THE ARTS
- Contemporary Music & Technology
- Digital Arts & New Media
- Kootenay Studio Arts
  - Blacksmithing
  - Bronze Casting
  - Ceramics Studio
  - Jewelry Studio
  - Open Studio
  - Sculptural Metal
  - Studio Arts Diploma
  - Textiles Studio

ENVIRONMENT & GEOMATICS
- Forest Technology
- Geographic Information Systems
- Integrated Environmental Planning Technology
- Recreation, Fish & Wildlife Technology

SELKIRK INTERNATIONAL
- Advanced Diploma in TESOL (Teaching English to Speakers of Other Languages)
- English Language Program
- International Study Abroad Program

BUSINESS
- Business Administration
  - Accounting and Finance
  - Professional Management

UNIVERSITY ARTS & SCIENCES
- ARTS
  - Anthropology
  - Creative Writing
  - Economics
  - English
  - French
  - History
  - Peace & Justice Studies
  - Psychology
  - Sociology
  - Spanish
  - Women's Studies

- SCIENCES
  - Astronomy
  - Biology
  - Chemistry
  - Computer Science
  - Geography
  - Geology
  - Engineering
  - Mathematics
  - Physics
  - Rural Pre-Medicine
  - Statistics

BACHELOR DEGREE PROGRAMS
- Bachelor of Education – University of British Columbia, post-baccalaureate program
- Bachelor of Geographic Information Systems – Selkirk College, baccalaureate credential
- Bachelor of Science in Nursing – University of Victoria, baccalaureate credential

POST-GRADUATE DIPLOMA PROGRAMS
- Business Administration
- Accounting
- Culinary Management
- Hospitality Management
- Gerontological Nursing

ACADEMIC UPGRADING & DEVELOPMENT
- BC Adult Graduation Diploma
- Upgrading (formerly Adult Basic Education)
- Adult Special Education
- Essential Skills
- Literacy

DISTANCE EDUCATION/ONLINE PROGRAMS*
- Medical Transcription, Editing and Documentation
- BC Electrical Code
- Gerontology
- Golf Club Operations
- Nursing Unit Clerk
- Pharmacy Technician
- Refrigeration Plant Operator
*Individual courses are also offered through distance/online learning.

COMMUNITY EDUCATION & WORKPLACE TRAINING
Personal and professional development courses are available through many of our campus locations. To view the current list of Community Education courses, visit selkirk.ca/ce

CO-OP EDUCATION
Integrate paid work experience with your studies and develop relevant employment skills, confidence through real world experiences, a competitive edge and realistic expectations of the workforce. Visit selkirk.ca/coop

TRANSITIONS FOR HIGH SCHOOL STUDENTS
If you are a grade 10–12 student, you have the opportunity to participate in post-secondary programs that fit YOUR interests, personality and style of learning—all while earning credits towards high school and college graduation. For more information visit selkirk.ca/transitions

HUMAN SERVICES
- Classroom & Community Support Worker
- Early Childhood Care & Education
- Human Services Diploma
  - Child & Youth Care Specialty
  - Early Childhood Care & Education Specialty
  - Social Service Worker Specialty
- Mental Health & Addictions
- Social Service Worker

HOSPITALITY, TOURISM & COSMETOLOGY
- Culinary Management
- Golf Club Operations Online
- Hairdressing
- Professional Cook Training
- Resort & Hotel Management
- Ski Resort Operations & Management

INDUSTRY & TRADES TRAINING
- BC Electrical Code
- Carpentry Foundation & Apprenticeship
- Electrical Foundation & Apprenticeship
- Fine Woodworking Foundation
- Heavy Mechanical Foundation
- Metal Fabricator Foundation
- Millwright/Machinist Foundation
- Plant Operator
- Welding

LIBERAL ARTS DIPLOMAS
- Peace and Justice Studies
- Creative Writing Studies
- Law and Justice Studies

FLEXIBLE PRE-MAJOR:
- Anthropology
- English
- Psychology
- Sociology

THREE YEAR PROGRAMS
- Rural Pre-Medicine

 selkirk.ca/programs
This information guide will help you navigate selkirk.ca with a list of key links to relevant processes and services. On the reverse side you will find a complete listing of programs and their web locations to seek out further information such as course descriptions.

Admission Requirements
All students must satisfy the general admission requirements for the college as well as the stated requirements for their program. For detailed admission information visit:

- selkirk.ca/admission-requirements
- selkirk.ca/apply
- selkirk.ca/services/crt
- selkirk.ca/english-proficiency
- selkirk.ca/aboriginal-services
- selkirk.ca/accessibility-services
- selkirk.ca/assessment-services
- selkirk.ca/coaching-for-success
- selkirk.ca/caffeine-services
- selkirk.ca/early-alert-support-system
- selkirk.ca/healthy-campus
- selkirk.ca/learning-success-centre
- selkirk.ca/options-for-sexual-health
- selkirk.ca/writing-centre

Financial Aid
Our Academic Policies are available online at:

- selkirk.ca/financial-aid
- policies.selkirk.ca/college
- selkirk.ca/full-time-part-time

Campus Services

- BOOKSTORE
  selkirk.ca/bookstore
- CHILDCARE SERVICES
  selkirk.ca/childcare-services
- DUPLICATING SERVICES
  selkirk.ca/duplicating-services
- FOOD SERVICES
  selkirk.ca/food-services
- IT SERVICES
  selkirk.ca/it-services
- LIBRARY
  selkirk.ca/library
- RESIDENCE SERVICES
  selkirk.ca/residence-services

Student Support Services

- ABRIGIUNAL SERVICES
  selkirk.ca/aboriginal-services
- ASSESSMENT SERVICES
  selkirk.ca/assessment-services
- CAREER CENTRAL
  selkirk.ca/career-central
- CO-OP EDUCATION & EMPLOYMENT SERVICES
  selkirk.ca/cees

Athletics & Recreation

- SELKIRK SAINTS
  selkirk.ca/saints
- CAMPUS RECREATION & ATHLETICS
  selkirk.ca/athletics
- CASTLEGAR FACILITIES
  selkirk.ca/castlegar-facilities
- NELSON FACILITIES
  selkirk.ca/nelson-facilities

Fees
Tuition and other fees for your specific program can be found on the program page at:

- selkirk.ca/programs
- selkirk.ca/withdrawal-refunds
- selkirk.ca/miscellaneous-fees
- selkirk.ca/coaching-for-success
- selkirk.ca/counselling-services
- selkirk.ca/financial-aid

Academic Regulations

Our Academic Policies are available online at:

- selkirk.ca/academic-regulations
- selkirk.ca/finanical-aid
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Program Summary

Adult Special Education (ASE) offers workplace training programs leading to certification and employment opportunities.

IN ASE LEARNERS WILL
- Build on strengths and interests
- Identify and achieve goals
- Build self-awareness and learn to work with others
- Develop resources and support networks
- Develop useful workplace skills
- Increase math, English and computer skills

THREE LEVELS OF PROGRAMMING
- Discovery, a foundation phase
- Mastery, a specialization phase
- Mentoring, an enhancement and transition phase

All levels include skills in communication, employability, technology, interpersonal relations, customer service and literacy.

- The Discovery Programs include hands-on, experiential education designed to prepare students for success in a variety of workplace, volunteer, and community settings, as well as foundational academic and life skills to prepare students for life-long learning.
- Mastery programs include Entrepreneurship and Crafting; Applied Arts; Agriculture and Sustainability; Food Service Worker; and Retail Support. Each centre offers the program(s) suitable for their students and community.
- Mentoring is a capstone phase focusing on mentoring new students and transitioning successfully beyond college.

PROGRAMMING & LOCATIONS

Adult Special Education (sometimes called Transitional Training) prepares adults with special needs or disabilities to participate more fully in daily life within their communities.

Our Mission is to nurture interdependence and independence through meaningful learning. Build upon unique personal strengths, confidence, awareness, and skills to be a contributing member of our community. Personal and social development underlies all aspects of these programs.

ASE gives adults with disabilities the chance to flourish in a supportive college setting. An individual plan is developed with each student to foster academic, personal and social skills in a cooperative learning environment. All programs incorporate life skills, math, computer and English skills. There is a strong focus on building community within the classroom and engaging in the community outside of the classroom. Students develop support networks. All of these aspects build Employability Skills.

Nelson offers a full or part-time program. Contact Silver King Campus.

Castlegar offers a part-time program. Contact Castlegar Campus

Grand Forks offers a part-time program. Contact Grand Forks Learning Centre.

Trail offers a Food Service Worker program, running a full service cafeteria and catering functions and banquets in the greater Trail area. Trail offers a full or part-time program. Contact Trail Campus.

Application Information

HOW TO APPLY
- Step One: Contact Upgrading Advisor intake coordinator at a campus near you.
- There are no admission requirements, everyone is welcome.
- If you want to get started, fill out a general application form and then get in touch with an Upgrading representative near you.

If you have any questions regarding the application process, contact Kate Nott by email or call 250.354.3230.
Program Courses

AGRC 20 - INVASIVE, NATIVE, LOCAL AND IMPORTED PLANTS
Invasive, Native, Local and Imported Plants introduces students to the local community in relation to local agriculture, invasive and native plants, and food security. Students will explore local agriculture and meet with local community agencies to build upon their knowledge and understanding of food, agriculture and related issues. Students will develop positive communication techniques, build confidence and demonstrate positive behaviors essential for building a successful workplace relationship.

AGRE 20 - EXPLORING GARDEN BASICS
Exploring Garden Basics introduces students to basic gardening techniques and gardening knowledge. Students will identify plants, common weeds, garden techniques, types of gardens and learn how to design a basic garden to achieve seasonal sustainability. Furthermore, students will develop skills and habits essential for employment, demonstrate safe work practices, and practice effective workplace communication.

AGRS 20 - PLANTING GARDENS
Planting Gardens - Skill Building 1 provides students with the opportunity to build garden planters and plant flowers, herbs, and vegetables. The focus will be on gaining the specific skills associated with gardening, safety and tool usage. Students will also learn problem-solving strategies, self-management skills, workplace etiquette for task completion, and awareness of quality workmanship.

ARTC 20 - ART APPRECIATION AND COMMUNITY CONNECTIONS
Art Appreciation and Community Connections provides students with the opportunity to conduct research in the local community to learn how they can make change, total sales, create bank deposits, count floats, and monitor inventory flow.

CART 20 - CREATING ART
Creating Art - Skill Building 1 explores a specific type of art so that students learn skills beyond a more basic level, as their abilities allow them to at this time. The intention is that once students have gathered an overall appreciation of art in a general sense within a theme, they can now begin to explore a selected type of art within that theme. The focus of this course is to develop a mastery of skills and ensure quality production.

CASH 20 - CASH FLOW, MONEY AND INVENTORY
Cash flow, Money and Inventory 1 focuses on the cash flow and movement of inventory within a business. Students will work at the cashier, count money, make change, total sales, create bank deposits, count floats, and monitor inventory flow.

COMU 15 - EFFECTIVE COMMUNICATION 1
Effective Communication 1 explores the various elements of communication. Students will examine the different ways in which we communicate and participate in communication with others. Topics include: elements of communication, questioning techniques, active listening, and basic technological skill development.

CPRJ 20 - COMMUNITY PROJECT 1
Community Project 1 provides students with an experiential learning opportunity. Students will collaborate together to design and execute a community-based project. The project will highlight skill areas in teamwork, communication, community connections, budgeting, project planning and project completion.

CUST 20 - CUSTOMER SERVICE 1
Customer Service 1 provides students with the knowledge and skills associated with customer service. Topics include: aspects of the retail sector, communication skills, conflict resolution strategies and principles of customer service excellence.

DISC 15 - DISCOVERY OF SELF, OTHERS AND COMMUNITY 1
Discovery of Self, Others and Community 1 provides students with the steps and processes required to assess their skills, abilities, habits, areas of excellence, performance, compatibility with others and job roles, and areas for growth and development. Throughout the course, students will have the time to reflect upon self, others and the many opportunities available within their community. Students will research resources for self-advocacy, education, employment and social opportunities that can heighten their lives.

EMPS 15 - EMPLOYABILITY AND WORKPLACE SKILLS 1
Employability and Workplace Skills 1 provides students with hands-on learning opportunities for developing essential employability skills. Students will practice valuable workplace skills that are transferrable to any work place. Topics include: feedback reception, cooperative work habits, and asking for help.

ENTE 20 - EXPLORING THE MARKET 1
Exploring the Market 1 explores the current market related to the students’ business ideas. Students will find out about the local business scene, and reach out to business leaders to find out what it means to be a business-person. A focus will be on mentorship exploration and connections.

FSW 20 - FOOD HANDLING 1
Food Handling 1 focuses on the aspects of food handling and preparation skills. The course topics are food knowledge and food preparation techniques.
INTS 15 - INTERPERSONAL SKILLS I
Interpersonal Skills I helps students by developing interpersonal skills essential for employment and to succeed in workplace activities. Students will learn about positive attitudes, appropriate behaviours, and strategies for getting along with others.

JOBS 15 - JOB SEARCH 1
Job Search I guides students through the job search process. Topics include resume writing strategies, conducting a thorough job search, contacting local support agencies, and practicing common interview questions.

LMAT 15 - LIVING MATH 1
Living Math I helps students develop skills in numeracy. Topics will include budgets, wages, coin and paper money, calculator skills, organizational tools, shopping skills, and basic number operations.

SAFE 20 - SAFETY ON THE JOB SITE
Safety on the Job Site I introduces students to what makes for a safe and healthy workplace. Topics include health and safety principles, rights and responsibilities of the employer and employee, Worksafe BC, and hazard recognition in the worksite.

TECA 15 - ADVANCED TECHNOLOGY I
Advanced Technology I helps students develop computer and social media skills. Students will share their skills in a collaborative learning approach and develop strategies for safe online habits. Topics include: Excel, Powerpoint or Prezi presentations, email, Facebook, Instagram, Twitter, Publisher, and photo editing.

WELL 15 - HEALTH AND WELLNESS 1
Health and Wellness I helps students to develop an understanding of health and wellness that will help them meet their personal, educational and employment goals. Students will describe their own mental, emotional, physical and spiritual health; create goals for health management; and research resources for assistance, benefits, and goal achievement.

Contacts

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Anthropology
selkirk.ca/anthropology

LENGTH OF STUDY: Up to One Year
ACCREDITATION: Associate Degree or Flexible Pre-Major
CAMPUS: Castlegar Campus

Program Summary
If you are someone who has wondered what it mean to be human and why do humans behave the way they do, then anthropology is for you.

PROGRAM OVERVIEW
Anthropologists study humans and non-human primates. Anthropology is both a science and a social science, depending on the area of focus. Anthropologists study all peoples (and primates), in all places, throughout time. The difference between anthropology and other disciplines is the way anthropologists approach their studies: comparatively and holistically. At Selkirk College, the focus is more on the social science side of the discipline. There are seven, first and second-year anthropology courses at Selkirk College to choose from.

– ANTH 100 - Introduction to Anthropology I
– ANTH 101 - Introduction to Anthropology II
– ANTH 110 - Introduction to Biological Anthropology
– ANTH 201 - Ethnic Relations
– ANTH 205 - Anthropology of Religion
– ANTH 210 - Introduction to Archaeology
– ANTH 211 - Archaeology Field Methods

FLEXIBLE PRE-MAJOR
A flexible pre-major (FPM) refers to first and second-year courses that students are required to complete in order to be admitted to a major at the third-year level. With FPM agreements in place across many institutions, you can plan your first and second-year courses and leave open multiple options for transferring into various other post-secondary institutions for entrance into the major at the third-year level.

The Flexible Pre-Major in Anthropology requires that students take:

– at least one lower level introductory (either first or second year) Anthropology course of at least three credits in each of the three sub-disciplinary areas – social / cultural, biological / physical, and Archaeology. (In cases where an introductory course combines physical / biological with Archaeology, a second course focusing on one or the other of the two sub-disciplinary areas still needs to be taken. Any or all of these courses may be taken at the second year level.)
– a second year general introductory research methods course of at least three credits. (If such a course is not available in the Anthropology department, a comparable course provided through another discipline such as Sociology or Psychology may substitute.)
– a minimum of five lower level (either first or second year) Anthropology courses, or at least fifteen credits of programming, inclusive of the requirements for introductory courses and research methods. (For those receiving departments expecting Anthropology majors to take six lower level Anthropology courses, the additional course or credits may be taken in year three of the major program.)
– in total, a Flexible Pre-Major that consists of five courses (15 credits.)

CAREER POTENTIAL
Anthropology is a field that provides enormous flexibility in meeting the demands of an ever-changing labour market. The critical thinking, research, analytical and writing skills are applicable to multiple fields. Two of the fastest growing areas of the discipline are in business development, marketing and branding, and in health-care related fields. Anthropologists are in higher demand in the United States than MBAs because of their broader skill set. There are numerous paths that an anthropology degree can take you, besides being a teaching professor.

These include:

– Human Resources
– Marketing and Branding
– Management Consultant
– Law
– Consulting with or for aboriginal peoples
– Health Care and Human Services
– Urban Planning
– Environmental Consultant
– Policy Analyst
– Cultural work (Museums, Libraries)
– Conservation
– Both large-scale and grassroots development work

Contacts
University Arts & Sciences Admissions Contact
Admissions Officer (Castlegar)
Phone: 1.888.953.1133 ext 21233
Direct: 250.365.1233
Email: admissions@selkirk.ca

PROGRAM CONTACT
Phone: 1.888.953.1133 ext 21205
Direct: 250.365.1205
Email: UAS@selkirk.ca
Program Summary

Our self-directed, fully distance certificate program gives you flexibility to work at your own pace and get the results you want to advance your career.

Divided into 10 lessons and 10 assignments our BC Electrical Code course offers you access to tutorial help. You'll learn about the fundamentals of the rules and regulations governing Canadian electrical work, installation and the calculations you'll need. This course is administered through Community Education.

You'll use the 2015 Canadian Electrical Code (23rd edition) to gain valuable knowledge and training in:

- BC Authorization Procedures For Electrical Contractors
- BC Bulletins, Amendments, General and Electrical Safety Regulations
- Correct Interpretations Of Applicable Code Rules
- Proper Use Of The Code Book
- The BC Safety Standards Act

The course is designed to help students navigate through the code book. You will gain a fundamental understanding of the rules and regulations governing the installation of electrical work. You will gain knowledge of the calculations that are a large part of the code regulations. Many examples are included in the coursework.

DURATION

The course work is challenging, however most students that are able to devote a few hours per week to the assigned work can complete this course within six months. Students who already have some familiarity with the Code will likely be able to finish the course in less time. Maximum time allowed for completion is eight (8) months.

TECHNICAL SAFETY BC RECOGNIZED

In British Columbia, if you wish to be named on an Electrical Permit or an Electrical License or if you wish to sign a declaration for a particular project, you must be qualified as a Field Safety Representative (FSR). You will then have responsibility for code compliance of that project. A FSR named on an application for an operating permit or contractor’s licence must, in addition to the duties of a FSR,
Program Summary

Our self-directed, fully distance certificate program gives you flexibility to work at your own pace and get the results you want to advance your career.

Divided into 5 lessons and 5 assignments our BC Low Energy Code course offers you access to tutorial help. You’ll learn about the fundamentals of the rules and regulations governing Low Energy electrical work and installation. This course is administered through Community Education. You’ll use the 2015 Canadian Electrical Code (23rd edition) to gain valuable knowledge and training in:

- BC Authorization Procedures For Electrical Contractors
- BC Bulletins, Amendments, General and Electrical Safety Regulations
- Correct Interpretations Of Applicable Code Rules
- Proper Use Of The Code Book
- The BC Safety Standards Act

The course is designed to help students navigate through the code book. You will gain a fundamental understanding of the rules and regulations governing the installation of electrical work.

DURATION

The course work is challenging, however most students that are able to devote a few hours per week to the assigned work can complete this course within four months. Students who already have some familiarity with the Code will likely be able to finish the course in less time. If students require more time, they have the option to purchase a one-month extension. The student will be allowed a maximum of two extensions.

TECHNICAL SAFETY BC RECOGNIZED

In British Columbia, if you wish to be named on an Electrical Permit or an Electrical License or if you wish to sign a declaration for a particular project, you must be qualified as a Field Safety Representative (FSR). You will then have responsibility for code compliance of that project. A FSR named on an application for an operating permit or contractor's licence must, in addition to the duties of a FSR,

represents the operating permit holder or licensed contractor in code, technical and worker qualification matters that are within the scope of the Field Safety Representative's certificate of qualification.

To become a FSR you are required to show evidence of having successfully completed a course in the application of electrical codes and standards required by the provincial safety manager and to pass a Technical Safety BC exam. This course qualifies as 'recognized' by Technical Safety BC (formerly known as BC Safety Authority).

Admission Requirements

This is a continuous intake program.

In order to be recognized by Technical Safety BC (formerly known as BC Safety Authority) for application for a Class LO Energy Field Safety Representative, the student should have one year relevant experience.

