 general education courses			
1 online course			
Additional credit hours for a total of 500 hours			
Total Hours			

Diploma Requirements (K0550) * Pre-university students have additional recommended courses

Required Courses	Credit	Grade	Hours
COMM 110 or equivalent			
COMM 13 or equivalent			
2 communications courses			
1 computer course (45 hours minimum)			
1 math course			
2 personal development			
1 social science (psychology or sociology)			
1 applied science			
2 general education courses			
1 online course			
The remaining courses are electives and may be chosen from any discipline. A minimum of 1080 hours is required to graduate with an Arts and Science Diploma			
Total Hours			