Contacts

Community Education & Workplace Training Contact
Program Contact
Phone: 866.301.6601 x13220 ext 13266
Direct: 250.354.3220
Fax: 250.352.3180
Email: NelsonCE@selkirk.ca

JIM PATERSON
Instructor
Phone: 250.354.3291
Email: code@selkirk.ca

INDUSTRY AND TRADES CONTACT
Program Contact
Phone: 1.888.953.1133 ext 13221
Direct: 250.354.3221
Fax: 250.352.3180
Email: trades@selkirk.ca
## Course of Studies

The following is a suggested mix of courses to satisfy requirements for the associate of science degree in biochemistry. Courses should always be chosen in consultation with a Selkirk College counsellor.

### Notes:

Students transferring to SFU should choose CPSC 100 as their elective. Students transferring to UCBO should choose CHEM 222 as their elective. Students are advised to ensure that their course selections will meet the degree requirements of the subsequent institution(s) they plan to attend.

### Year 1

#### SEMESTER 1

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<tr>
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<td>PHYSICS A</td>
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**Total 15**

#### SEMESTER 2

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<td>CHEM 125</td>
<td>Foundations of Chemistry II</td>
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<td>PHYSICS B</td>
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**Total 16**

### Year 2

#### SEMESTER 3

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<td>BIOL 212</td>
<td>Microbiology</td>
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<td>Introductory Biochemistry</td>
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<td>CHEM 213</td>
<td>Organic Chemistry II</td>
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**Total 15**

## Program Summary

Are you fascinated by living organisms and their biological molecules?

### PROGRAM OVERVIEW

Also called “biological chemistry,” this growing field of scientific study explains how living organisms survive and thrive through their internal chemical processes. Biochemical research is one of the most successful fields at examining living processes and today is part of almost all areas of life sciences research. As a professional biochemist you’ll make valuable contributions to this vital research and set your path for career success. Take this program if you’re fascinated by living organisms and how their biological molecules contribute to the functioning of their entire beings. Take this program if you’re fascinated by life in general and want to understand its complex scientific inner workings and play an active role in discovering more about living beings’ interconnectedness.

### COURSES INCLUDE

You’ll get the basics you need to take further education in biochemistry as you study diverse subjects like:

- Writing composition
- Poetry and drama
- Biology
- Chemistry
- Calculus
- Physics
- Literature and prose fiction
- Organic chemistry
- Cell biology
- Microbiology
- Biochemistry
Admission Requirements

Admission to the Associate of Science degree in Biochemistry program requires the completion of Biology 12, Chemistry 11, English 12, Physics 11 with a grade of “C” or higher and Pre-Calculus 12 or Principles of Math 12 with a grade of “C+” or higher.

Program Courses

- FIRST OR SECOND YEAR ARTS REQUIREMENT

Students may take any first- or second-year UAS Arts elective (Humanities or Social Sciences) excluding your major discipline.

BIOL 104 - BIOLOGY I

A course designed for those students who require first year biology in their program of study or who wish to go on to further study in biology. The course includes cell biology, biochemistry, and an examination of the processes of life in the plant and animal body. A strong emphasis is placed on the development of critical thinking skills through problem solving, research design, and laboratory analysis.

Pre-requisites: BIOL 12 or equivalent and CHEM 11 or equivalent. Students lacking the stated prerequisites may enrol in the course with written permission of the School Chair; however, they should be aware that they will be required to do additional work. This course is available via Distance Education, but requires attendance at weekly on-site labs.

BIOL 106 - BIOLOGY II

Along with BIOL 104 (Biology I), this course provides an overview of the study of living things. Biology 106 presents topics in population, community and ecosystem ecology, and classical and molecular genetics. Evolution provides a unifying theme for the course. A strong emphasis is placed on the development of critical thinking skills through problem solving, case studies and laboratory investigation.

Pre-requisites: BIOL 104 with a grade of “C” or better or written permission of the Instructor and School Chair.

BIOL 202 - PRINCIPLES OF GENETICS

This course provides the student with a knowledge of classical and reverse genetics. Topics covered include Mendelian inheritance, chromosome theory of heredity, sex determination, mutation, the structure and function of genes, molecular genetics, and the genetic structure of populations. Experimental techniques used in molecular genetics are also introduced.

Pre-requisites: BIOL 104 and 106 with a grade of “C” or better, or written permission of the Instructor and School Chair.

BIOL 204 - CELL BIOLOGY

This course provides the student with a thorough knowledge of cell structure and function. Topics covered include biomolecules, membranes, organelles, cell movement, cell signaling, gene regulation, and transcription and translation. Experimental techniques used in modern cellular and molecular biology are also introduced.

Pre-requisites: BIOL 104 and 106 with a grade of “C” or better, or written permission of the Instructor and School Chair.

BIOL 206 - INTRODUCTORY BIOCHEMISTRY

This course provides an introduction to biochemistry including protein structure and function, and representative catabolic and anabolic pathways. Topics covered include water, enzyme kinetics and enzyme structure and function. Experimental techniques used in biochemistry and molecular biology are also introduced.

Pre-requisites: BIOL 104 and 106 with a grade of “C” or better, or written permission of the Instructor and School Chair. NOTE: Students are advised to take CHEM 212 as a prerequisite to BIOL 206.

CHEM 212 - ORGANIC CHEMISTRY I

CHEM 212: Organic Chemistry I, explores the relationship between the structures of carbon-containing molecules and their physical and chemical properties. Some topics from first-year general chemistry are reviewed briefly: alkanes, stereoisomerism, alkenes, and nucleophilic substitution and elimination reactions of alkyl halides. The correlation between structure and acidity is investigated, and the chemistry of alkynes and alcohols is examined. Structure-determination techniques, including IR and NMR, are explored. The laboratory work for this course provides practical experiences with separation/purification techniques, molecular synthesis, and qualitative analytical methods applied to organic compounds.

Pre-requisites: CHEM 125 with a grade of “C” or better, or written permission of the Instructor and School Chair.

CHEM 213 - ORGANIC CHEMISTRY II

CHEM 213: Organic Chemistry II is a continuation of CHEM 212. The survey of organic families is continued with a study of aldehydes and ketones, carboxylic acid derivatives, aromatics and amines. The chemistry of a variety of compounds of biological interest is also discussed. The laboratory work involves synthesis and organic structure determination.

Pre-requisites: CHEM 212 with a grade of “C” or better, or written permission of the Instructor and School Chair.

- CHEMISTRY REQUIREMENT: CHEM 110 OR CHEM 122

Students requiring first-year chemistry have a choice of Chemistry 110 or Chemistry 122.

- CHEM 110: Fundamentals of Chemistry
- CHEM 122: General Chemistry I

- ENGLISH REQUIREMENT: ENGL 110 OR ENGL 112

Students requiring first-year English have a choice of the English 110/111 sequence and the 112/114 sequence.

- ENGL 110: College Composition
- The 110/111 sequence is focused on the development of academic writing and research.
- ENGL 112: Introduction to Poetry and Drama
- The 112/114 sequence is focused on the interpretation of literature.
- ENGLISH REQUIREMENT:
  ENGL 111 OR ENGL 114
  Students requiring first-year English have a choice of the English 110/111 or the 112/114 sequence. The 110/111 sequence is focused on the development of academic writing and research.
  - ENGL 111 - Introduction to Literature
  - The 112/114 sequence is focused on the interpretation of literature.
  - ENGL 114 - Introduction to Prose Fiction

MATH 100 - CALCULUS I
  A course designed to provide students with the background in calculus needed for further studies. This course includes: a review of functions and graphs; limits; the derivative of algebraic, trigonometric, exponential and logarithmic functions; applications of the derivative including related rates, maxima, minima, velocity and acceleration; the definite integral; an introduction to elementary differential equations; and, applications of integration including velocity, acceleration, areas, and growth and decay problems.
  Pre-requisites: Pre-calculus 12, Principles of MATH 12 or equivalent with a grade of "C+" or better or written permission of the Instructor and School Chair.

MATH 101 - CALCULUS II
  This course is a sequel to MATH 100 for those students who wish to major in mathematics, sciences or applied sciences. The course includes: antiderivatives; integration; the definite integral; areas and volumes; transcendental functions; techniques of integration; parametric equations; polar coordinates; indeterminate forms, improper integrals and Taylor's formula; and infinite series.
  Pre-requisites: MATH 100 or equivalent with a grade of "C" or better or written permission of the Instructor and School Chair.

- PHYSICS REQUIREMENT:
  PHYS 102 OR PHYS 104
  Students requiring first-year physics have a choice of Physics 102 or Physics 104.
  - PHYS 102: Basic Physics I
  - PHYS 104: Fundamental Physics I

- PHYSICS REQUIREMENT:
  PHYS 103 OR PHYS 105
  Students requiring first-year physics have a choice of Physics 103 or Physics 105.
  - PHYS 103: Basic Physics II
  - PHYS 105: Fundamental Physics II

STAT 206 - STATISTICS
  This course provides an introduction to statistical methods intended for students of Engineering or the Sciences. Descriptive statistics, probability and inferential statistics are covered at a level appropriate for students with some calculus background. The students will learn to calculate confidence intervals and perform hypothesis testing for experiments involving one and two samples. Linear regression and correlation may be introduced if time permits.
  Pre-requisites: Math 100 or Math 140 or an equivalent calculus course that introduces integral calculus.

- GENERAL UAS ELECTIVE
  A student may take any first-year or higher university transferable course to satisfy this elective. Each course must transfer for three or more credits to at least one of: SFU, UBC (Vancouver or Okanagan), UNBC or UVIC. To learn more about how your courses transfer visit the online BC Transfer Guide or contact a Selkirk counsellor.

Contacts
University Arts & Sciences Admissions Contact
Admissions Officer (Castlegar)
Phone: 1.888.953.1133 ext 21233
Direct: 250.365.1233
Email: admissions@selkirk.ca

PROGRAM CONTACT
Phone: 1.888.953.1133 ext 21205
Direct: 250.365.1205
Email: UAS@selkirk.ca

TRACY PUNCHARD
School Chair of UAS; Instructor, English
Phone: 1.888.953.1133 ext 21318
Direct: 250.365.1318
Email: tpunchard@selkirk.ca
Course of Studies
The following is a suggested mix of courses to satisfy requirements for the associate of science degree in biology. Courses should always be chosen in consultation with a Selkirk College counsellor.

Notes:
Students transferring to UBC, UBCO or TRU should choose BIOL 212 as an elective. Students are advised to ensure that their course selections will meet the degree requirements of the subsequent institution(s) they plan to attend.

Year 1

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<th>SEMESTER 1</th>
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Total 16

Year 2

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<td>CHEM 212</td>
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Total 15

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<td>CHEM 213</td>
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Total 15

LENGTH OF STUDY:
2 Years

ACCREDITATION:
Associate of Science in Biology and Transfer to BSc

CAMPUS:
Castlegar Campus

Program Summary
Get hands-on experience learning how living beings function, evolve and interact with each other, as you gain a deeper understanding of our world's biospheres.

PROGRAM OVERVIEW
Selkirk College offers a great start to an undergraduate degree in biology. Complete your first two years in our learner-centered environment! Please also refer to our Rural Pre-Medicine Program which is the first one of its kind in Canada. The courses in the RPM program also offer the ability of students interested in health sciences to complete their first two years at Selkirk College. If biology isn't your passion, but you need it for another program or degree that you are interested in, we offer a variety of biology courses that are relevant for non-biology majors as well.

WHO SHOULD STUDY BIOLOGY?
Biology is the science of life, so it is relevant to everyone! If you like biology, you are curious about living creatures. You might be interested in learning about the complex structure of a bacterium, an insect, a plant or maybe you are interested in human health. You might also like exploring how intricate genetic, biochemical and physiological processes work. Or, perhaps you enjoy learning how organisms interact with their environment and how ecosystems function.

CAREER OPPORTUNITIES
Agronomist, Biochemical Engineer, Biochemist, Bioinformatician, Biostatistician, Cell Animator, Cell Biologist, Conservation Biologist, Cosmetic/Perfume Maker, Dentist, Ecologist, Environmental Lawyer, Environmental Technician, Fish and Wildlife Officer, Forensic Specialist, Geneticist, Horticulturalist, Hospital Administrator, Journalist-Scientific, Laboratory Technician, Marine Biologist, Medical Doctor, Medical Illustrator, Medical Librarian, Medical Microbiologist, Nurse, Nutritionist, Occupational Therapist, Oceanographer, Optometrist/Ophthalmologist, Pharmacist, Pharmaceutical Sales Rep, Physiotherapist, Public Health Officer,
Researcher, Speech Language Pathologist, Teacher/Professor, Technical Writer, Toxicologist, Veterinarian, Virologist, Wildlife Biologist

PROGRAM OUTCOMES
At the end of a biology degree, you will acquire or be able to:
- Think critically, problem solve and use scientific reasoning skills
- Apply the scientific method in experimental design, experimentation and analysis
- Perform common laboratory techniques
- Correlate structure with function
- Understand the complexity of living systems
- Retrieve, assess, analyze and integrate information
- Communicate both orally and in writing
- Work independently and with others

If you like biology, you might also like agriculture, biochemistry, bioinformatics, biophysics, biotechnology, chemistry, health professions, horticulture, neurosciences, and pharmacology.

Admission Requirements
In addition to the general admissions requirements of Selkirk College students, each biology course has specific pre-requisites which must be completed before you may take the course. If you are interested in an associate of science degree in Biology, the program requires the completion of Biology 12, Chemistry 11, English 12, Physics 11 with a grade of "C" or higher and Pre-Calculus 12 or Principles of Math 12 with a grade of "C+" or higher. Students considering a biology degree, will need to take Biology 104 and 106 in addition to other courses which require Biology 12 or equivalent and Chemistry 11 or equivalent.

Program Courses

- FIRST OR SECOND YEAR

ARTS REQUIREMENT
Students may take any first- or second-year UAS Arts elective (Humanities or Social Sciences) excluding your major discipline.

BIOL 104 - BIOLOGY I
A course designed for those students who require first year biology in their program of study or who wish to go on to further study in biology. The course includes cell biology, biochemistry, and an examination of the processes of life in the plant and animal body. A strong emphasis is placed on the development of critical thinking skills through problem solving, research design, and laboratory analysis.

Pre-requisites: BIOL 12 or equivalent and CHEM 11 or equivalent. Students lacking the stated prerequisites may enroll in the course with written permission of the School Chair; however, they should be aware that they will be required to do additional work. This course is available via Distance Education, but requires attendance at weekly on-site labs.

BIOL 106 - BIOLOGY II
Along with BIOL 104 (Biology I), this course provides an overview of the study of living things. Biology 106 presents topics in population, community and ecosystem ecology, and classical and molecular genetics. Evolution provides a unifying theme for the course. A strong emphasis is placed on the development of critical thinking skills through problem solving, case studies and laboratory investigation.

Pre-requisites: BIOL 104 with a grade of "C" or better or written permission of the Instructor and School Chair.

BIOL 202 - PRINCIPLES OF GENETICS
This course provides the student with a knowledge of classical and reverse genetics. Topics covered include Mendelian inheritance, chromosome theory of heredity, sex determination, mutation, the structure and function of genes, molecular genetics, and the genetic structure of populations. Experimental techniques used in molecular genetics are also introduced.

Pre-requisites: BIOL 104 and 106 with a grade of "C" or better, or written permission of the Instructor and School Chair.

BIOL 204 - CELL BIOLOGY
This course provides the student with a thorough knowledge of cell structure and function. Topics covered include biomolecules, membranes, organelles, cell movement, cell signaling, gene regulation, and transcription and translation. Experimental techniques used in modern cellular and molecular biology are also introduced.

Pre-requisites: BIOL 104 and 106 with a grade of "C" or better, or written permission of the Instructor and School Chair.

BIOL 206 - INTRODUCTORY BIOCHEMISTRY
This course provides an introduction to biochemistry including protein structure and function, and representative catabolic and anabolic pathways. Topics covered include water, enzyme kinetics and enzyme structure and function. Experimental techniques used in biochemistry and molecular biology are also introduced.

Pre-requisites: BIOL 104 and 106 with a grade of "C" or better, or written permission of the Instructor and School Chair.

Pre-requisites: Biology 104 and 106 with a grade of "C" or better, or written permission of the Instructor and School Chair. NOTE: Students are advised to take CHEM 212 as a prerequisite and CHEM 213 concurrently with BIOL 204.

CHEM 125 - FOUNDATIONS OF CHEMISTRY II
CHEM 125: Fundamentals of Chemistry II is the continuation for either CHEM 110 or CHEM 122. The course consists of two major units: physical chemistry and organic chemistry. The study of physical chemistry begins with an investigation of reaction rates (kinetics), followed by the principles of equilibria applied to pure substances and aqueous solutions, and an introduction to the laws of thermodynamics. The second major unit is a survey of the field of organic chemistry; topics include the physical and chemical properties of alkanes and alkenes, stereochemistry, and addition, substitution, and elimination reactions. The laboratory work involves the measurement of physical and chemical properties as well as chemical syntheses.

Pre-requisites: CHEM 110 or CHEM 122 with a grade of "C" or better, or written permission of the Instructor and School Chair.

CHEM 212 - ORGANIC CHEMISTRY I
CHEM 212: Organic Chemistry I, explores the relationship between the structures of carbon-containing molecules and their physical and chemical properties. Some topics from first-year general chemistry are reviewed briefly: alkenes, stereochemistry, alkenes, and nucleophilic substitution and elimination reactions of alkyl halides. The correlation between structure and acidity is investigated, and the chemistry of alkenes and alcohols is examined. Structure-determination techniques, including IR and NMR, are explored. The laboratory work for this course provides practical experiences with separation/purification techniques, molecular synthesis, and qualitative analytical methods applied to organic compounds.

Pre-requisites: CHEM 125 with a grade of "C" or better, or written permission of the Instructor and School Chair.

CHEM 213 - ORGANIC CHEMISTRY II
CHEM 213: Organic Chemistry II is a continuation of CHEM 212. The survey of organic families is continued with a study of aldehydes and ketones, carboxylic acid derivatives, aromatics and amines. The chemistry of a variety of compounds of biological interest is also discussed. The laboratory work involves synthesis and organic structure determination.

Pre-requisites: CHEM 212 with a grade of "C" or better, or written permission of the Instructor and School Chair.
- CHEMISTRY REQUIREMENT:
CHEM 110 OR CHEM 122
Students requiring first-year chemistry have a choice of Chemistry 110 or Chemistry 122.
– CHEM 110: Fundamentals of Chemistry
– CHEM 122: General Chemistry I

- ENGLISH REQUIREMENT:
ENGL 110 OR ENGL 112
Students requiring first-year English have a choice of the English 110/111 sequence and the 112/114 sequence.
– ENGL 110 - College Composition
– The 110/111 sequence is focused on the development of academic writing and research.
– ENGL 112 - Introduction to Poetry and Drama
– The 112/114 sequence is focused on the interpretation of literature.

- ENGLISH REQUIREMENT:
ENGL 111 OR ENGL 114
Students requiring first-year English have a choice of the English 110/111 or the 112/114 sequence.
– ENGL 111 - Introduction to Literature
– The 110/111 sequence is focused on the development of academic writing and research.
– ENGL 114 - Introduction to Prose Fiction

MATH 100 - CALCULUS I
A course designed to provide students with the background in calculus needed for further studies. This course includes: a review of functions and graphs; limits; the derivative of algebraic, trigonometric, exponential and logarithmic functions; applications of the derivative including related rates, maxima, minima, velocity and acceleration; the definite integral; an introduction to elementary differential equations; and, applications of integration including velocity, acceleration, areas, and growth and decay problems.

Pre-requisites: Pre-calculus 12, Principles of MATH 12 or equivalent with a grade of "C" or better or written permission of the Instructor and School Chair.

- PHYSICS REQUIREMENT:
PHYS 102 OR PHYS 104
Students requiring first-year physics have a choice of Physics 102 or Physics 104.
– PHYS 102: Basic Physics I
– PHYS 104: Fundamental Physics I

- PHYSICS REQUIREMENT:
PHYS 103 OR PHYS 105
Students requiring first-year physics have a choice of Physics 103 or Physics 105.
– PHYS 103: Basic Physics II
– PHYS 105: Fundamental Physics II

STAT 206 - STATISTICS
This course provides an introduction to statistical methods intended for students of Engineering or the Sciences. Descriptive statistics, probability and inferential statistics are covered at a level appropriate for students with some calculus background. The students will learn to calculate confidence intervals and perform hypothesis testing for experiments involving one and two samples. Linear regression and correlation may be introduced if time permits.

Pre-requisites: Math 100 or Math 140 or an equivalent calculus course that introduces integral calculus.

- GENERAL UAS ELECTIVE
A student may take any first-year or higher university transferable course to satisfy this elective. Each course must transfer for three or more credits to at least one of: SFU, UBC (Vancouver or Okanagan), UNBC or UVIC. To learn more about how your courses transfer visit the online BC Transfer Guide or contact a Selkirk counsellor.

Contacts

UNIVERSITY ARTS & SCIENCES ADMISSIONS
Admissions Officer (Castlegar)
Phone: 1.888.953.1133 ext 21233
Direct: 250.365.1233
Email: admissions@selkirk.ca

PROGRAM CONTACT
Phone: 1.888.953.1133 ext 21205
Direct: 250.365.1205
Email: UAS@selkirk.ca

TRACY PUNCHARD
School Chair of UAS; Instructor, English
Phone: 1.888.953.1133 ext 21318
Direct: 250.365.1318
Email: tpunchard@selkirk.ca
Blacksmithing Studio

**Program Summary**

Blacksmith work can be seen everywhere from wrought iron patio fences to decorative wall hangings and art.

 Designed to let you explore your personal expression, our program teaches you the necessary blacksmithing and welding techniques to manipulate and join steel for both form and function. You’ll learn the basics of ornamental metal art design and creation to put you on the road to success in the professional marketplace.

Our instructors show you how to design, draw and produce work in ferrous and non-ferrous metals through a variety of studio, forge and foundry demonstrations, discussions and exercises.

**GAIN VALUABLE SKILLS**

- Increase your hand skills and your hand-eye coordination
- Understand the movement of mass
- Sharpen your creative problem solving
- Learn the basics of tool construction

Through the Blacksmithing program, you will be able to reach a level appropriate for a blacksmith apprentice. Gaining control and confidence, you’ll be ready to produce traditional and contemporary ironwork and begin your career.

**YOUR COURSES INCLUDE**

- Advanced Conceptualization and Creation Techniques
- Drawing and Design for Blacksmithing
- Metal Shop Culture
- Primary Hammer Skills
- Production Processes

**PATHWAYS**

Continue your studies and achieve the 10-month Studio Arts Diploma.

**Course of Studies**

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<thead>
<tr>
<th>Course</th>
<th>Name</th>
<th>Credit</th>
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<tr>
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<td>Shop Cultures: Safety and Devices</td>
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<td>BLCK 123</td>
<td>Fabrication Techniques: Welded Forms</td>
<td>On Campus 4</td>
</tr>
<tr>
<td>BLCK 125</td>
<td>Design for Fabrication and Blacksmithing</td>
<td>On Campus 3.5</td>
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<tr>
<td>BLCK 127</td>
<td>Force, Stance, Direction: Primary Hammer Skills</td>
<td>On Campus 4</td>
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<td>BLCK 129</td>
<td>Advanced Techniques: Conceptualize and Create</td>
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</tr>
<tr>
<td>BLCK 131</td>
<td>Production Processes</td>
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</table>

**Total 20**

**Admission Requirements**

In addition to meeting the general entrance requirements for admission to Selkirk College, an applicant must meet the following Kootenay Studio Arts programming (KSA) entrance requirements

**QUESTIONNAIRE**

All applicants must complete and submit the following questionnaire at least one week prior to their scheduled interview date. The questionnaire helps us to understand the applicant’s interest and commitment to the studio program.

Submit the questionnaire and portfolio using the Kootenay Studio Arts online form at selkirk.ca/blacksmithing.

**INTERVIEW**

All applicants are required to participate in an interview with a program instructor from the Kootenay School of the Arts program. Telephone interviews will be arranged for those applicants who, because of distance, cannot attend in person. The interview is an opportunity for applicants to introduce themselves, present their work and discuss their interests within the arts. The instructor will assess the applicant’s preparedness for entry into the program and will ask about commitment, goals and expectations, design knowledge, experience and communication skills. It is also an opportunity for applicants to ask any questions they might have about the program and for faculty to recommend upgrading if necessary.

**PORTFOLIO GUIDELINES**

- The number of pieces in an applicant’s portfolio will vary depending on the manner in which the applicant works. Generally, the admissions committee would like to see a minimum of six and a maximum of twenty-four pieces.
- Portfolios can be submitted by using the online form or mailed to Kootenay Studio Arts.
- Two-dimensional works may be presented in their original form. Three-dimensional pieces or any works on a large scale should not be brought to the interview but represented by slides or photographs.
- An applicant’s portfolio must be the applicant’s own original work. It can include variations and modifications of existing work.
- Applicants should organize their work and set it out so that it shows development over a period of time or group it according to type.
- Applicants should bring their workbooks and journals. School assignments and independent explorations will also be helpful to the Admissions Committee.
- Applicants must keep their presentations simple and neat. Work should not be matted or elaborately framed.

**SUBMIT YOUR PORTFOLIO IN ONE OF THE FOLLOWING FORMATS**

- Submit the portfolio using the Kootenay Studio Arts online form
- Portable storage device
- CD or DVD (jpeg format)
- Online portfolio (Tumblr, Behance, Flickr) emailed to epotlucki@selkirk.ca.
- Hard copy

**LENGTH OF STUDY:**

4 Months

**ACCREDITATION:**

Certificate

**CAMPUS:**

Victoria Street Campus, Nelson

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**Course of Studies**

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Submit the questionnaire and portfolio using the Kootenay Studio Arts online form at selkirk.ca/blacksmithing.

**INTERVIEW**

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**PORTFOLIO GUIDELINES**

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**SUBMIT YOUR PORTFOLIO IN ONE OF THE FOLLOWING FORMATS**

- Submit the portfolio using the Kootenay Studio Arts online form
- Portable storage device
- CD or DVD (jpeg format)
- Online portfolio (Tumblr, Behance, Flickr) emailed to epotlucki@selkirk.ca.
- Hard copy

**LENGTH OF STUDY:**

4 Months

**ACCREDITATION:**

Certificate

**CAMPUS:**

Victoria Street Campus, Nelson
BLCK 127 - FORCE, STANCE, DIRECTION: PRIMARY HAMMER SKILLS
In BLCK 127: Force, Stance, Direction: Primary Hammer Skills, students will develop the ability to manipulate hot steel with hammer and anvil. Following instructor demonstrations and discussion, students will practice a variety of basic smithing techniques. Emphasis is on hammer control, proper and safe tool use and how to apply the knowledge gained to complete simple projects safely and effectively.

BLCK 129 - ADVANCED TECHNIQUES: CONCEPTUALIZE AND CREATE
This component introduces students to a broader range of Blacksmithing skills and techniques. Built on a strong foundation of Blacksmithing fundamentals, students' ability to conceptualize and create advanced forms will be increased through tool making and creative problem solving. Students will make a hammer and punches. Skills include power hammer techniques and Tooling.

BLCK 131 - PRODUCTION PROCESSES
Students will design, proof and execute a short production run of ornamental metal art. Skills include making and using custom jigs and tooling.

Program Courses

BLCK 121 - SHOP CULTURES: SAFETY AND DEVICES
BLCK 121: Shop Culture: Safety and Devices will introduce students to shop culture and to safe operating practices for all tools in the shop. Students will be given an overview of the two metal certificates (Blacksmithing and Metal Casting) and will start to develop the skills necessary to proceed into BLCK 123: Fabrication. Techniques: Welded Forms.

BLCK 123 - FABRICATION TECHNIQUES: WELDED FORMS
In Fabrication Techniques: Welded Forms, students will be introduced to the safe use of the MIG welder, oxygen and acetylene gases, and the plasma cutter. Exercises include samples using each process, accurate layout, and sculptural inflation.

BLCK 125 - DESIGN FOR FABRICATION AND BLACKSMITHING
Design for Fabrication & Blacksmithing provides students with a basic understanding of the design and visual communication skills required to develop and present concepts that may be realized in wrought iron. The course will offer an introduction to essential drawing skills in black and white media and an overview of core design principles — with context via relevant metal craft history. Students will be aided in developing their basic rendering techniques and concept design skills in product development and presentation. The course also covers practical aspects such as the reading and drawing of scale plans, structural considerations, and building code conventions. Students will gain the ability to blend functionality with aesthetics and articulate their creative visions on paper as an adjunct to working in wrought metal.

Pre-requisites: BLCK 121: Shop Culture: Safety and Devices.

Contacts

CAROL RIDGE
Enrolment Officer
Phone: 250.365.7292 ext 21324
Direct: 250.365.1324
Email: cridge@selkirk.ca

KOOTENAY STUDIO ARTS
Program Contact
Phone: 877.552.2821
Email: arts@selkirk.ca

DARYL JOLLY
School Chair
Phone: 250.352.6601 ext 11394
Direct: 250.505.1394
Email: djolly@selkirk.ca

LAURA WHITE
Jewelry Instructor/Coordinator
Phone: 250.352.2821 ext 13296
Email: lwhite@selkirk.ca

Hard copy portfolios for telephone interviews mailed to Kootenay Studio Arts at Selkirk College, 606 Victoria Street, Nelson, BC, V1L 4K9. Every precaution is taken to ensure that portfolios are handled with care. KSA does not accept responsibility for any loss or damage to submitted materials. All portfolios that the school has not been able to return to applicants by November 15 will be recycled.

Pre-requisites: BLCK 121: Shop Culture: Safety and Devices.
Program Summary

Used for centuries, this intricate process and historic tradition of creating complex metal shapes and parts is in high demand today for both commercial and ornamental uses.

Focusing on exploring your personal expression in metal, we give you the necessary discipline and skills to be able to venture into the global metal marketplace. Our instructors show you how to design, draw and produce work in non-ferrous metals through a variety of studio, and foundry demonstrations, discussions, field tips and exercises.

GAIN VALUABLE SKILLS
 – Tool Safety (TIG welder, grinders, air tools)
 – Making rubber molds
 – Wax chasing
 – Metal finishing
 – How to submit a presentation to a client

YOUR COURSES INCLUDE
 – Drawing and Design for Metal Casting
 – How to Cast Bronze
 – Exploration of Bronze

With an emphasis on developing proper technique and using appropriate tools safely, you'll learn how to design, sculpt, mold and cast in bronze and lost wax casting methods. Plus, you'll get hands-on practice in studio production, casting sculptural forms and pouring molten metal as you design, create and develop molds and patterns for casting in our foundry room.

PATHWAYS
Continue your studies and achieve the 10-month Studio Arts Diploma.

Admission Requirements

In addition to meeting the general entrance requirements for admission to Selkirk College, an applicant must meet the following Kootenay Studio Arts programming (KSA) entrance requirements.

QUESTIONNAIRE
All applicants must complete and submit the following questionnaire at least one week prior to their scheduled interview date. The questionnaire helps us to understand the applicant's interest and commitment to the studio program.

Submit the questionnaire and portfolio using the Kootenay Studio Arts online form at selkirk.ca/bronze-casting.

INTERVIEW
All applicants are required to participate in an interview with a program instructor from the Kootenay School of the Arts program. Telephone interviews will be arranged for those applicants who, because of distance, cannot attend in person. The interview is an opportunity for applicants to introduce themselves, present their work and discuss their interests within the arts. The instructor will assess the applicant's preparedness for entry into the program and will ask about commitment, goals and expectations, design knowledge, experience and communication skills. It is also an opportunity for applicants to ask any questions they might have about the program and for faculty to recommend upgrading if necessary.

PORTFOLIOS
The portfolio is designed to assess your skill level to help instructors increase your chances of success in your studio program. KSA is looking for a demonstration of visual awareness, creativity and technical skill. The portfolio pieces may be of any medium and they need not be specific to studio preference.

PORTFOLIO GUIDELINES

– The number of pieces in an applicant's portfolio will vary depending on the manner in which the applicant works. Generally, the admissions committee would like to see a minimum of six and a maximum of twenty-four pieces.
– Portfolios can be submitted by using the online form or mailed to Kootenay Studio Arts.
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– Applicants should organize their work and set it out so that it shows development over a period of time or group it according to type.
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– Applicants must keep their presentations simple and neat. Work should not be matted or elaborately framed.

SUBMIT YOUR PORTFOLIO IN ONE OF THE FOLLOWING FORMATS
– Submit the portfolio using the Kootenay Studio Arts online form
– Portable storage device
– CD or DVD (jpeg format)
– Online portfolio (Tumblr, Behance, Flickr) emailed to epotlucki@selkirk.ca.
– Hard copy
HARD COPY PORTFOLIOS FOR TELEPHONE INTERVIEWS MAILED TO
Kootenay Studio Arts at Selkirk College
606 Victoria Street
Nelson, BC
V1L 4K9

Every precaution is taken to ensure that portfolios are handled with care. KSA does not accept responsibility for any loss or damage to submitted materials. All portfolios that the school has not been able to return to applicants by November 15 will be recycled.

Program Courses

CAST 122 - DRAWING AND DESIGN FOR METAL CASTING
This course provides students with a basic understanding of Design and Visual Communication skills required to develop and present concepts that may be realized in Cast Molten Metal. Students will gain the ability to integrate 2D/3D concepts and to combine aesthetics with function when articulating their creative visions ‘on paper’ as an adjunct to working with Cast Metal.

CAST 124 - HOW TO CAST BRONZE
Students will design, sculpt, mold and then cast their own unique creations in bronze. In this 5 week intensive course through various assignments, students will learn how to design and sculpt their ideas in clay, mold them in rubber, wax, ceramic shell and then bronze. Various bronze finishing techniques will be taught as well as some marketing.

CAST 126 - EXPLORATION OF BRONZE
Students will learn to explore their ideas in clay with more involved processes. In this 5-week intensive course, students will learn more advanced molding techniques and so can create more involved and intricate sculptures. At the end of this course students will visit foundries and working artists in their studios. Students will leave this course with basic casting and marketing skills to further their own explorations.

CAST 128 - SCULPTURAL MODELING IN CLAY
This is a 15 week course designed to give students skills in working with oil based clay. Through in class exercises, demos and assignments, students will learn to use various tools and techniques to Develop an understanding of three dimensional form through modeling in clay.
Course of Studies
This course of studies is applicable for students studying full-time starting in September.
Please note: Our current curriculum is being redesigned to best meet the needs of our students. This may impact your course of studies for September 2018. Please contact our Program Advisor for more details.
For more information on the course of studies as a part-time student or when starting in January or May, please contact the Program Advisor.

OPTIONAL COURSES
– Either TWC 164 or ENGL 110 are required to graduate. Typically, TWC 164 is the preferred course to take. However, for some, taking ENGL 110 may make more sense depending on when and where you may want to transfer after completing your diploma at Selkirk. Please contact our Program Advisor for more details.

YEAR 1

SEMESTER 1
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<td>Principles of Macroeconomics</td>
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<td>STAT 105</td>
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<td>TWC 165</td>
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LENGTH OF STUDY:
2 Years

ACCREDITATION:
Diploma

CAMPUS:
Castlegar Campus

Program Summary
Business and finance specialists like human resource managers, marketing professionals, accountants, and entrepreneurs are among Canada’s top five highest paid professions. Come find your new career while enjoying world-class culture and outdoor recreation in the heart of the West Kootenay.

Come study at Selkirk College where learning and lifestyle mix, making for an enriching educational experience. Go from the desk to the ski-hill on epic powder days or reward yourself for focused studies by taking in some eclectic arts and culture. Our Business Administration diploma helps elevate and leverage your skills to compete in high-paying and dynamic careers. Strive for success while enjoying unforgettable college life.

YOU’LL BENEFIT FROM
– Flexible, full- or part-time studies
– Multiple program start dates (September/January/May)
– Small class sizes and personalized attention
– Culturally diverse classrooms
– Veteran instructors still working in their industry
– Opportunities for real-world co-op work experience
– Complete academic upgrading while in the program (if required)
– Transfer to a variety of degree programs
– Transfer and exchange opportunities in France, Scotland and Australia
– Take a Management in your second year.

Admission Requirements

GENERAL ADMISSION REQUIREMENTS
In addition to meeting the general entrance requirements for admission to Selkirk, applicants must meet the following Business Administration requirements:
– English 12 or equivalent with a grade of C+ or higher required. For international applicants, IELTS 6.0 overall band score with no band
below 5.5, or equivalent on other internationally recognized English Language Proficiency Tests.

- Foundations of Math 12 or Pre-calculus 11 with a grade of “C+” or better.
- Mathematics 12 and at least one Science 11 are recommended.
- Mature applicants without the above qualifications for full-time study are encouraged to arrange an interview with the Program Advisor or designate to discuss admission to the program. An assessment will be made of the applicant’s ability to complete the program based on work experience, studies undertaken since leaving school, an assessment tool, and the results of the interview.
- Applicants who lack the admission requirements may still gain admission to the program through a multi-level entry system which allows students to take a combination of business and upgrading courses in the first year. This mode of entry may extend the length of the business diploma program to three years.

INTERNATIONAL STUDENTS

- Learn more about additional admissions information for International students.
- For further information email Selkirk’s International Student Advisor.

PART-TIME STUDY

The Business Administration program encourages and supports part-time study, and special consideration has been given to the integration of part-time students into the program. Learn more about suggested part-time course of studies for Accounting/Finance and Management.

- Only full-time students are eligible for Co-op work term experiences.
- Where enrollment is limited, priority will be given to full-time students.

EARLY ENTRY

- Applicants who lack the admission requirements may still gain admission to the program through a multi-level entry system which allows students to take a combination of business and upgrading courses in the first year.
- This mode of entry may extend the duration of the program accordingly as not all courses are offered every term.
- Contact our Program Advisor for more details.

Application Information

- Business Administration is an open enrollment program.
- Apply early to ensure a seat. We accept applications 12 months before the start date.

ADMN 171 - MANAGEMENT PRINCIPLES

ADMN 171: Management Principles is an introduction to management theory, philosophy and techniques including the specialized areas of entrepreneurship, small business, and hospitality and service industries. Management is a dynamic discipline and is reflected in the organizations of today’s global world.

Pre-requisites: Accepted to the Business Administration Program

ADMN 181 - MARKETING

ADMN 181: Marketing introduces students to basic concepts and principles of marketing. Topics include Canadian entrepreneurship, small business management, evaluation of business opportunities, and marketing management. Market planning will be emphasized as well as practical decision making in regards to evaluating the business environment, market segmentation, market research, and strategy choices. The marketing mix or product, price, place of distribution, and promotion will be discussed in depth.

Pre-requisites: Accepted to the Business Administration Program

ADMN 230 - PROJECT MANAGEMENT

ADMN 230: Project Management provides you with foundational knowledge and applied project management skills. Learn competencies required to work in project management, and build your own skills roadmap to take your career further. Learn to define project success and develop skills in project planning and communications, including how to organize a team meeting, plan a project and schedule with state of the art software.

This introductory course establishes the foundation of knowledge upon which project management practices are based. We will look in depth at the anatomy of a project and the role of the project manager and learn the key concepts upon which the project management discipline is built.

Based on industry standard practices and recognizing that there is no one-size-fits-all approach to project management, you will examine a broad range of business projects and explore how different approaches are used under different circumstances. Reviewing the full project lifecycle from conceptual design through to project completion, you will gain insights into how projects work in the real world and the factors that lead to project success.

Pre-requisites: COMM 220 or equivalent with a grade of “C” or better.

ADMN 250 - MANAGERIAL ACCOUNTING

ADMN 250: Managerial Accounting is an introduction to management accounting concepts and methods. Main topic areas include: job order and process costing, budgeting and responsibility accounting, identification of costs relevant to price, product, and replacement decisions, cost/volume/profit relationships, cost control through flexible budgets, standard costs, and variance analysis.

Pre-requisites: COMM 240/241 or equivalent with a grade of “C” or better.

ADMN 251 - INTERMEDIATE ACCOUNTING I

ADMN 251: Intermediate Accounting I is the first part of a two-semester course dealing with theory and concepts as applied to financial reporting. Valuation and cost allocation problems applying to cash, receivables, inventories and investments, property, plant and equipment and tangible assets are an integral part of this course.

Pre-requisites: COMM 240/241 or equivalent with a grade of “C” or better.

ADMN 252 - FINANCIAL MANAGEMENT

ADMN 252: Financial Management examines the role of finance and the tools and environment of financial decision-making. Topics include: Time value of money, foundations for valuation, financial analysis and planning, management of current assets and liabilities, capital budgeting, risk and return, and personal finance.

Pre-requisites: COMM 240/241 or equivalent with a grade of “C” or better.

ADMN 253 - PRINCIPLES OF INCOME TAX I

ADMN 253: Principles of Income Tax I studies the nature and structure of the Income Tax Act, as it applies to individuals. Topics include determination of net income for tax purposes, taxable income and income taxes payable. Income from employment, business, property, capital gains and miscellaneous sources are included.

Pre-requisites: COMM 240/241 or equivalent with a grade of “C” or better.

ADMN 254 - INTERMEDIATE ACCOUNTING II

ADMN 254: Intermediate Accounting II deals with theory and concepts as applied to financial reporting. Topics include valuation and cost allocation problems applying to liabilities, leases and pensions, accounting for owner’s equity, partners’ capital and shareholders’ equity, future income tax benefits and liabilities, and full disclosure on financial reports.

Pre-requisites: ADMN 251 or equivalent with a grade of “C” or better.

selkirk.ca/programs
Accounting/Finance

HIGHLY RESPECTED SKILLS.
Capable accounting and finance professionals are highly respected in the global business world and are in high demand. We give you a solid financial understanding and management background to secure your career potential in this high-paying and diverse field.

Our Accounting and Finance concentration allows you to start working right away or receive advance credit towards earning your Chartered Professional Accountant (CPA), or other professional designations.

This concentration provides students with a solid background in the financial structure of business. Students develop skills in such areas as: financial and managerial accounting, systems analysis and design, auditing, taxation, and computer systems.

CAREER OPPORTUNITIES
Our comprehensive course offerings train you to be successful in a variety of respected careers, such as:
- Management accounting
- Taxation
- Auditing
- Purchasing
- Financial planning
- Business analyst
- Financial accounting
- Bookkeeping

This course of studies is applicable for students studying full-time starting in September.

Please note: Our current curriculum is being redesigned to best meet the needs of our students. This may impact your course of studies for September 2018. Please contact our Program Advisor for more details.

Optional Courses
- ADMN 272 - Commercial Law is not a diploma requirement for accounting students. If you plan to pursue an accounting designation, check with the Program Advisor for advice specific to your target designation.
- STAT 206 - Statistics is optional for legacy CA and CGA accounting students. Students not pursuing legacy CA or CGA pathways may omit this course as it is not a diploma requirement. Please note the prerequisite for this course is MATH 100 or MATH 140.

<table>
<thead>
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<th>Course</th>
<th>Name</th>
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<tbody>
<tr>
<td>ADMN 251</td>
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<td>ADMN 252</td>
<td>Financial Management</td>
<td>On Campus</td>
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<td>ADMN 253</td>
<td>Principles of Income Tax I</td>
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</tr>
<tr>
<td>ADMN 259</td>
<td>Auditing</td>
<td>On Campus</td>
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<tr>
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<tr>
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<tbody>
<tr>
<td>ADMN 250</td>
<td>Managerial Accounting</td>
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<td>3</td>
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<tr>
<td>ADMN 254</td>
<td>Intermediate Accounting II</td>
<td>On Campus</td>
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<tr>
<td>ADMN 255</td>
<td>Corporate Finance</td>
<td>On Campus</td>
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<tr>
<td>ADMN 257</td>
<td>Income Tax II</td>
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<tbody>
<tr>
<td>STAT 206</td>
<td>Statistics</td>
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ADMN 255 - CORPORATE FINANCE
ADMN 255: Corporate Finance examines the raising and allocation of corporate funds. Topics include: conceptual aspects of capital structure, dividend policy, capital markets, financial securities, derivatives, international finance, and corporate reorganizations and liquidations.

Pre-requisites: COMM 240/241 or equivalent with a grade of "C" or better.

ADMN 257 - INCOME TAX II
ADMN 257: Income Tax II provides a study of the nature and structure of the Income Tax Act, as it applies to corporations, partnerships, deceased taxpayers, trusts and non-residents, with the focus on corporate taxation. A corporate tax return and relevant schedules are prepared to determine net income for tax purposes, taxable income and income taxes payable. The sale of an incorporated business, tax planning techniques and special topics are included.

Pre-requisites: ADMN 253 or equivalent with a grade of "C" or better.

ADMN 259 - AUDITING
ADMN 259: Auditing is a one semester course examining the nature and function of auditing. Students will study the various types of audits as well as the auditor’s role in the decision-making process. The planning, accumulation and interpretation of audit evidence including EDP systems, are major
Management

ADVANCEMENT WITH PROFESSIONAL MANAGEMENT.

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This concentration provides students with the tools to function competently in the management environment. Graduates develop skills in physical resource and operations management, marketing, sales, financial systems, human resource management, and strategic management. A number of advanced credits extend to professional designations as well.

LEADERSHIP DELIVERS

Our well-balanced curricula of business management fundamentals, trains you to successfully lead your team and deliver measurable workplace results. Focusing on essential professional management knowledge and skills we train you for successful careers in:

- Marketing and sales
- Human resource management
- Operations management
- Financial systems
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SEMESTER 3

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<th>Course</th>
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<td>ADMN 252</td>
<td>Financial Management</td>
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<td>ADMN 265</td>
<td>Operations Management</td>
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<td>ADMN 272</td>
<td>Commercial Law</td>
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<td>ADMN 286</td>
<td>Human Resource Management</td>
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<td>ADMN 293</td>
<td>Electronic Commerce</td>
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Total 18

SEMESTER 4

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<td>ADMN 250</td>
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<td>Corporate Finance</td>
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<td>ADMN 295</td>
<td>Strategic Management</td>
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<td>ADMN 296</td>
<td>International Business</td>
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<tr>
<td>ADMN 297</td>
<td>Developing a Business Plan</td>
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Total 15

components of the course. Case studies requiring an examination of internal control, planning an audit, development of an audit program, and the preparation and completion of working papers, financial statements and the auditor's report are also part of this course.

Pre-requisites: COMM 240/241 or equivalent with a grade of "C" or better.

ADMN 265 - OPERATIONS MANAGEMENT

ADMN 265: Operations Management studies business operations fundamentals such as demand management, forecasting, inventory control, the EOQ model, scheduling, project management, aggregate planning, materials management, value analysis, supplier management, quality management and service centre management. The concepts of sustainability and sustainable business practices will be integrated into the different topics.

Pre-requisites: COMM 220 and ADMN 181 or equivalent with a grade of "C" or better.

ADMN 269 - INFORMATION SYSTEMS

ADMN 269: Information Systems examines the relationships and distinctions between Management Information Systems (MIS) and Accounting Information Systems (AIS). Students will examine the standard categories of business transactions and how these transactions flow through the organization, are documented, stored (with emphasis on databases), and are reported for use by both internal and external users. Accounting information systems development will be studied with emphasis on systems analysis and design, internal controls, and proper documentation.

Pre-requisites: COMM 240/241 or equivalent with a grade of "C" or better.

ADMN 272 - COMMERCIAL LAW

ADMN 272: Commercial Law is an introduction to law as it applies to business. The development of the courts and the machinery of justice will be outlined. A study will then be made of torts and negligence, and of contracts including their formation, impeachment, breach, assignment and discharge. Methods of carrying on business such as employer/employee, proprietorship, partnership, agency and incorporation will be introduced and compared.

Pre-requisites: COMM 220 and ADMN 171 or equivalent with a grade of "C" or better.
Accounting/Finance (Part-Time)

PART-TIME STUDIES
If a full-time program doesn’t work for you, contact the Program Advisor to discuss how to meet program requirements in the time that you do have.

Typically, a full-time student completes this program in four semesters by taking five to six courses per semester. With careful planning, you can complete the program in six semesters by taking three to four courses per semester. You can, however, take as little as one course per semester if that is all that will work for you. If you are accessing government student loans, make sure that you are taking the minimum number of courses to remain eligible for funding.

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- Purchasing
- Financial planning
- Business analyst
- Financial accounting
- Bookkeeping

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Tuition and Fees will vary depending on how many courses you take at one time.

<table>
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<tr>
<th>SEMESTER 1</th>
<th>Course</th>
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<tr>
<td>COMM 220</td>
<td>Principles of Organizational Behaviour</td>
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<tr>
<td>COMM 240</td>
<td>Financial Accounting I</td>
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</tr>
<tr>
<td>TWC 164</td>
<td>Introduction to Report and Letter Writing</td>
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<td>ADMN 181</td>
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<tr>
<td>COMM 241</td>
<td>Financial Accounting II</td>
<td>On Campus</td>
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<tr>
<td>TWC 165</td>
<td>Oral Presentations and Skills Training</td>
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<tr>
<td>ADMN 251</td>
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<td>ADMN 252</td>
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<tr>
<td>ADMN 253</td>
<td>Principles of Income Tax I</td>
<td>On Campus</td>
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<td>ADMN 254</td>
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<tr>
<td>ADMN 255</td>
<td>Corporate Finance</td>
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<tr>
<td>ADMN 257</td>
<td>Income Tax II</td>
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<td>ECON 106</td>
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<td>ADMN 259</td>
<td>Auditing</td>
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<td>ECON 107</td>
<td>Principles of Microeconomics</td>
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<td>ADMN 250</td>
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<td>ADMN 295</td>
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ADMN 286 - HUMAN RESOURCE MANAGEMENT
ADMN 286: Human Resource Management is an examination of how to most effectively utilize and manage the human element in work organizations including staffing, training and development, appraisal and compensation, industrial relations and human resources planning.
Pre-requisites: COMM 220 and ADMN 171 or equivalent with a grade of "C" or better.

ADMN 293 - ELECTRONIC COMMERCE
ADMN 293: Electronic Commerce is an introduction to the business models, infrastructure, strategies, design and analysis of electronic commerce business solutions. The role of electronic commerce in changing society is also an important topic. The primary aim of this course is to identify key management considerations required in implementing e-commerce business solutions.
Pre-requisites: ADMN 181 and ADMN 171 with a grade of "C" or better.

ADMN 295 - STRATEGIC MANAGEMENT
ADMN 295: Strategic Management is a capstone course integrating the varied disciplines in business including accounting and finance, marketing, operations, economics, forecasting, and management, into a comprehensive knowledge base which becomes a foundation for strategic planning. Students' participation in class and in team projects and analysis of business cases are core components of this course.
Pre-requisites: ADMN 171, ADMN 181, COMM 241 or equivalent with a grade of "C" or better.

ADMN 296 - INTERNATIONAL BUSINESS
ADMN 296: International Business offers an in-depth review of basic concepts, institutional practices and developments in the global business environment. The course also offers an introduction to international business management. Core management topics will be examined within an international framework. The course emphasizes the development of critical thinking skills, and aims to link developments in the international business environment into everyday life. In this way, students may be able to integrate concepts and institutional practices into a practical, work-oriented environment.
Pre-requisites: ADMN 181, ADMN 171, COMM 241 or equivalent with a grade of "C" or better.

ADMN 297 - DEVELOPING A BUSINESS PLAN
ADMN 297: Developing a Business Plan examines the process of researching and developing a business plan. A business plan provides a comprehensive framework for a firm's marketing, financing and operational activities. Students will research and develop a business plan to assess the viability of a proposed business venture. Students will also learn to critically assess the viability of a business plan through completing a due diligence process.
Pre-requisites: ADMN 171 or ADMN 181, COMM 220 or COMM 241 or equivalent with a grade of "C" or better.

COMM 220 - PRINCIPLES OF ORGANIZATIONAL BEHAVIOUR
The Business Administration Principles of Organizational Behaviour course is an introduction to the behaviour, relationships, and performance of individuals and groups in work organizations as well as the nature of organizational structure and processes. Organizational dynamics are examined with a view to creating an effective working environment from a human perspective.
Pre-requisites: Accepted to the Business Administration Program

COMM 240 - FINANCIAL ACCOUNTING I
COMM 240: Financial Accounting I is an introductory course in accounting from the basic accounting equation to the preparation of the income statement, statement of owner's equity and balance sheet. This course covers merchandising operations, valuation and control of cash, temporary investments and receivables, inventories and cost of goods sold, principles of internal control and accounting for payroll liabilities. Includes important accounting principles and concepts as well as the classification of accounts. The use of special journals, worksheets and computerized accounting is also covered.
Pre-requisites: Accepted to the Business Administration Program

COMM 241 - FINANCIAL ACCOUNTING II
COMM 241: Financial Accounting II is the second financial accounting course, reviewing and enlarging upon concepts and principles, their application to and effect upon financial statements. Topics include: capital and intangible assets, current and long-term liabilities, partnership accounting, accounting for corporate transactions, notes and bonds payable, the cash flow statement, and financial statement analysis.
Pre-requisites: COMM 240 with a grade of "C" or better.

ECON 106 - PRINCIPLES OF MACROECONOMICS
ECON 106: Principles of Macroeconomics covers topics including: national income accounts, national income determination model, monetary system, monetary and fiscal policy, problems with the Macro System, inflation, unemployment, etc.; international trade - balance of payments, exchange rates, capital flows.
Pre-requisites: ENGL 12 or equivalent with a grade of "C" or better.

ECON 107 - PRINCIPLES OF MICROECONOMICS
ECON 107: Principles of Microeconomics is usually taken following ECON 106: Principles of Macroeconomics. Topics covered include: supply and demand - price supports, the agricultural problem, value theory, theory of the firm - competition, pollution, industrial organization - monopoly, public utilities, advertising, income distribution - labour unions, productivity.
Pre-requisites: ENGL 12 or equivalent with a grade of "C" or better.

ENGL 110 - COLLEGE COMPOSITION
English 110 is about thinking and writing. You will learn how to develop and express informed opinions on issues that matter. You will also learn about research, editing, and expository and persuasive academic writing forms.
Pre-requisites: A "C" or better in ENGL 12 or equivalent or LPI level 4 or written permission of the Instructor and School Chair.

MATH 125 - BUSINESS MATHEMATICS
MATH 125: Business Mathematics is intended for first year students enrolled in the Business Administration program. It stresses the mathematics required in financial processes. The course starts with a review of basic arithmetic and algebra. With these skills the student will solve several practical business problems. Topics include (but are not limited to) ratio and proportion, merchandising, break-even analysis, simple interest and promissory notes, compound interest and effective rates, simple and general annuities, annuities due and deferred annuities, amortization of loans and payment schedules, sinking funds and investment decision analysis.
Pre-requisites: Pre-Calculus 11 or equivalent with grade of "C+" or better, or written permission of the Instructor and School Chair.
Management (Part-Time)

PART-TIME STUDIES
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<td>ADMN 230</td>
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<tr>
<td>ADMN 171</td>
<td>Management Principles</td>
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<td>ECON 107</td>
<td>Principles of Microeconomics</td>
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<td>ADMN 255</td>
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<td>ADMN 296</td>
<td>International Business</td>
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<td>ADMN 297</td>
<td>Developing a Business Plan</td>
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STAT 105 - INTRODUCTION TO STATISTICS

STAT 105: Introduction to Statistics is intended for social, environmental science and business students and others who would benefit from a one-term statistics course. General themes include descriptive statistics, probability, probability and sample distributions, confidence intervals and hypothesis testing.

Pre-requisites: Foundations of Math 12 or Pre-calculus 11 or equivalent, with a grade of "C+" or better, or written permission of the Instructor and School Chair.

STAT 206 - STATISTICS

This course provides an introduction to statistical methods intended for students of Engineering or the Sciences. Descriptive statistics, probability and inferential statistics are covered at a level appropriate for students with some calculus background. The students will learn to calculate confidence intervals and perform hypothesis testing for experiments involving one and two samples. Linear regression and correlation may be introduced if time permits.

Pre-requisites: Math 100 or Math 140 or an equivalent calculus course that introduces integral calculus.

TWC 164 - INTRODUCTION TO REPORT AND LETTER WRITING

TWC 164: Introduction to Report and Letter Writing is an introduction to the fundamentals of effective written communication. Components include communication theory and its application to business situations. Students are required to master basic English writing skills and show competence in producing conventional technical formats, such as memorandum, business letters, short or informal reports, résumés and cover letters.

Pre-requisites: ENGL 12 with a grade of "C+" or better, or LPI score of Level 4 or higher.

TWC 165 - ORAL PRESENTATIONS AND SKILLS TRAINING

TWC 165: Oral Presentations and Skills Training focuses on complex oral and written communication. Material covered includes how to conduct technical research; how to use graphics; how to write instructions, formal reports, and proposals; how to write for the Web, and how to give informative and persuasive oral presentations.

Pre-requisites: TWC 164 with a grade of "C" or better, or equivalent, or written permission of the instructor and School Chair.

Contacts

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Admissions Contact
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Fax: 250.365.3929
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DEANNE STEVEN
Program Advisor/Instructor, School of Business
Phone: 1.888.953.1133 ext 21445
Direct: 250.365.1445
Email: dsteven@selkirk.ca

BUSINESS CONTACT
Program Contact
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Email: business@selkirk.ca

KAMREN FARR
Chair, School of Business
Phone: 1.888.953.1133 ext 21250
Direct: 250.365.1250
Email: kfarr@selkirk.ca

TIFFANY SNAUWAERT
Dean, Community Education & Workplace Training, the School of Business, and the School of Environment & Geomatics
Phone: 1.888.953.1133 ext 21268
Direct: 250.365.1268
Fax: 250.365.1260
Email: TSnauwaert@selkirk.ca
Carpentry Apprenticeship  

selkirk.ca/carpentry-apprenticeship

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**Program Summary**

Carpenters are in high demand, giving you high earning and career growth potential. With this trade, you'll enjoy the flexibility of being an independent contractor or the security of working for larger organizations.

Selkirk College is endorsed by the BC Industry Training Authority to deliver all four levels of Carpentry Apprenticeship Technical Training to registered carpentry apprentices.

Each level of training consists of a full-time (30 hours per week), seven-week, on-campus program of study. Activities include classroom sessions where as an apprentice you will learn theoretical principles of carpentry, and shop sessions where knowledge is put to use in the mastery of practical skills.

**HARMONIZED CARPENTRY APPRENTICESHIP**

Note: New Carpenter Apprentices starting the program after April 2018 will be required to complete their levels in the harmonized program. For an explanation of why Carpentry is being Harmonized in BC please see the Industry Training Authority.

Harmonized apprentice levels will be regularly scheduled as follows:

- Level 1 intakes offered after April 1, 2018
- Level 2 intakes offered after April 1, 2019
- Level 3 intakes offered after April 1, 2020
- Level 4 intakes offered after April 1, 2021

Current Carpentry Apprentices will have the following options to complete their training:

**OPTION 1: COMPLETE THE CURRENT PROGRAM**

Apprentices that began their training prior to April 2017 are encouraged to complete each level of training in their current stream as follows:

- Level 2 by March 31, 2018
- Level 3 by March 31, 2019
- Level 4 by March 31, 2020

**OPTION 2: TRANSITION FROM THE CURRENT STREAM TO THE HARMONIZED STREAM**

Current apprentices that need to transition to the new program will need to complete GAP training in order to enter the new stream. Additional training is required to address the gaps in program content as follows:

- Transition from current Level 1 to harmonized Level 2:
  - No transition or Gap training is allowed.
- Transition from current Level 2 to harmonized Level 3:
  - Gap training consisting of 46 hours of missing content is required (approximately 1 week of full-time training).
- Transition from current Level 3 to harmonized Level 4:
  - Gap training consisting of 17 hours of missing content.

**CONSIDER CARPENTRY IF YOU ARE**

- Physically fit, (mobility/lifting) good manual dexterity, hand-eye coordination, balance, work at heights & in adverse weather
- Indentured in Carpentry Apprenticeship

**READY TO APPLY?**

Please make sure you meet all admission requirements, including the general admission requirements for the college.

- International Students (students who are applying to Selkirk College from locations outside of Canada) should follow the application steps required by Selkirk International.

Learn more about applying to Selkirk in person, by mail or online.

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**Admission Requirements**

The following admission requirements are specific to the Carpentry Apprenticeship Program.

- Physically fit, (mobility/lifting) good manual dexterity, hand-eye coordination, balance, work at heights & in adverse weather
- Indentured in Carpentry Apprenticeship

**Careers**

Carpenters perform all work in connection with the assembly and erection of forms for concrete, wood and metal frame construction, and install interior and exterior finishing for residential, commercial and industrial projects, while confirming to plans, specifications and local building codes.

A carpenter may work independently or within an organization. Most carpenters earn between $15 and $30 per hour depending on their skill, qualifications, location and employer. Carpenter can advance to senior level positions such as foreperson, contractor or subcontractor where they can earn $50 or more per hour.

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**Level 1 - Level 4 Course of Studies**

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<thead>
<tr>
<th>Course</th>
<th>Name</th>
<th>Credit</th>
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<tr>
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<td>Carpentry Apprenticeship Level 1</td>
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<td>CRPLN 290</td>
<td>Carpentry Apprenticeship Level 2</td>
<td>On Campus</td>
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<tr>
<td>CRPLN 390</td>
<td>Carpentry Apprenticeship Level 3</td>
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</tr>
<tr>
<td>CRPLN 490</td>
<td>Carpentry Apprenticeship Level 4</td>
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**Carpentry Apprenticeship Technical Training**

Silver King Campus, Nelson

CAMPUS:

Technical Training

ACCREDITATION:

Technical Training

LENTH OF STUDY:

7 Weeks

CRPLN 190 Carpentry Apprenticeship Level 1  
CRPLN 290 Carpentry Apprenticeship Level 2  
CRPLN 390 Carpentry Apprenticeship Level 3  
CRPLN 490 Carpentry Apprenticeship Level 4  

**Level 1 - Level 4 Course of Studies**

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<tr>
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<th>Name</th>
<th>Credit</th>
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<tr>
<td>CRPLN 190</td>
<td>Carpentry Apprenticeship Level 1</td>
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<td>CRPLN 290</td>
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<td>CRPLN 490</td>
<td>Carpentry Apprenticeship Level 4</td>
<td>On Campus</td>
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**APPLICATIONS**

 selkirk.ca/carpentry-apprenticeship
Program Courses

CRPLN 190 - CARPENTRY APPRENTICESHIP LEVEL 1
- Safe Work Practices
- Documentation and Organizational Skills
- Tools and Equipment
- Survey Instruments and Equipment
- Access, Rigging and Hoisting Equipment
- Site Layouts
- Concrete Formwork
- Wood Frame Construction
- Building Science
*Pre-requisites: Indentured in Carpentry Apprenticeship*

CRPLN 290 - CARPENTRY APPRENTICESHIP LEVEL 2
- Documentation and Organizational Skills
- Tools and Equipment
- Survey Instruments and Equipment
- Site Layout
- Concrete Formwork
- Wood Frame Construction
- Finishing Materials
- Building Science
*Pre-requisites: Indentured in Carpentry Apprenticeship*

CRPLN 390 - CARPENTRY APPRENTICESHIP LEVEL 3
- Documentation and Organizational Skills
- Tools and Equipment
- Site Layout
- Concrete Formwork
- Wood Frame Construction
- Finishing Materials
*Pre-requisites: Indentured in Carpentry Apprenticeship*

CRPLN 490 - CARPENTRY APPRENTICESHIP LEVEL 4
- Documentation and Organizational Skills
- Survey Instruments and Equipment
- Site Layout
- Wood Frame Construction
- Finishing Materials
- Building Science
*Pre-requisites: Indentured in Carpentry Apprenticeship.*

Contacts

TRADES ADMISSIONS
Registration Contact
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Email: trades@selkirk.ca

INDUSTRY AND TRADES
Program Contact
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Direct: 250.354.3221
Fax: 250.352.3180
Email: trades@selkirk.ca

ROB SCHWARZER
School Chair
Phone: 250.352.6601 ext 13212
Direct: 250.354.3212
Email: rschwarzer@selkirk.ca
Carpentry Foundation

As the backbone of vibrant communities, your work as a carpenter will be in high demand, giving your career high earning and growth potential. With this trade, you’ll enjoy the flexibility of being an independent contractor or the security of working for larger organizations.

Students engage in a variety of classroom and shop activities. Theoretical principles of construction are learned in the classroom, while the majority of the time is spent in the shop where students learn and gain mastery of practical carpentry skills. Early activities include the fabrication of small projects where students learn safe practices, proper tool use and fundamental construction techniques. Gradually, students build structures of increased complexity that simulate real-world construction scenarios. Students learn to lay out buildings and to construct concrete formwork, floors, walls, roofs, and stairs in compliance with BC Building Code standards.

EDUCATIONAL BENEFITS
– Theoretical principles of carpentry
– Practical in-shop training
– 450 work-based hours (towards your "on-the-job apprenticeship component")
– Credit for your level one technical training
– Knowledge of provincial and national codes

This 24-week program prepares learners for entry level positions as apprentice carpenters with home builders or building contracting companies involved in residential, commercial, or industrial construction. Students earn credit for the Level One technical training component of the carpentry apprenticeship as well as advance credit for 450 work-based hours of the practical on-the-job component of an apprenticeship.

JOB DUTIES
– Concrete, wood and metal frame construction
– Installation of interior and exterior finishing
– Residential, commercial and industrial projects
– Conforming to plans, specifications and local building codes

Graduates of the Carpentry Foundation Program at Selkirk College typically find employment as apprentice carpenters engaged in the construction of wood, metal and concrete structures in residential, commercial, institutional and industrial settings. You’ll get practical experience and detailed in-class training so you’ll know how to create buildings from the ground-up and deliver the results employers want.

YOUTH TRAIN IN TRADES
For more information speak with your high school guidance counsellor or get in touch with Selkirk College’s Industry and Trades administrative assistant.

Admission Requirements
The following admission requirements are specific to the Carpentry Foundation Program.
– Graduation from a British Columbia Senior Secondary School or equivalent.
– Foundations & Pre-Calculus 10, or Apprenticeship Workplace 11, or Principles 10, or Applications 11, or Essentials 12, or Selkirk ABE Math 46, with a grade of "C" or better.
– A refundable tool deposit of $100 will be required at the start of the program.

READY TO APPLY?
– Please make sure you meet all admission requirements, including the general admission requirements for the college.
– International Students (students who are applying to Selkirk College from locations outside of Canada) should follow the application steps required by Selkirk International.

Learn more about applying to Selkirk in person, by mail or online.

Contacts

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Program Contact
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Direct: 250.354.3221
Fax: 250.352.3180
Email: trades@selkirk.ca

ROB SCHWARZER
School Chair
Phone: 250.352.6601 ext 13212
Direct: 250.354.3212
Email: rschwarzer@selkirk.ca
Course of Studies

Start working toward your two-year Studio Arts Diploma by completing a 10-month Certificate.

<table>
<thead>
<tr>
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<th>Course</th>
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<td>CERM 103</td>
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<td>Drawing as a Basic Visual Communication</td>
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<td>Design as a Basic Visual Language</td>
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<td>CERM 104</td>
<td>Hand Forming and Molding</td>
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<td>CERM 106</td>
<td>Ceramic Technology 2 - Surface and Kiln</td>
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<td>CERM 112</td>
<td>Studio 1 - Design for Production</td>
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<td>CERM 120</td>
<td>Self-Directed Studio 1</td>
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Program Summary

Ceramic work exemplifies the human ability to be both innovative and purposeful in the pursuit of designing and making, with the most basic of materials—clay.

With instruction in forming techniques, glaze technology, surface treatment and kiln operation, we combine studio and conceptual skills. The courses will refine and strengthen your creative talents. In your studio time, you will obtain confidence with ceramic processes, knowledge of studio safety and achieve individual goals. Our practicing artist instructors demonstrate and assign exercises in contemporary ceramic design methods as well as traditional techniques in handbuilding, mold making, wheel forming, glazing and firing.

PROGRAM OBJECTIVES

The Ceramics Studio’s instructors will place particular emphasis on engaging students in developing a body of work in preparation to pursue an independent practice.

COURSES INCLUDE

- Individual Product Design and Making
- Wheel thrown forming
- Handbuilding, molding, extruding
- Slip casting
- Personalized Surface Treatment
- Textures
- Ceramic screen prints
- Slips/underglazes
- Glaze technology
- Understanding the Kiln
- Electric kiln technology
- Introductory gas firing

Admission Requirements

In addition to meeting the general entrance requirements for admission to Selkirk College, an applicant must meet the following Kootenay Studio Arts programming (KSA) entrance requirements

QUESTIONNAIRE

All applicants must complete and submit the following questionnaire at least one week prior to their scheduled interview date. The questionnaire helps us to understand the applicant's interest and commitment to the studio program.

Submit the questionnaire and portfolio using the Kootenay Studio Arts online form at selkirk.ca/ceramics.

INTERVIEW

All applicants are required to participate in an interview with a program instructor from the Kootenay School of the Arts program. Telephone interviews will be arranged for those applicants who, because of distance, cannot attend in person. The interview is an opportunity for applicants to introduce themselves, present their work and discuss their interests within the arts. The instructor will assess the applicant’s preparedness for entry into the program and will ask about commitment, goals and expectations, design knowledge, experience and communication skills. It is also an opportunity for applicants to ask any questions they might have about the program and for faculty to recommend upgrading if necessary.

PORTFOLIOS

The portfolio is designed to assess your skill level to help instructors increase your chances of success in your studio program. KSA is looking for a demonstration of visual awareness, creativity and technical skill. The portfolio pieces may be of any medium and they need not be specific to studio preference.
PORTFOLIO GUIDELINES

- The number of pieces in an applicant’s portfolio will vary depending on the manner in which the applicant works. Generally, the admissions committee would like to see a minimum of six and a maximum of twenty-four pieces.
- Portfolios can be submitted by using the online form or mailed to Kootenay Studio Arts.
- Two-dimensional works may be presented in their original form. Three-dimensional pieces or any works on a large scale should not be brought to the interview but represented by slides or photographs.
- An applicant’s portfolio must be the applicant’s own original work. It can include variations and modifications of existing work.
- Applicants should organize their work and set it out so that it shows development over a period of time or group it according to type.
- Applicants should bring their workbooks and journals. School assignments and independent explorations will also be helpful to the Admissions Committee.
- Applicants must keep their presentations simple and neat. Work should not be matted or elaborately framed.

SUBMIT YOUR PORTFOLIO IN ONE OF THE FOLLOWING FORMATS

- Submit the portfolio using the Kootenay Studio Arts online form
- Portable storage device
- CD or DVD (jpeg format)
- Online portfolio (Tumblr, Behance, Flickr) emailed to arts@selkirk.ca.
- Hard copy

HARD COPY PORTFOLIOS FOR TELEPHONE INTERVIEWS MAILED TO
Kootenay Studio Arts at Selkirk College
606 Victoria Street
Nelson, BC
V1L 4K9

Every precaution is taken to ensure that portfolios are handled with care. KSA does not accept responsibility for any loss or damage to submitted materials. All portfolios that the school has not been able to return to applicants by November 15 will be recycled.

Program Courses

CERM 105 - INTRODUCTION TO GLAZE TECHNOLOGY AND SURFACE TREATMENT
Introduction to Glaze Technology and Surface Treatment is an introduction to glaze chemistry and formulation. Students will develop their own personal glaze palette using the raw materials that make up commercial glazes. Other surface treatments covered will include slips, under glaze and screen printing.

CERM 101 - WHEEL 1
Wheel 1 is an introduction to working on the wheel. Contemporary methods of altering forms, surface treatments, and handbuilt additions will be emphasized.

CERM 102 - WHEEL 2
Students focus on a continued wheel practice that will broaden and refine their techniques and aesthetic approaches for shaping and assembling potter’s wheel forms. Strengthening skills and personal directions will be emphasized.

CERM 103 - HAND FORMING I
Students in Hand Forming 1 will be introduced to basic hand forming techniques as well as simple molds and extruded work. The emphasis is on designing and producing innovative forms.

CERM 104 - HAND FORMING AND MOLDING
This is a project based course that will engage students in expanding hand forming techniques. Projects will be designed to explore and establish directions in both production and one-of-a-kind ceramics. The emphasis will be on experimentation and developing a personal expression.

CERM 106 - CERAMIC TECHNOLOGY 2 - SURFACE AND KILN
In this course a confident understanding of the kiln will be integrated with students completing their studio ceramic work. Technology included will be firing cycles, safe practices, maintenance and history. Glaze and surface directions are explored and applied in relation to kiln operation.

CERM 108 - STUDIO SPECIFIC DESIGN
Students will develop ceramic forms that examine and experiment with concepts, elements and principles of design. Participation in critical reviews will be central to this course.

CERM 112 - STUDIO 1 - DESIGN FOR PRODUCTION
Students will engage in developing a body of work in preparation for production. With weekly critiques, there will be an emphasis on examining individual design issues and resolving technical problems.

CERM 114 - STUDIO 2 - GLAZE & SURFACE DEVELOPMENT
Instruction will be weekly seminars and individual focused meetings with the instructor that are based on student’s needs and in support of the Design for Studio Production course.

CERM 120 - SELF-DIRECTED STUDIO 1
Self directed studio-based exploration where students receive some mentorship. Students develop individual choices and expressions with support and encouragement of faculty advisors.

PPD 101 - DRAWING AS A BASIC VISUAL COMMUNICATION
This is a basic drawing course designed to give students a background and experience in the fundamentals of drawing as a basic visual communication. Through exercises and assignments, the student will learn to use drawings as a tool to record a concept, manipulate, develop, communicate and refine those concepts.

PPD 103 - DESIGN AS A BASIC VISUAL LANGUAGE
To introduce students to the elements and principles of design through a series of two and three dimensional design projects which place an emphasis on creative problem solving. Critical analysis and discussion will have an important role in all aspects of developing a visual vocabulary. Throughout course projects and personal research, students will investigate the process of design and the relevance it has to their studio practice, and their personal development.
PPD 104 - INTRODUCTION TO DIGITAL DESIGN APPLICATIONS
Developed to compliment and expand the skill set of the traditional artist, Introduction to Digital Design Applications will introduce students to image creation and processing techniques using Adobe Photoshop and Adobe Illustrator. Emphasis will be placed on creative workflow, image file types, drawing and painting tools, colour correction and artistic exploration. Additional topics include the production of self-promotional materials for both print and web, and an introduction to 3D design options for both jewelry and clay production.

PPD 111 - PROFESSIONAL PRACTICE AND DESIGN
This course provides information to assist the emerging crafts-person, designer, and maker in developing skills for selling their work in a commercial context. A variety of approaches will cover three broad areas of study: management, business, and marketing.

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Instructor
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Email: jtaylor@selkirk.ca

LAURA WHITE
Jewelry Instructor/Coordinator
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Email: lwhite@selkirk.ca
LENGTH OF STUDY:
2 Years

ACCREDITATION:
Associate of Science in Chemistry and Transfer to BSc

CAMPUS:
Castlegar Campus

Program Summary

Look anywhere; you'll find chemistry there!

WE’RE A HANDS-ON DISCIPLINE
Combine in-class theory with hands-on experiments in the lab to get the experience you need for success. Learn the basics of using chemical equipment to measure physical and chemical properties. Working in the laboratory while you study chemistry fundamentals will ensure you'll be ready for success in further education as you work towards your degree in chemistry, medicine, dentistry, engineering, nutrition, pharmacy and much, much more.

CHEMISTRY IS THE CENTRAL SCIENCE
Basic chemical principles are vital in all areas of science and in many fields you might not imagine. For example, chemistry is vital to fine arts – from paints and pigments to restoration. Understanding how chemicals are structured, operate independently, and interact together will take you a long way in your chosen career.

EVER WONDER HOW THINGS WORK?
What is the structure of DNA, and how does that allow it to replicate? Why is carbon added to iron to make steel? How do plants transform sunlight to energy? Do solar panels use the same trick? Why do manufacturers put additives in food, and should we worry?

An understanding of the basic structure of matter is important not only to chemistry majors, but to biologists, physicists, and engineers and physicians as well. Chemistry is truly the “central science.”

That’s why a course in general chemistry is essential to all. Selkirk offers a range of chemistry courses, for complete novices to students with previous chemistry experience who want to learn more. We provide excellent preparation for students looking to complete university science degrees, and for those who are just looking to strengthen their problem-solving skills.

Year 1

The following is a suggested mix of courses to satisfy requirements for the associate of science degree in chemistry. Courses should always be chosen in consultation with a Selkirk College counsellor.

Notes:

Students transferring to SFU should choose BIOL 204 as their second-year science elective.
Students transferring to UNBC or TRU should choose CPSC 100 as an elective.
Students transferring to TRU should choose TWC 165 as an elective.

Students are advised to ensure that their course selections will meet the degree requirements of the subsequent institution(s) they plan to attend.

SEMESTER 1

<table>
<thead>
<tr>
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<th>Name</th>
<th>Credit</th>
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</tr>
<tr>
<td>CHEMISTRY</td>
<td>Chemistry Requirement: CHEM 110 or CHEM 122</td>
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</tr>
<tr>
<td>PHYSICS A</td>
<td>Physics Requirement: PHYS 102 or PHYS 104</td>
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</tr>
<tr>
<td>MATH 100</td>
<td>Calculus I</td>
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Total 15

SEMESTER 2

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Total 15

Year 2

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<td>ARTS I</td>
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<tr>
<td>CHEM 213</td>
<td>Organic Chemistry II</td>
<td>On Campus 3</td>
</tr>
<tr>
<td>CHEM 222</td>
<td>Introductory Physical Chemistry</td>
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<td>MATH 221</td>
<td>Introductory Linear Algebra</td>
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<td>ARTS I</td>
<td>First or Second Year Arts Requirement</td>
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</table>

Total 15
CAREER OPPORTUNITIES

- Analytical Chemist
- Art Restorer
- Biomedical Engineer
- Brewmaster
- Chemical Engineer
- Chemical Sales Rep
- Clinical Chemist (MD/PhD)
- Crime Scene Analyst
- Food Scientist
- Forensic Scientist
- Fragrance Developer
- Hazardous Materials Manager
- Inorganic Chemist
- Materials Researcher
- Medical Researcher
- Metallurgist
- Optometrist
- Patent Agent
- Pharmaceutical Researcher
- Pharmacist
- Researcher
- Science Teacher
- Toxicologist
- Water Quality Inspector

PROGRAM OUTCOME(S)

Students who complete either CHEM 125 will have fulfilled the first-year chemistry requirements for degrees in chemistry, biology, engineering, physics, environmental science, pharmacy, and nutrition at all universities in British Columbia. These courses are also required for application to medical and dental school.

Skills you will acquire in a chemistry degree:

- Recognition of the role of chemistry in everyday life
- Comprehensive knowledge of the structure and properties of matter, including the energy changes that accompany chemical reactions
- The ability to predict the behaviour of matter and interpret a wide variety of phenomena
- The skills to formulate and test scientific hypotheses
- The ability to present your thoughts clearly and intelligently in written statements
- Deduction of information from various sources
- The capacity to critically analyze problems and think creatively

If you like chemistry, you may also like biochemistry, anthropology, archaeology, biology, medicine, food science and nutrition, forensics, lab technology.

Admission Requirements

Admission to the Associate of Science degree in Chemistry program requires the completion of Biology 12, Chemistry 11, English 12, Physics 11 with a grade of "C" or higher, and Pre-calculus 12 or Principles of Math 12 with a grade of "C+" or higher. Physics 12 is recommended, and Chemistry 12 is STRONGLY recommended.

Program Courses

- FIRST OR SECOND YEAR ARTS REQUIREMENT

Students may take any first- or second-year UAS Arts elective (Humanities or Social Sciences) excluding your major discipline.

BIOL 104 - BIOLOGY I

A course designed for those students who require first year biology in their program of study or who wish to go on to further study in biology. The course includes cell biology, biochemistry, and an examination of the processes of life in the plant and animal body. A strong emphasis is placed on the development of critical thinking skills through problem solving, research design, and laboratory analysis.

Pre-requisites: BIOL 12 or equivalent and CHEM 117 or equivalent. Students lacking the stated prerequisites may enrol in the course with written permission of the School Chair; however, they should be aware that they will be required to do additional work. This course is available via Distance Education, but requires attendance at weekly on-site labs.

BIOL 106 - BIOLOGY II

Along with BIOL 104 (Biology I), this course provides an overview of the study of living things. Biology 106 presents topics in population, community and ecosystem ecology, and classical and molecular genetics. Evolution provides a unifying theme for the course. A strong emphasis is placed on the development of critical thinking skills through problem solving, case studies and laboratory investigation.

Pre-requisites: BIOL 104 with a grade of "C" or better or written permission of the Instructor and School Chair.

CHEM 125 - FOUNDATIONS OF CHEMISTRY II

CHEM 125: Fundamentals of Chemistry II is the continuation for either CHEM 110 or CHEM 122. The course consists of two major units: physical chemistry and organic chemistry. The study of physical chemistry begins with an investigation of reaction rates (kinetics), followed by the principles of equilibria applied to pure substances and aqueous solutions, and an introduction to the laws of thermodynamics. The second major unit is a survey of the field of organic chemistry; topics include the physical and chemical properties of alkanes and alkenes, stereochemistry, and addition, substitution, and elimination reactions. The laboratory work involves the measurement of physical and chemical properties as well as chemical syntheses.

Pre-requisites: CHEM 110 or CHEM 122 with a grade of "C" or better, or written permission of the Instructor and School Chair.

CHEM 212 - ORGANIC CHEMISTRY I

CHEM 212: Organic Chemistry I, explores the relationship between the structures of carbon-containing molecules and their physical and chemical properties. Some topics from first-year general chemistry are reviewed briefly: alkanes, stereochemistry, alkenes, and nucleophilic substitution and elimination reactions of alkyl halides. The correlation between structure and acidity is investigated, and the chemistry of alkenes and alcohols is examined. Structure-determination techniques, including IR and NMR, are explored. The laboratory work for this course provides practical experiences with separation/purification techniques, molecular synthesis, and qualitative analytical methods applied to organic compounds.

Pre-requisites: CHEM 125 with a grade of "C" or better, or written permission of the Instructor and School Chair.

CHEM 213 - ORGANIC CHEMISTRY II

CHEM 213: Organic Chemistry II is a continuation of CHEM 212. The survey of organic families is continued with a study of aldehydes and ketones, carboxylic acid derivatives, aromatics and amines. The chemistry
of a variety of compounds of biological interest is also
discussed. The laboratory work involves synthesis
and organic structure determination.

Pre-requisites: CHEM 212 with a grade of "C" or better, or
written permission of the Instructor and School Chair.

CHEM 222 - INTRODUCTORY
PHYSICAL CHEMISTRY

CHEM 222: Introductory Physical Chemistry presents
the basic concepts of chemical thermodynamics
and equilibria. The properties of solutions,
electrochemical reactions, acidic and basic systems
are examined. In the laboratory, some quantitative
properties of physicochemical systems are measured.

Pre-requisites: CHEM 125 and MATH 101 each with
a grade of "C" or better, or written permission of the
Instructor and School Chair.

- CHEMISTRY REQUIREMENT:
CHEM 110 OR CHEM 122

Students requiring first-year chemistry have a choice
of Chemistry 110 or Chemistry 122.
– CHEM 110: Fundamentals of Chemistry
– CHEM 122: General Chemistry I

- ENGLISH REQUIREMENT:
ENGL 110 OR ENGL 112

Students requiring first-year English have a choice
of the English 110/111 sequence and the 112/114
sequence.
– ENGL 110 - College Composition
– The 110/111 sequence is focused on the
development of academic writing and research.
– ENGL 112 - Introduction to Poetry and Drama
– The 112/114 sequence is focused on the
interpretation of literature.

- ENGLISH REQUIREMENT:
ENGL 111 OR ENGL 114

Students requiring first-year English have a choice of
the English 110/111 or the 112/114 sequence. The
110/111 sequence is focused on the development of
academic writing and research.
– ENGL 111 - Introduction to Literature
– The 112/114 sequence is focused on the
interpretation of literature.
– ENGL 114 - Introduction to Prose Fiction

MATH 100 - CALCULUS I

A course designed to provide students with the
background in calculus needed for further studies.
This course includes: a review of functions
and graphs; limits; the derivative of algebraic,
trigonometric, exponential and logarithmic functions;
applications of the derivative including related
rates, maxima, minima, velocity and acceleration;
the definite integral; an introduction to elementary
differential equations; and, applications of integration
including velocity, acceleration, areas, and growth
and decay problems.

Pre-requisites: Pre-calculus 12, Principles of MATH 12
or equivalent with a grade of "C" or better or written
permission of the Instructor and School Chair.

MATH 101 - CALCULUS II

This course is a sequel to MATH 100 for those
students who wish to major in mathematics,
sciences or applied sciences. The course includes:
 antidifferentiation and integration; the definite
integral; areas and volumes; transcendental
functions; techniques of integration; parametric
equations; polar coordinates; indeterminate forms,
improper integrals and Taylor's formula; and infinite
series.

Pre-requisites: MATH 100 or equivalent with a grade of
"C" or better or written permission of the Instructor and
School Chair.

MATH 221 - INTRODUCTORY
LINEAR ALGEBRA

Math 221: Introductory Linear Algebra, provides an
introduction to linear algebra and vector spaces.
Topics covered in the course include the solution
of systems of linear equations through Gaussian
elimination; matrices and matrix algebra; vector
spaces and their subspaces; coordinate mappings
and other linear transformations; construction
of Gram-Schmidt bases and least-square
approximations. Although the course devotes
a substantial amount of time to computational
techniques, it should also lead the student to develop
geometrical intuitions, to appreciate and understand
mathematical abstraction and to construct some
elementary proofs.

Pre-requisites: MATH 100 with a grade of "C" or better or
written permission of the Instructor and School Chair.

- PHYSICS REQUIREMENT:
PHYS 103 OR PHYS 105

Students requiring first-year physics have a choice
of Physics 103 or Physics 105.
– PHYS 103: Basic Physics I
– PHYS 105: Fundamental Physics II

- SECOND YEAR SCIENCE ELECTIVE

Students must take a second-year UAS Sciences
course. Each course must transfer for three or more
credits to at least one of: SFU, UBC (Vancouver or
Okanagan), UNBC or UVIC.

To learn more about how your courses transfer visit
the online BC Transfer Guide or contact a Selkirk
counsellor.

- GENERAL UAS ELECTIVE

A student may take any first-year or higher university
transferable course to satisfy this elective. Each
course must transfer for three or more credits to
at least one of: SFU, UBC (Vancouver or Okanagan),
UNBC or UVIC. To learn more about how your courses
transfer visit the online BC Transfer Guide or contact
a Selkirk counsellor.

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Contacts

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Program Contact
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Email: UAS@selkirk.ca

TRACY PUNCHARD
School Chair of UAS; Instructor, English
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You’re Almost There
Looking to upgrade your skills and get into that awesome first-year course or program? This is the place to get courses in biology, chemistry, English, math, and physics to get you started. To help you find these prep courses faster, look for courses that are designated with a course number less than 100 (such as English 051 or Physics 060.) Here is the complete list of college prep courses offered through University Arts & Sciences:

- BIOLOGY 050
- BIOLOGY 051
- CHEMISTRY 050
- ENGLISH 051
- MATH 050
- MATH 051
- MATH 097
- PHYS 050
- PHYS 060

Upgrading (formerly ABE) also offers high-school-level courses to help you prepare for college at a number of centres within our region.

Program Courses

BIOL 050 - Advanced Level Introduction to Biology and Ecology
Biology 050: Advanced Level Introduction to Biology and Ecology introduces the student to biology: the study of living organisms and life processes. The student will learn about the diversity of life, plant and animal cells, ecology, and evolution, exploring concepts in the lab and in the field. This course prepares the student for further studies in biology, natural resources and earth sciences, and is equivalent to Grade 11 level biology.

Pre-requisites: Science 10 and English 10 or written permission of the Instructor and School Chair.
Co-requisites: English 50 or equivalent.

BIOL 051 - Introduction to Biology II
This course provides an introduction to human anatomy and physiology. Topics covered include mitosis and asexual reproduction, meiosis and sexual reproduction, genetics, circulation, respiration, excretion, bones and muscles, nerves, endocrinology and immunity. A fundamental understanding of homeostatic mechanisms is stressed. The instructor may choose to include selected topics on the structure and function of plants as part of the course. The course is appropriate for students requiring an equivalent to Grade 12 biology.

Pre-requisites: BIOL 050, BIOL 11, or equivalent, or written permission of the Instructor and School Chair.

CHEM 050 - Basic Principles of Chemistry
This introductory course is designed to be equivalent to Chemistry 11 at the high-school level. Chemistry is introduced as an experimental science. Chemical symbols, nomenclature and the quantitative aspects of chemical reactions are emphasized.

Pre-requisites: Math 049 or Math 10, Math 050 or Pre-calculus Math 11 or Foundations of Math 11 should be taken concurrently.

ENGL 051 - Introductory Composition
This course is designed to prepare students for college level writing in academic or technical programs. The course concentrates on writing paragraphs and essays and the study of literature.

Pre-requisites: ENGL 11 or equivalent, or computer-based TOEFL score of 180, or sufficient College Readiness Tool (CRT) score.

MATH 050 - Algebra and Trigonometry I
This course is equivalent to Principles of Math 11 or Precalculus 11. It is also useful for those wishing to upgrade mathematics skills for career programs and trades training. The course includes: graphs, linear equations, functions, systems of equations, inequalities, polynomials and factoring, rational equations, exponents and radicals, quadratic equations, and trigonometry.

Pre-requisites: Math 49 or sufficient College Readiness Tool (CRT) score.

MATH 051 - Algebra and Trigonometry II
This course is a continuation of Algebra and Trigonometry I and is an equivalent to Principles of Math 12 or Precalculus 12. The course includes a review of basic algebra, functions, transformations, systems of equations, exponential and logarithmic functions, trigonometric functions, identities and equations, application of transcendental function, and arithmetic and geometric sequences and series. The course introduces counting and probability.

Pre-requisites: Pre-calculus 11, Principles of Math 11, MATH 050 or equivalent with a grade of “C” or better. Foundations 11 with written permission of the instructor or School Chair.

MATH 097 - Calculus Refresher
MATH 097 is a refresher for MATH 100 and is held one week before fall classes start. This course takes a quick look at critical skills/topics needed to be successful in calculus.
Community Support Worker Associate Certificate

**Program Summary**

An exciting professional development opportunity for experienced support workers!

**FLEXIBLE LEARNING**

The Community Support Worker (CSW) Associate Certificate is an option available only to experienced, employed learners. Eligible students take six Education Assistant & Community Support Worker (EACSW) courses to receive their CSW Associate Certificate and they then have the opportunity to ladder into the EACSW regular certificate program if they choose to continue their education.

**FURTHER EDUCATION OPPORTUNITIES**

CSW Associate Certificate can lead to entrance into the EACSW Program. After completing the EACSW requirements, graduates can then continue towards a second year in the Human Services Diploma, laddering into University Degree programs in Child and Youth Care, Social Work or Community Rehabilitation.

**Program Courses**

**CCSW 155 - FOUNDATIONS OF PRACTICE**

This course introduces students to the theory and philosophical perspectives necessary for working with individuals who are challenged by a disabling condition. Values regarding service delivery are explored through an historical review of the disability movement and an examination of new initiatives and trends. This course also explores the impact of specific challenging conditions on the individual, the family and the service providers’ practice. Through personal reflection and research, the roots of person centred support will be explored and students will develop their own personal and professional philosophy of support work.

**CCSW 156 - SUPPORT STRATEGIES**

This course focuses on support strategies used with individuals who have disabilities. The analysis and understanding of behaviour as a means of communication is explored. Strategies are learned and practised in context to support individuals with the development of pro-social skills, life, vocational, and academic skills. An awareness of issues related to healthy sexuality and the ethics of touch are explored. Emphasis is placed on the ethics of support work and effective implementation of strategies to support individuals with disabilities to be as independent as possible.

**CCSW 161 - PERSON-CENTERED PLANNING**

This course focuses on the need for planning, advantages and disadvantages of planning and the key elements of the planning process. The course examines how to identify and obtain information relevant to planning, formulation of long and short-term objectives, prioritization of objectives, and translation of objectives into action. Emphasis is placed on viewing planning as a dynamic process and analysis of human interaction as part of the planning process. Models for structuring positive interaction of all planning team members are reviewed.

**CCSW 165 - HEALTH AND WELLNESS**

CCWS 165: Health and Wellness is designed to introduce the essential concepts of health and wellness with emphasis on six dimensions of wellness including: emotional, intellectual, spiritual, occupational, social and physical. Students will examine health and wellness from two perspectives. The importance of professional accountability and authenticity in supporting the wellness of others will be emphasized.

**CCSW 170 - AUGMENTATIVE COMMUNICATION**

This course explores alternative forms of communication for people with little or no speech. Non-speech communication programming is examined through review of normal and disordered language and the strengths and weaknesses of various augmentative communication systems. Communication systems studied include sign language and other manual systems, pictogram/ideogram communication and electronic systems.

**HSER 174 - INTERPERSONAL COMMUNICATIONS**

HSER 174: Interpersonal Communications provides the student with an opportunity to examine personal goals, values and attitudes; develop and practice listening and responding skills, and become more aware of personal strengths and limitations.

This course is designed to help students gain self-understanding in order to be more effective in working with people.

**Contacts**

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TERESA PETRICK  
School Chair, Health and Human Services  
Phone: 250.365.7292 ext 21442  
Direct: 250.365.1442  
Email: tpetrick@selkirk.ca

**LENGTH OF STUDY:**  Flexible

**ACCREDITATION:**  Associate Certificate

**CAMPUS:**  Castlegar Campus

**FAM 180 - FAMILY DYNAMICS**

FAM 180: Family Dynamics is designed to provide students with a variety of theoretical perspectives to understanding families. It considers the diversity of families through the lenses of the life course perspective and political policies. The course is intended to be a foundation for further study of families. *The fall semester of FAM 180 is in the classroom, the winter semester offering is via distance learning.

**Pre-requisites:** Must be done concurrently with or after completing English 110  
**Co-requisites:** Must be done concurrently with or after completing English 110.
LENGTH OF STUDY:
Up to One Year

ACCREDITATION:
General Associate of Science and Transfer to BSc

CAMPUS:
Castlegar Campus

Program Summary
Selkirk College offers elective courses in computer science. These elective courses are transferable to a variety of post-secondary institutions. Course requirements vary among post-secondary institutions. We advise that you plan your program with a UAS School Chair for information on transferability.

– CPSC 100 - Introduction to Programming I
– CPSC 101 - Introduction to Programming II

Admission Requirements
Admission to the program requires the completion of Pre-calculus 12, Foundations 12, MATH 051 or MATH 50 with a grade of “C” or better, or written permission of the Instructor and School Chair. Other prerequisites depend on the electives chosen to complete the program. Students who lack the admission requirements may still gain entry to the program by taking a combination of upgrading and university courses in their first year. This may extend the length of their program.

General Transfer Information
In general, receiving institutions within BC will take up to 60 credits of transfer from a College. This transfer can either be on a course-to-course basis or can involve block transfer of a credential or other grouping of courses. Although course-to-course transfer works well, sometimes block transfer can have advantages.
Cook Training, Professional

**Cook 1**
3-Term Certificate at Tenth Street, Nelson.

<table>
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<td>Beverages</td>
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</table>

**Program Summary**

Your culinary career can take you all over the world with employment options in 5-star dining rooms to crafting perfect eggs benny at your favorite brunch spot. There's no limit to where your talent and creativity can take you.

Our skilled instructors teach you culinary fundamentals for detailed menu planning, quality ingredient selection and efficient meal preparation. You will learn in a live kitchen environment, providing cooking services for our student cafeteria, banquet guests, at regional competitions and in our signature Scholars Dining Room.

**Master Your Trade**
- Occupational Skills
- Baked Goods and Desserts
- Beverages
- Garde Manger
- Meat, Poultry and Seafood
- Stocks, Soups and Sauces and more
- You'll earn Professional Cook Industry Training Authority (ITTA) approved certification upon successful program completion. If you want to take your education further, you'll be set to enter our Culinary Management diploma program.

**Length of Study:**
3 Term

**Accreditation:**
Certificate

**Campus:**
Tenth Street Campus, Nelson

**Provincial Standard Certification**
Selkirk College offers three levels of the ITA provincial apprenticeship exams in both practical and theory are administered at the end of each level of training.

**Professional Cook**
Cook 1 is a 28-week Industry Training Authority provincially standardized program designed to train people for employment in restaurants, institutions, and fast-food outlets.

**Professional Cook 2**
Cook 2 is a 14-week, provincially standardized apprenticeship program designed to introduce students to the complexity, diversity and attractiveness of the Cooking profession. Students acquire practical experience preparing a la carte, table d'hote and prix fixe menu items for patrons of the College's training dining room.

**Professional Cook 3 – Red Seal Certification**
Cook 3 is the most advanced credential offered in this apprenticeship, this level is 6 weeks in length and meets all the requirements of the national Red Seal standard for cooks. Upon completion of the program students will be competent with all of the major techniques and principles used in cooking, baking and other aspects of food preparation. In addition to demonstrating a mastery of cooking skills, a professional cook at this level should be able to plan and cost menus and recipes, and have an understanding of the communication skills necessary to take a leadership role in the kitchen. Please contact Trades Admissions for further information.

**Youth Train in Trades**
For more information speak with your high school guidance counsellor or get in touch with Selkirk College's Industry and Trades administrative assistant.
Careers

The demand for professional cooks is very high and growing. There is tremendous potential for placement in many types of industry establishments. Students have found excellent steady employment in hospitals, camps, major resorts and hotels. Also many small establishments and restaurant chains employ our students locally and throughout BC and Alberta.

Program Courses

COOK 300 - PRACTICAL FINAL GRADE

COOK 300 - THEORY FINAL GRADE

COOK 100 - OCCUPATIONAL
SKILLS THEORY/PRACTICAL

TRADE KNOWLEDGE

Cooks need to understand the personal and professional expectations of various occupations in the trade as well as the training and certification programs available throughout their career.

SAFETY STANDARDS

There are many hazards present in the kitchen and a cooks must have a good working knowledge of recommended safety and fire prevention procedures.

MENU PLANNING

Cooks prepare food from a variety of different menu styles and formats, and should be familiar with common menu terminology and composition.

COOK 100 - STOCKS SOUPS AND SAUCES

STOCKS

Correctly prepared stocks are essential to the preparation of many dishes, and cooks must know the correct preparation methods and uses of a variety of types of stock.

THICKENING AND BINDING AGENTS

A number of different thickening and binding agents are used in food preparation, and cooks must select and use them correctly for a variety of tasks.

SOUPS

A variety of soups are prepared for use in most foodservice establishments, and cooks must know how to correctly prepare the basic types of clear and thick soups.

Admission Requirements

ACADEMIC

Admission is open to individuals who:

- have graduated from a BC senior secondary school or equivalent (may be under 19 years of age).
- an official secondary school transcript must be submitted.
- mature students must be least 19 years of age and have completed Grade 10 or equivalent with passing grades in Math and English, OR
- are at least 19 years of age and have been admitted at the discretion of the School Chair.

GENERAL

- All applicants are required to complete pre-admission Computer Placement Tests in Math and English placement.
- All applicants are required to complete a personal interview with the program instructor. Where circumstances make a personal interview impractical, a telephone interview may be conducted. It is recommended that applicants bring a resume to the interview. NOTE: Interview results are not used as criteria for admission.
- All applicants are required to have their physician perform a medical examination and then complete the medical assessment form confirming good general health, as well as the ability to stand for long periods of time and lift up to 25 kg.
SAUCES
Sauces are an integral part of many dishes, and cooks must know how to prepare and correctly use the leading types of sauces.

COOK 100 • VEGETABLES AND FRUITS

VEGETABLES
Cooks must identify, select and prepare a variety of vegetables on a daily basis for use in other dishes and as accompaniments.

FRUIT
Fruits and fruit juices are being used more and more frequently in food preparation. Cooks must be able to identify, select, and prepare them correctly.

COOK 100 • STARCHES

POTATOES
A variety of potatoes and potato dishes are used daily in most food service establishments. Cooks must identify different varieties of potatoes and then prepare them in a number of different ways correctly.

PASTAS AND FARINACEOUS PRODUCTS
Pasta and noodle dishes are an integral part of many menus. Cooks must be able to correctly identify, use, and prepare a variety of pasta and noodle dishes.

COOK 100 • MEATS

CUT AND PROCESS MEATS
Cooks must be able to identify various types of meat and cut and process them correctly. Cuts of meat are prepared differently according to their characteristics, and cooks must be able to identify the characteristics of each different type.

COOK MEATS
Meats are prepared in a variety of ways and cooks must be able to identify, select, and prepare different types of meat using dry, moist, and combination methods.

COOK 100 • POULTRY

CUT AND PROCESS POULTRY
Cooks must be able to identify various types of poultry and cut and process them correctly. Cuts of poultry are prepared differently according to their characteristics, and cooks must be able to identify the characteristics of each different type.

COOK POULTRY
A variety of poultry and poultry products are used in most foodservice operations, and cooks must be able to identify, select and prepare them correctly.

COOK 100 • SEAFOOD

CUT AND PROCESS SEAFOOD
Cooks must be able to identify, cut and process a variety of types of fish and shellfish for use in the kitchen.

COOK FISH
Fish dishes are key components of many menus, and cooks must be able to prepare fish dishes in a variety of ways.

COOK SHELLFISH
Shellfish form the basis for many menu items, and cooks must know how to prepare shellfish in a variety of different ways.

COOK 100 • GARDE MANGER

DRESSINGS, CONDIMENTS AND ACCOMPANIMENTS
Salads are a key component of most menus, and cooks must be able to identify and prepare a variety of salad dressings.

SALADS
Different types of salads and salad ingredients are components of most foodservice menus, and cooks must be able to identify and prepare the basic types of salads.

SANDWICHES
Cooks must be able to identify and prepare a variety of hot and cold sandwiches.

COOK 100 • EGGS AND BREAKFAST

COOKERY AND DAIRY
Egg dishes
Eggs and egg dishes are the key components of breakfast menus, and cooks must be able to identify and prepare eggs and egg dishes in a variety of ways.

BREAKFAST ACCOMPANIMENTS
In addition to egg dishes, there are a number of different accompaniments and breakfast items that cooks must be able to identify and prepare correctly.

DAIRY PRODUCTS AND CHEESES
There are many different types of dairy products and cheese. Cooks must be able to identify, select, and use them in a variety of ways.

COOK 100 • BAKED GOODS AND DESSERTS

PRINCIPLES OF BAKING
Cooks must be able to understand the principles and procedures used in baking and dessert preparation.

PASTRIES
Cooks must be able to identify and prepare a variety of pies and basic pastry items.

DESSERTS
A variety of basic desserts are a key component of most foodservice menus. Cooks must be able to identify and prepare different types of basic fruit desserts, custards, and puddings.

QUICK BREADS
Quick breads are used in a variety of different parts of the menu. Cooks must be able to identify and prepare different types of quick breads using the two major preparation methods.

COOKIES
There are a number of varieties of cookies and different preparation methods for each. Cooks must be able to identify and correctly prepare cookies using the common methods.

YEAST PRODUCTS
Basic yeast breads are a key component of most foodservice operations. Cooks must be able to identify and correctly prepare basic yeast doughs and products.

COOK 100 • BEVERAGES

Beverages are served in most foodservice establishments. Cooks must be able to identify and prepare common types of beverages.

COOK 101 • OCCUPATIONAL SKILLS

TRADE KNOWLEDGE
Cooks need to understand the personal and professional expectations of various occupations in the trade as well as the training and certification programs available throughout their career.

SAFETY STANDARDS
There are many hazards present in the kitchen and a cooks must have a good working knowledge of recommended safety and fire prevention procedures.

MENU PLANNING
Cooks prepare food from a variety of different menu styles and formats, and should be familiar with common menu terminology and composition.

COOK 101 • STOCK, SOUPS AND SAUCES

STOCKS
Correctly prepared stocks are essential to the preparation of many dishes, and cooks must know the correct preparation methods and uses of a variety of types of stock.
THICKENING AND BINDING AGENTS
A number of different thickening and binding agents are used in food preparation, and cooks must select and use them correctly for a variety of tasks.

SOUPS
A variety of soups are prepared for use in most foodservice establishments, and cooks must know how to correctly prepare the basic types of clear and thick soups.

SAUCES
Sauces are an integral part of many dishes, and cooks must know how to prepare and correctly use the leading types of sauces.

COOK 101 - VEGETABLES AND FRUITS

VEGETABLES
Cooks must identify, select and prepare a variety of vegetables on a daily basis for use in other dishes and as accompaniments.

FRUIT
Fruits and fruit juices are being used more and more frequently in food preparation. Cooks must be able to identify, select, and prepare them correctly.

COOK 101 - STARCHES

POTATOES
A variety of potatoes and potato dishes are used daily in most food service establishments. Cooks must identify different varieties of potatoes and then prepare them in a number of different ways correctly.

PASTAS AND FARINACEOUS PRODUCTS
Pasta and noodle dishes are an integral part of many menus. Cooks must be able to correctly identify, use, and prepare a variety of pasta and noodle dishes.

RICE, GRAINS AND LEGUMES
Rice is an essential accompaniment to many ethnic foods and one of the main starch components on many menus. Cooks must be able to correctly identify and prepare rice and a variety of rice dishes.

COOK 101 - MEAT

CUT AND PROCESS MEATS
Cooks must be able to identify various types of meat and cut and process them correctly. Cuts of meat are prepared differently according to their characteristics, and cooks must be able to identify the characteristics of each different type.

COOK MEATS
Meats are prepared in a variety of ways and cooks must be able to identify, select, and prepare different types of meat using dry, moist, and combination methods.

COOK 101 - POULTRY

CUT AND PROCESS POULTRY
Cooks must be able to identify various types of poultry and cut and process them correctly. Cuts of poultry are prepared differently according to their characteristics, and cooks must be able to identify the characteristics of each different type.

COOK POULTRY
A variety of poultry and poultry products are used in most foodservice operations, and cooks must be able to identify, select and prepare them correctly.

COOK 101 - SEAFOOD

CUT AND PROCESS SEAFOOD
Cooks must be able to identify, cut and process a variety of types of fish and shellfish for use in the kitchen.

COOK FISH
Fish dishes are key components of many menus, and cooks must be able to prepare fish dishes in a variety of ways.

COOK SHELLFISH
Shellfish form the basis for many menu items, and cooks must know how to prepare shellfish in a variety of different ways.

COOK 101 - GARDE MANGER

DRESSINGS, CONDIMENTS AND ACCOMPANIMENTS
Salads are a key component of most menus, and cooks must be able to identify and prepare a variety of salad dressings.

SALADS
Different types of salads and salad ingredients are components of most foodservice menus, and cooks must be able to identify and prepare the basic types of salads.

SANDWICHES
Cooks must be able to identify and prepare a variety of hot and cold sandwiches.

COOK 101 - EGGS, BREAKFAST

COOKERY AND DAIRY
EGG DISHES
Eggs and egg dishes are the key components of breakfast menus, and cooks must be able to identify and prepare eggs and egg dishes in a variety of ways.

BREAKFAST ACCOMPANIMENTS
In addition to egg dishes, there are a number of different accompaniments and breakfast items that cooks must be able to identify and prepare correctly.

DAIRY PRODUCTS AND CHEESES
There are many different types of dairy products and cheese. Cooks must be able to identify, select, and use them in a variety of ways.

COOK 101 - BAKED GOODS, AND DESSERTS

PRINCIPLES OF BAKING
Cooks must be able to understand the principles and procedures used in baking and dessert preparation.

PASTRIES
Cooks must be able to identify and prepare a variety of pies and basic pastry items.

DESSERTS
A variety of basic desserts are a key component of most foodservice menus. Cooks must be able to identify and prepare different types of basic fruit desserts, custards, and puddings.

QUICK BREADS
Quick breads are used in a variety of different parts of the menu. Cooks must be able to identify and prepare different types of quick breads using the two major preparation methods.

COOKIES
There are a number of varieties of cookies and different preparation methods for each. Cooks must be able to identify and correctly prepare cookies using the common methods.

YEAST PRODUCTS
Basic yeast breads are a key component of most foodservice operations. Cooks must be able to identify and correctly prepare basic yeast doughs and products.

COOK 101 - BEVERAGES

BEVERAGES
Beverages are served in most foodservice establishments. Cooks must be able to identify and prepare common types of beverages.

COOK 200 - OCCUPATIONAL SKILLS

TRADE KNOWLEDGE
Knowing the rights and responsibilities of employees and employers is an important part of any occupation.

MENU PLANNING
Cooks must understand the principles of menu planning in order to design an effective menu.
ORDERING AND INVENTORY
Managing inventory is essential to any foodservice establishment. Cooks must be able to follow routine inventory procedures on a daily basis.

HUMAN RESOURCE AND LEADERSHIP SKILLS
Effective communication is a key part of the successful operation of any establishment. Cooks must be able to communicate effectively in order to work successfully as a team.

FRONT OF HOUSE
A variety of different table settings are used in foodservice establishments. Cooks must know the appropriate table settings and service techniques for a variety of menu styles.

INGREDIENTS AND NUTRITIONAL PROPERTIES
Good nutrition is essential to good health. Cooks must understand the principles and procedures for preparing nutritious food.

COOK 200 - STOCKS, SOUPS AND SAUCES

SOUPS
Specialty soups such as consommé and bisque are a part of many menus. Cooks must know the correct procedures for preparing specialty soups.

SAUCES
Cooks must be able to prepare derivative sauces from the leading types of sauces, and use them correctly for a variety of menu items.

COOK 200 - VEGETABLES AND FRUITS

VEGETABLES
Cooks must prepare vegetables in a variety of methods, using additional techniques such as stuffing, turning, glazing, and gratinating.

VEGETARIAN DISHES
Vegetarian menu items are becoming increasingly popular, and cooks must be able to identify the leading vegetarian diets, choose suitable menu items, and prepare a variety of vegetarian dishes.

COOK 200 - STARCHES

POTATOES
Specialty potato dishes are the mainstay of many menus, Cooks must be able to prepare a variety of potato dishes in both small and large volumes.

PASTAS AND FARINACEOUS PRODUCTS
Fresh and stuffed pastas and other farinaceous products are common items on many foodservice menus. Cooks must know how to prepare fresh pasta, stuffed pastas, and a variety of specialty pasta dishes and farinaceous products.

RICE, GRAINS AND LEGUMES
Grains and legumes are becoming more and more popular on foodservice menus. Cooks must be able to identify and correctly prepare a variety of grains and legumes.

COOK 200 - MEATS

CUT AND PROCESS MEATS AND POULTRY
In order to correctly prepare meat products, cooks must be able to identify the correct cutting and processing procedures for primary and secondary cuts of meat.

COOK MEATS
Dry heat, moist heat, and combination methods of cooking meat are part of most foodservice menus. Cooks must be able to choose a suitable cooking method for various cuts, and then correctly prepare a variety of meat dishes.

COOK 200 - POULTRY

CUT AND PROCESS POULTRY
In order to correctly prepare meat and poultry products, cooks must be able to identify the muscle and bone structure and correct cutting procedures for primary and secondary cuts of meat and poultry.

PREPARE POULTRY
Cooks must prepare poultry using a variety of cooking methods.

COOK 200 - SEAFOOD

CUT AND PROCESS SEAFOOD
Cooks must cut, clean, and process a variety of seafood for use in the kitchen.

COOK FISH
Fish dishes are a component of many menus. Cooks must be able to correctly prepare a variety of fish dishes using various cooking methods.

PREPARE SHELLFISH
Shellfish are used on many menus, and cooks must be able to correctly prepare a variety of shellfish and shellfish dishes.

COOK 200 - GARDE MANGER

DRESSINGS, CONDIMENTS AND ACCOMPANIMENTS
Specialty salad dressings and cold sauces are used on many foodservice menus. Cooks must be able to identify and correctly prepare and utilize a variety of dressings and cold sauces.

SALADS
Specialty salads are becoming more and more common on many foodservice menus. Cooks must be able to identify and correctly handle specialty salad ingredients.

HORS-D’ŒUVRE AND APPETIZERS
There are many types of hot and cold hors d’oeuvre. Cooks must be able to identify and correctly prepare a variety of common types of hors d’oeuvre.

PRESENTATION PLATTERS
Presentation platters are a key component of banquet preparation in many foodservice establishments. Cooks must know the principles and correct preparation of a variety of vegetable, fruit, cheese, and meat platters.

COOK 200 - BAKED GOODS AND DESSERTS

PASTRIES
Specialty pastry items are components of many menus. Cooks must be able to identify and correctly prepare a variety of specialty pastries and pastry products.

YEAST PRODUCTS
A variety of yeast risen products are used in the kitchen. Cooks must be able to identify and correctly prepare a variety of specialty yeast doughs and yeast risen products.

CAKES AND TORTES
There are numerous types of cakes and tortes that are common to many menus. Cooks must know the basic methods of preparing and decorating a variety of cakes, cheesecakes, and charlottes.

COOK 300 - BAKED GOODS & DESSERTS

This course will learn to identify a variety of baked goods and desserts. Students will prepare desserts, cakes and tortes, frozen desserts and garnishes.

COOK 300 - BEVERAGES
Upon completion of this course students will be competent to describe, identify and wine, beers and spirits. The principles of wine selection will also be covered.
COOK 300 - GARDE MANGER
Garde Manger will cover the principles and preparation of dressings, condiments and accompaniments, presentation platters, pates, terrines and charcuterie.

COOK 300 - INTERPROVINCIAL RED SEAL EXAM REVIEW

COOK 300 - MEATS
Upon completion of this course students will learn various methods to cut, prepare and cook a different meats, game and offal.

COOK 300 - OCCUPATIONAL SKILLS
Occupation Skills offers students practical and theoretical knowledge of sanitary standards, production procedures, menu planning, human resources and leadership skills and cost management.

COOK 300 - POUlTRY
Upon completion of this course students will be able to cut, prepare and cook a variety of poultry and game.

COOK 300 - SEAFOOD
Upon completion of this course students will learn methods to cut, prepare and cook a variety of seafood.

COOK 300 - STOCKS, SOUPS & SAUCES
Upon completion of this course students will be able to describe various types of specialty sauces, apply principles of sauce selection, prepare savory fruit sauces and gastrique, prepare salsas, relishes and chutneys, prepare international sauces.

Contacts

TRADES ADMISSIONS
Registration Contact
Phone: 1.888.953.1133 ext 13204
Direct: 250.354.3204
Fax: 250.352.3180
Email: trades@selkirk.ca

RON MATTHEWS
Instructor
ext 11318
Direct: 250.505.1318
Email: rmatthews@selkirk.ca

BOB FALLE
School Chair
Phone: 250.352.6601 ext 11317
Direct: 250.505.1317
Email: bfalle@selkirk.ca
Course of Studies
The following is a suggested mix of courses to satisfy requirements for the liberal arts diploma in creative writing. Courses should be chosen only after consultation with a Selkirk College counsellor:
- Complete a total of 60 credits of University courses.
- At least 12 of these credits must be in English and should include ENGL 200 and ENGL 201.
- Complete four creative writing courses - CWRT 100, CWRT 101, CWRT 200 and CWRT 201.
- When available CWRT 210 - Ecopoetics is recommended.
- Choose your electives from among the university arts and sciences course offerings.

YEAR 1

**SEMESTER 1**

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<td>CWRT 100</td>
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Total 15

**SEMESTER 2**

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<td>ENGLISH</td>
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Total 15

**LENGTH OF STUDY:**
2 Years

**ACCREDITATION:**
Liberal Arts and Science Diploma

**CAMPUS:**
Castlegar Campus

100, try your hand at writing short stories, poems, personal essays and cultural criticism while studying works by Canadian, Indigenous and international authors.

In CWRT 200, more experienced writers will develop manuscripts with the intent of publication.

**ESSENTIAL SKILLS**
Creative Writing students will develop the following essential skills, transferable to any career:
- Critical reading
- Concise writing
- Research
- Diagnosis
- Creative solutions
- Synthesizing ideas
- Revision
- Analysis

**CAREER PATHWAYS**
Many modern workplaces prefer hiring creative individuals who pay attention to detail. Below is a list of common jobs for creative writers:
- University or College Professor
- Magazine or Literary Quarterly Editor
- Publisher
- Journalist
- Poet
- Novelist
- Freelance Writer
- Screenwriter
- Political Activist
- Citizen Journalist
- Theatre Director
- Fundraiser/Grant Writer for NGOs and NPOs
- Proposal Writer for Arts Organizations, Engineering Firms, Marketing and Web Developers
- Speech Writer for CEOs, Keynote Speakers, Politicians
- Science Journalist
- Technical writer
- Marketing/Communications Manager
- Copywriter

Program Summary
"Imagination is everything. It is a preview of life's coming attractions."
–Albert Einstein

**PROGRAM OVERVIEW**
Whether you're interested in taking individual courses or pursuing a creative writing diploma/degree, Selkirk College welcomes you. Join Almeda Glenn Miller and Leesa Dean, the program's core faculty, as well as guest speakers and visiting writers who will take you on an exciting journey designed to immerse you in creative processes and help you find your voice.

What defines our creative writing program is a community of writers composed of small class sizes and intimate workshops. Gain confidence in communicating your ideas in a truly magical setting.

Imagine sitting by the confluence of the Kootenay and Columbia Rivers to draft a poem, or walking along the Castlegar campus trails - a significant gathering place for Indigenous peoples - to conjure the final scene in your short story. In Nelson, classes are held at the Tenth Street campus, also home to Selkirk's renowned Music and Digital Art programs.

Situated in one of the most beautiful regions on earth, Selkirk College offers a safe, peaceful and vibrant sense of place for writers to explore their imaginations in fiction, non-fiction, poetry and drama. Our creative writing classes are fully transferable to universities across Canada. Take your first two years with us and you'll be set for success to complete your third and fourth year of a degree program elsewhere.

**CREATIVE WRITING 100 AND 200**
This fall, stoke your creative fires by enrolling in one of Selkirk College's creative writing classes. In CWRT
Course of Studies

The following is a suggested mix of courses to satisfy requirements for the liberal arts diploma in creative writing. Courses should be chosen only after consultation with a Selkirk College counsellor:

- Complete a total of 60 credits of University courses.
- At least 12 of these credits must be in English and should include ENGL 200 and ENGL 201.
- Complete four creative writing courses - CWRT 100, CWRT 101, CWRT 200 and CWRT 201.
- When available CWRT 210 - Ecopoetics is recommended.
- Choose your electives from among the university arts and sciences course offerings.

If you are interested in our associate degree in creative writing, please find the course selection information on our associate of English page. Learn more about all of the creative writing courses offered at Selkirk.

YEAR 2

SEMMESTER 3

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<td>ENGL LIT</td>
<td>Topics in Literature: ENGL 202 or ENGL 204</td>
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SEMMESTER 4

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<td>ENGL 201</td>
<td>A Survey of English Literature II</td>
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Admission Requirements

Admission to the program requires the completion of English 12 with a grade of “C” or better or written permission of the Instructor and School Chair. Other prerequisites depend on the electives chosen to complete the program and should be determined with the advice of a Selkirk College counsellor.

If you are a student who lacks the admission requirements, you may still gain entry to the program by taking a combination of university courses in your first year. This may extend the length of your program.

Program Courses

CWRT 100 - STUDIES IN WRITING I

Students seeking an Associate of Arts degree in English (Writing Studies) must take CWRT 100. The course focuses the writer’s efforts on the value of compression and the reduction of ideas to their purest forms. An in-depth exploration of imagery, metaphor and word choice through the study of poetry will prepare students to produce original compositions in any genre. Students will be expected to submit original writing for workshop in at least two of the four genres - poetry, fiction, non-fiction, or drama. The craft of writing essays and criticism on theory and form will be introduced.

Pre-requisites: A “C” or better in ENGL 12 or LPI level 4.

NOTE: CWRT 100 and 101 do not exempt students from the regular first year English requirements, i.e. English 110/111 or 112/114.

CWRT 101 - STUDIES IN WRITING II

Students seeking an Associate of Arts degree in English (Writing Studies) must take CWRT 100/101. CWRT 101 focuses the writer’s efforts on crafting a story. An in-depth exploration of scene development, characterization, setting, point-of-view, and the leading ideas in stories will prepare students to produce original compositions in any genre other than poetry. Students will be expected to submit original writing for workshop in at least two of the three genres being discussed. Writing essays and criticism on theory and form will continue.

Pre-requisites: A “C” or better in ENGL 12 or LPI level 4.

NOTE: CWRT 100 and 101 do not exempt students from the regular first year English requirements, i.e. English 110/111 or 112/114.

CWRT 200 - STUDIES IN WRITING III

CWRT 200 is a hybrid course. Castlegar-based students will attend class Wednesday mornings on the Castlegar campus and students from the Nelson area will attend Thursday evenings at KSA. All students will complete the equivalent of two classroom hours online each week.

The emphasis of CWRT 200: Studies in Writing III will be on portfolio development and preparation of manuscripts for publication. Students will submit for workshop their own imaginative writing in any of the four genres - poetry, drama, fiction, and non-fiction. In addition, students will engage in a practice of reading, analysis, and critique of published and peer written work. Lectures will mirror the assigned readings and serve to initiate theoretical round table discussions on Image, Voice, Character, Setting, and Story. In the second half of the semester students will be required to explore in more depth each of the four genres. Students will be expected to submit at least one of their compositions for publication to an appropriate literary quarterly, magazine, newspaper or theatre workshop.

Pre-requisites: Two semesters of first-year university English or Writing with a grade of C or better, or written permission of the Instructor and School Chair.

CWRT 201 - STUDIES IN WRITING IV

A continuation of CWRT 200: Studies in Writing III. While portfolio development and manuscript preparation are continually emphasized, students will be required to produce their own chapbook in one or two of the four genres, write and submit grant proposals, and read their work aloud. Students will be expected to submit at least one of their compositions for publication to an appropriate...
literary quarterly, magazine, newspaper, or theatre workshop. Students will be required to participate in a year end Student Reading of original work. Writing reviews, essays and criticism on theory and form of contemporary literature will continue.

Pre-requisites: A “B” or better in CWRT 200, or written permission of the Instructor and School Chair.

ENGL 200 - A SURVEY OF ENGLISH LITERATURE I

“In spring folk long to go on pilgrimage”—so begins Geoffrey Chaucer’s 14th century masterpiece of the English tradition, The Canterbury Tales. In English 200, we will set out on a pilgrimage which honours the living beauty of the English language and its greatest writers such as Spenser, Shakespeare and Donne, ending in the 17th century with Milton.

Pre-requisites: A “C” or better in ENGL 110/111 or ENGL 112/114 or 114 or equivalent, or written permission of the Instructor and School Chair.

ENGL 201 - A SURVEY OF ENGLISH LITERATURE II

From the calm reason of the Enlightenment to the passion of the Romantics, we still live out the questions first asked by the brilliant writers of 18th and 19th Centuries. In the company of such authors as Pope, Swift, Wollstonecraft, Keats, Wordsworth, and Austen, we continue our pilgrimage into culture, belief, and literary achievement begun in the previous semester with English 200.

Pre-requisites: A “C” or better in ENGL 200 or equivalent or written permission of the Instructor and School Chair.

- ENGLISH REQUIREMENT: ENGL 110 OR ENGL 112

Students requiring first-year English have a choice of the English 110/111 sequence and the 112/114 sequence.

- ENGL 110 - College Composition
  - The 110/111 sequence is focused on the development of academic writing and research.
  - ENGL 112 - Introduction to Poetry and Drama
  - The 112/114 sequence is focused on the interpretation of literature.

- ENGLISH REQUIREMENT: ENGL 111 OR ENGL 114

Students requiring first-year English have a choice of the English 110/111 or the 112/114 sequence. The 110/111 sequence is focused on the development of academic writing and research.

- ENGL 111 - Introduction to Literature
  - The 112/114 sequence is focused on the interpretation of literature.
  - ENGL 114 - Introduction to Prose Fiction

- GENERAL UAS ELECTIVE

A student may take any first-year or higher university transferable course to satisfy this elective. Each course must transfer for three or more credits to at least one of: SFU, UBC (Vancouver or Okanagan), UNBC or UVIC. To learn more about how your courses transfer visit the online BC Transfer Guide or contact a Selkirk counsellor.

- TOPICS IN LITERATURE: ENGL 202 OR ENGL 204

Students requiring a second-year Topics in Literature course have a choice of the English 202/203 (Canadian Literature) sequence and the 204/205 (Children’s Literature) sequence.

- ENGL 202: Canadian Literature I: Indigenous Voices
- ENGL 204: Children’s Literature I: From Rags to Riches and Worlds of Magic

- TOPICS IN LITERATURE: ENGL 203 OR ENGL 205

Students requiring a second-year Topics in Literature course have a choice of the English 202/203 (Canadian Literature) sequence and the 204/205 (Children’s Literature) sequence.

- ENGL 203: Canadian Literature II: Contemporary Voices
- ENGL 205: Children’s Literature II: From Hell to Heaven and Everything in Between

Contacts

UNIVERSITY ARTS & SCIENCES ADMISSIONS
Admissions Officer (Castlegar)
Phone: 1.888.953.1133 ext 21233
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Email: admissions@selkirk.ca

UNIVERSITY ARTS & SCIENCES Program Contact
Phone: 1.888.953.1133 ext 21205
Direct: 250.365.1205
Email: UAS@selkirk.ca

TRACY PUNCHARD
School Chair of UAS; Instructor, English
Phone: 1.888.953.1133 ext 21318
Direct: 250.365.1318
Email: tpunchard@selkirk.ca
# Culinary Management Diploma

**Program Summary**

The successful chef or food and beverage entrepreneur of today requires more than just great culinary skills to excel in the hospitality industry. Chefs, food and beverage managers and restaurant owners today need business, leadership and human resource skills in addition to a strong culinary foundation. This program provides fundamental management skills for students with culinary backgrounds looking to manage, own or operate a food and beverage business.

**Take your career to the next level**

The Culinary Management diploma is developed for today's contemporary chef looking to further his or her management and/or entrepreneur skills. The diploma is designed as a one-year addition for students who have taken the Professional Cook 1 & 2 program or anyone with Red Seal Journeyman Chef accreditation. Gain the skills to manage, own or operate a food and beverage business.

**Courses Include**

- Business Communications
- Marketing
- Food and beverage cost controls
- Accounting
- Food service management
- Human Resource Management
- Hospitality Law
- Organizational Leadership
- Introduction to Tourism

This program transfers to hospitality degrees in with Vancouver Community College, Vancouver Island University and Royal Roads.

**Admission Requirements**

- BC Professional Cook II completion or equivalent.
- Grade 12 completion or equivalent.
- English 12 or equivalent with a “C” or better.
- Submission of an official high school transcript.
- Completion of a personal interview. Where circumstances make a personal interview impractical, a telephone interview may be conducted. Note: Interview results are not used as criteria for admissions.

**Careers**

Selkirk Culinary Management graduates are equipped to move into supervisory positions in a wide range of capacities across the entire spectrum of the food and beverage industry. The list below includes some of the career options available:

- Kitchen management and supervisory positions
- Food and beverage supervisors in establishments of all sizes and settings

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**Labour market research predicts a shortage in this sector and foresees an increase in need for higher level credentialing, as reported in the Canadian Tourism Human Resource Council’s The Future of Canada’s Tourism Sector, Economic Recession only a Temporary Reprieve from Labour Shortages.**

The objective of the program, through classroom instruction, practical lab training and work experience, is to enable students to develop the abilities, skills and attitudes to analyze situations objectively and to then make effective management decisions.

The guiding principle of the Culinary Management program is student centered involvement, through project based learning. During the school year our students are involved in organizing and supporting Selkirk College as host institution for special events and conferences. Students participate in a professional internship program consisting of five months in the summer and fall between the first and second year of the program.

**CAMPUS:**

Tenth Street Campus, Nelson

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**Accreditation:**

Diploma
Program Courses

RHOT 150 - INTRODUCTION TO TOURISM
This course provides an overview of the tourism industry, examining the interrelationships between the eight sectors, and the economic, environmental, cultural, and social impact of tourism. Topics include the following: sectors of the tourism industry; size, scope, and infrastructure; definitions and conceptual models, trends, and current issues, travel motivators, career opportunities, ethical issues, tourism as a community-based industry, the geography of tourism in BC and Canada, and the role of tourism organizations.

RHOT 153 - ORGANIZATIONAL LEADERSHIP
This course focuses on how individuals function effectively in organisations by examining behaviour from individual, small group, inter-group and organisational perspectives. A participatory model using experiential exercises illustrates how groups help or hinder the organisation. Topics include: communication models, strategies for effective leadership, leadership styles, motivational techniques, group dynamics and behaviour, stress management, delegation, organisational structure and change, and values and attitudes. Students learn how to become effective members of groups by working together towards common goals.

RHOT 159 - BUSINESS COMMUNICATIONS
This course deals with both written and oral communication skills. Topics include writing formal reports and other business correspondence, making effective presentations, résumé preparation and research techniques.

RHOT 162 - SUPERVISORY FOOD AND BEVERAGE SERVICE
The food and beverage department plays an important role in the overall success of the operation at a resort or hotel. The purpose of this course is to introduce the fundamentals of food and beverage service and the impact it has on the success of the restaurant. The course will deal with the elements of service through theoretical discussion and hands-on practical service through Scholars Dining Room. The course will cover the theoretical components of customer service, restaurant sanitation, types of menus, menu terminology, types of food service, service of wine, suggestive selling, establishing and evaluating service standards, communications and handling the service with a computer system. The practical component will involve hands-on training through serving either in the College's Scholars Dining Room and/or at a college catered event.

RHOT 171 - WORK TERM
This full-time paid work experience (May through September) is monitored by the College and evaluation is completed by the employer and program instructors. Experiential learning is effective because it provides students with opportunities to acquire supervisory skills and competencies that are applicable to their future careers. This approach recognizes that a supervisor requires significant practice of the principles and skills learned during study and looks to the hospitality and tourism industry to provide an environment in which this practice can take place. This work term gives students an opportunity to apply and extend academic knowledge while employed with qualified hospitality and tourism employers throughout B.C., Canada and the world.

Pre-requisites: Successful completion of all courses in the first year of the RHOT program with a “C” or better.

RHOT 250 - MARKETING
The roles and functions of marketing in the tourism industry are examined. The principles of customer service excellence and service recovery are discussed in detail. You are lead through the five steps of the Marketing Planning Process discovering how the “12 Ps” are used in the marketing of tourism products and services. You will conduct a case study analysis of an existing company to demonstrate knowledge of marketing concepts studied.

RHOT 254 - HUMAN RESOURCE MANAGEMENT
Hospitality Human Resources Management has a profound effect on the success of tourism operations. An understanding of fundamental human resources theory and practices is necessary in the service sector where the link between the tourism operation and the guest is so critical. Innovative approaches to human resources management are necessary to recruit and retain the right people in the industry. This course focuses on the critical issues that concern managers in the tourism industry, employee relations, recruiting and selection, challenges and trends and employment standards.

RHOT 265 - FOOD SERVICE MANAGEMENT
The Food and Beverage Department, be it a hotel or resort, is a high profile department and can be a substantial profit centre.

It is one thing to understand that you must control a Food and Beverage operation, but it is another to understand how, when and why you must do it. The purpose of this course is to show how you can manage the department to provide desired levels of profitability and customer satisfaction.

Through lectures and hands on operations exercises you will study food and beverage operations and learn how to analyze and implement changes that will affect the success of the food service department.

RHOT 268 - BUDGETING & ENTREPRENEURIAL TRAINING
The principles and practices of developing a successful tourism or hospitality business are undertaken. Course work includes analysis, creating a vision, goals, financial and business plans, advertising and marketing applications, and research methods and techniques.

RHOT 269 - ACCOUNTING
This is an introductory course in accounting, from the basic accounting equation to preparation of the Income Statement, Statement of Changes in Owner’s Equity, and Balance Sheet. This course covers merchandise operations, service business accounting, depreciation, adjusting entries, as well as specialized journals.

RHOT 272 - HOSPITALITY LAW
This course outlines Canadian Law applicable to the hospitality industry, identifies areas where there may be potential legal problems, and discusses rights and liabilities relative to relationships within the hospitality industry. Topics include constitutional law, the common law of contract, definition of hotels and related establishments, safety of guests and torts, care of guests’ property, sale of food and alcohol, insurance, hotel keeper’s compensation.

Contacts

WENDY ANDERSON
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BOB FALLE
School Chair
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Direct: 250.505.1317
Email: bfalle@selkirk.ca
# Digital Arts & New Media

**LENGTH OF STUDY:**
2 Years

**ACCREDITATION:**
Diploma

**CAMPUS:**
Tenth Street Campus, Nelson

Many graduates of this program have gone on to become professionals in the multimedia field, while others have found this program useful as a stepping-stone towards further education in the digital arts.

## Admission Requirements

In addition to the general entrance requirements for admission to Selkirk College, applicants must meet the following criteria set by the Digital Arts & New Media Department.

**EDUCATION**
High school graduation (or equivalent) with a “C+” or higher in Foundations of Math 11, or Apprenticeship Workplace 11, or equivalent and a “C+” or higher in English 12. Visual Arts 11 (Media Arts or Art Foundations and Studio Arts) and/or Information & Communications Technology 11 are recommended.

**QUESTIONNAIRE**
All applicants must complete and submit the following questionnaire at least one week prior to their scheduled interview date.

Please download using our online form to submit the questionnaire.

- Describe your creative and educational experiences that you believe will make you a successful student in the Selkirk College Digital Arts and New Media program.
- This industry requires that people work within a group environment. Personal responsibility and respect for others is essential for the success of any project. Explain how you would work towards bringing conflicting ideas together when working towards a shared successful outcome.
- Please outline details of your computer literacy (beginner, intermediate, advanced), including software applications and operating systems you are familiar with.
- The Digital Arts & New Media program requires an extraordinary commitment of time and energy. Explain why you feel you are prepared to make this commitment at this time in your life.

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## Program Summary

Bring your creativity and our dedicated faculty will encourage you to explore and define your technical and artistic potential. Get the skills you need to take your work from the creative design process and conception to the presentation of your finished product. Launch your career in the fast-paced digital media industry.

**APPLYING YOUR KNOWLEDGE**

Our Digital Arts and New Media program helps you work in graphic design, illustration, animation, visual and special effects, web design, and interactive application development. Our intensive program provides you with hands-on experience in:

- Graphic Design
- Digital Photography
- Digital Video and Audio Editing
- Mobile Application Development
- Motion Graphics
- 2D and 3D Animation
- Web Design and Programming

**GET A SOLID FOUNDATION**

This program offers a solid foundation in traditional and graphic arts, web site development, video and sound production, animation and digital media. You will gain the skills required for advanced production techniques, effective project management and the new media business environment.

**MAXIMIZE YOUR EMPLOYABILITY**

The program addresses rapid technological changes in the new media industry and encourages creative solutions in the production of original materials for the interactive education and training, advertising and marketing, and entertainment industries. Using skills acquired in this program, you will be able to maximize employability using a broad range of multimedia production skills. Small class sizes allow excellent accessibility to instructors and equipment.

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Success in this program involves receiving constructive criticism and feedback from peers and instructors. Explain how you have dealt with constructive criticism in the past. Provide examples.

PORTFOLIO

Applicants must submit an electronic portfolio as part of the admissions process. An applicant's portfolio chronicles their experience and talent as an artist. The portfolio must demonstrate creativity and passion.

A diverse portfolio showcases a comprehensive blend of technical and artistic skill. Artwork should be recent and must include a variety of traditional and digital media.

The portfolio is a critical part of the application process and applicants should take care to ensure that their work is presented as strongly as possible. The Portfolio Evaluation Committee is looking for a demonstration of visual awareness, creativity and technical skill. Copying the work of another artist is not acceptable.

Applicants should organize their work in a manner that demonstrates development over a period of time or organize their work by media type. Applicants must be prepared to rationalize the inclusion of each piece submitted.

SUBMISSION GUIDELINES:

The portfolio must include 10 to 15 pieces that represent skill and talent, with an emphasis on diversity and quality over quantity.

Examples of works that can be included in your Portfolio:
- Photography
- Digital art
- Traditional art
- Video or animation
- Music or sound design
- Websites or programming
- Graphic design
- Illustration

In addition to the required portfolio pieces, applicants may choose to scan sections of their sketchbooks and journals and submit them as a multi-paged pdf. School assignments and independent explorations will also be helpful to the Evaluation Committee.

TECHNICAL GUIDELINES:

Once an application to the Digital Arts program has been received applicants will be contacted by the College and given a 4 digit access code. This code is required to submit the portfolio at portfolio.selkirkmedia.com.
Images should be at least 1600 x 1200 pixels and video files should not exceed 5 minutes in length.

When uploading, each piece must include a title that specifies the media or materials used, size of the piece, title and date.

The portfolio submission site supports the following:
- .jpg, .png, .pdf and .gif
- links to websites
- audio files
- videos (hosted on YouTube or Vimeo)

Please ensure to read the portfolio guidelines carefully as submissions that do not meet the required guidelines will not be reviewed.

INTerview

All applicants are required to participate in an interview with a program instructor from the Digital Arts & New Media Program. Applicants must submit their portfolio via the link provided above prior to requesting an interview. In situations where a face-to-face interview is not possible, a telephone interview will be arranged. The interview is an opportunity for applicants to introduce themselves, present their work and discuss their interests within digital media. The instructor will assess the applicant's preparedness for entry into the program and will ask about commitment, goals and expectations, computer and software skills, design knowledge, experience and communication skills. It is also an opportunity for applicants to ask any questions they might have about the program and faculty to recommend upgrading if necessary.

Computer and Software Knowledge

Demonstrated competency in computer hardware and software technology, keyboarding, including Internet skills and word processing skills is required prior to entering the program. Basic computer, keyboarding and Internet skills are not taught as part of the Digital Arts & New Media curriculum. Applicants who do not possess these skills must consult with the School Chair before making a formal application to the program. Upgrading may be required.

The Digital Arts & New Media program delivers curriculum on both the Apple Mac OS X and Microsoft Windows platforms.

Program Courses

DA 101 - INTRODUCTION TO DIGITAL MEDIA
Introduction to Digital Media will introduce students to the technical and creative principles of the Digital Arts. Through lecture and in-class projects, students will work towards a strong understanding of the fundamental technical terms and concepts of digital art, image production and optimization. Students will be introduced to the technical and creative principles of digital images, file formats and colour and tonal information. Additionally, students will explore capturing, editing, analyzing and adjusting images from scanners and digital cameras. A term project will be assigned and students will be guided through the processes and workflow of designing and managing a Small Digital Arts project. Emphasis will be placed on writing a project plan and proposal, understanding the design project management cycle, using tools for organizing design, and presenting a term project in front of an audience.

DA 103 - HISTORY OF ART
This course examines the history of visual communication from the 17,300 year old cave paintings at Lascaux, France, to Ancient Egyptian hieroglyphics, to contemporary artists like Swoon and Banksy. This multi-cultural exploration of traditional 2-Dimensional art will analyze how messages have been communicated visually through the ages. Major movements/styles of art will also be explored.

DA 103 - HISTORY OF DESIGN
This course analyzes the historical and contemporary relevance and relationship of design and persuasion. Additionally, students will explore early concepts of branding, product packaging and typography, the theories of image and text communication, and understanding markets and audiences. Assigned projects will provide students the opportunity to demonstrate knowledge through practice.

DA 103 - FROM MOTION PICTURES TO DIGITAL CINEMA
This course offers an overview of the century-long transition from the first movies through to the computer-generated worlds of contemporary movie making. By viewing and discussing a select group of short and feature length films, students will develop an appreciation for the craft and technological shifts in cinema. Participants in this course are required to attend scheduled screenings where lecture and discussion will occur before and after each film.

DA 104 - INTRODUCTION TO DIGITAL PHOTOGRAPHY
Introduction to Digital Photography provides an overview of the digital camera and related equipment, digital workflow and basic image manipulation in Adobe Photoshop. A strong emphasis is placed on how to compose compelling photographs using frame and perspective. It introduces shutter speed, aperture and exposure as a means of manipulating the creative outcome of an image. Topics also include light, depth-of-field, focal length, ISO and white balance. Students must have a digital camera with aperture (Av or A), shutter speed (Tv or S), and manual (M) modes.

DA 110 - INTRODUCTION TO PHOTOSHOP
Introduction to Adobe Photoshop focuses on colour correction techniques, image editing, working with layers, filters and effects, and becoming proficient with different selection tools. This course prepares learners for more advanced projects in DA 112 and DA 113.

DA 111 - ART FUNDAMENTALS
Covers the creative process, from concept, to rough sketch, to completed artwork is the basis for the exploration of the fundamental concepts.

DA 111 - INTRODUCTION TO ADOBE ILLUSTRATOR
Acquaints students with the basic and most fundamental tools in Adobe Illustrator. Knowledge gained from in class tutorials will be reinforced by the development of illustration projects.

DA 112 - PHOTOSHOP PROJECTS
This is a project-based course is a continuation of the DA 110 series of courses and covers advanced techniques with Adobe Photoshop. Advanced selection methods, custom effects and blend mode options are explored. Image compositing will be the major focus of this course and will be utilized by students to create complex custom artwork.

DA 113 - INTERMEDIATE ART AND DESIGN
The principles of design, the functions of design, design theory, colour theory and typography are areas of study for DA 113, Introduction to Graphic Design. Concepts are analyzed during lectures and discussion and are applied to projects using Adobe Illustrator.

DA 121 - INTRODUCTION TO ANIMATION
Video and Stop Motion Animation introduces a wide range of traditional animation styles and techniques including: hand drawn, puppet, pixilation, cut-out and clay animation. Students gain hands-on experience by experimenting with each animation style and incorporating the principles of animation to create a number of short animations. Students apply their knowledge of animation to create a short film using the medium of their choice. Emphasis is placed on the process of creating an animated short, which involves collaboration, brainstorming, script writing, storyboarding, acting, character development, animation, and production techniques.
DA 122 - INTRODUCTION TO DIGITAL VIDEO I
Introduction to Digital Video, introduces students to the technical experience of capturing, working with and editing digital video. Lectures and labs will provide students with the necessary vocabulary and understanding of digital video production methods including: broadcast standards, resolution, compression, non-linear video editing and digital effects. Students will explore the tools, techniques and language of cinematography, including: preparing a treatment, writing a script, developing a shot list, drawing storyboards and set design. Students

DA 131 - HTML, CSS & THE FOUNDATIONS OF WEB
HTML, CSS & the Foundations of Web introduces the core technologies in web development. Topics include web site planning, design, coding and deployment in addition to accessibility, best practices and web standards set by the World Wide Web Consortium. Emphasis is on the use of progressive enhancement, adaptive design, semantically correct HTML and CSS to create effective and attractive web sites. Other topics include how to register a domain name, purchase hosting, and publish and maintain a website.

DA 132 - INTERACTIVE DESIGN
Interactive Design follows a problem-based approach that will introduce programming structures and techniques including data types, variables, conditional statements, functions and events. It will incorporate interactivity and functionality to standards-compliant web pages using relevant tools and technologies including the use of frameworks, libraries and Application Programming Interfaces (APIs) to add extensibility and functionality to web based projects. Emphasis will be on the development of simple and efficient interfaces and all stages of application development from inception through to implementation and testing.

DA 141 - 3D MODELING
Focuses on the concepts and practices used in 3D computer modeling for a variety of applications. Specific modeling techniques for 3D printing, organic, architectural will be covered. The primary application for this course will be Lightwave 3D although some time may be spent in other “Open Source” applications specific to 3D printing.

DA 141 - 3D MODELING AND RENDERING
This course is a continuation of DA 141A and focuses on the concepts and practices of modeling and texturing. Modeling techniques will focus on character modeling with the end goal of creating a fully textured character ready for rigging and animation. The primary application for this course will be Lightwave 3D although Adobe Photoshop will be used for texturing.

DA 210 - TYPOGRAPHY AND GRAPHIC DESIGN COMMUNICATIONS
This course introduces students to the practice of effective communication using graphic, information and brand identity design. Exercises in process, research, design and presentation are set to simulate industry practices and expectations.

DA 211 - EDITING AND MASTERING IN ADOBE PREMIERE (ELECTIVE)
This course explores advanced editing, keying and compositing, mastering and colour correction processes and techniques. Students will work with multi-camera footage, pace, suggestive editing, nesting and audio in order to create professional calibre video.

DA 212 - STUDIO AND LIVE EVENT STREAMING (ELECTIVE)
This course introduces students to live event directing and switching using the NewTek TriCaster. Participants will be trained on the essential functions of the TriCaster, including: understanding the TriCaster interface and switches, working with different video sources and formats, working with the DDR, working with titles and graphics, and video streaming.

DA 222 - CHARACTER ANIMATION IN AFTER EFFECTS (ELECTIVE)
This course takes an exhaustive approach to 2D character design, rigs and animation. The course explores the different methods of character animation, all of which are able to produce professional quality animated shorts. Topics include: character design and assembly, rigging, voice and mouth shape synchronization.

DA 222 - COMPOSITING AND ANIMATION IN AFTER EFFECTS (ELECTIVE)
This project-based course will allow students to explore the more complex and creative field of compositing and animation. Applying skills gained in previous courses, students will be required to produce a complex computer generated / live motion short. Included in this course is an advanced study of compositing and animation techniques.

DA 222 - EXPRESSION CONTROLS IN AFTER EFFECTS (ELECTIVE)
This is a hands-on course that deconstructs the syntax and mystique of Expressions using JavaScript in After Effects. Students will explore the Expression Language menu, saving expressions, using variables to store information and building slider and checkbox expressions.

DA 223 - TYPESETTING, PRINTING AND PUBLISHING (ELECTIVE)
This is a hands-on, project based production class. Students will explore both traditional and contemporary typesetting and printing techniques including projects in removable type and desktop publishing.

DA 223 - ADVANCED PROJECT: DESIGN (ELECTIVE)
This course is a self-directed mixed media design course. Under the supervision the instructor, students will develop and produce two major design pieces. Students are encouraged to explore both traditional and contemporary design practices when developing their work.

DA 231 - WEB SCRIPTING WITH PHP (ELECTIVE)
This course continues the use of standards based HTML and CSS presented in the DA 131 courses. It introduces PHP, an open source web-based scripting language which students will use to create interactive and dynamic web sites. This course will focus on problem solving, debugging programs and following best practices related to programming.

DA 231 - RELATIONAL DATABASES & MYSQL (ELECTIVE)
This course introduces students to the principles and skills required to create relational databases and their web-based interfaces. Topics include the Structured Query Language (SQL) and MySQL database server, database design and normalization and data types. Emphasis will be on the construction of SQL statements to insert, update, delete and select data from a database.

DA 231 - BUILDING DATABASE DRIVEN WEBSITES (ELECTIVE)
This course is a continuation of DA 231a and DA 231b. Students continue to use best practices and problem solving skills to apply their knowledge of PHP and mySQL to create database driven web applications. Topics also include security, encryption, cookies and sessions.

DA 232 - WEB APPLICATION DEVELOPMENT (ELECTIVE)
This course will introduce the principles behind and the techniques used in the creation of web based applications for distribution on mobile and tablet devices. An emphasis will be placed on the
understanding and use of current technologies, including HTML, CSS, JavaScript, jQuery and others, to add functionality and interactivity. Additional topics will include user interface design, usability and usability studies.

DA 233 - CONTENT MANAGEMENT SYSTEMS
Content Management Systems, is a hands-on course that introduces students to a number of open source development platforms used to create dynamic web content. Basic installation and configuration, themes and content creation will be covered. Other topics introduced include customized themes, template editing, installation and configuration using modules and plugins.

DA 234 - IOS APPLICATION DEVELOPMENT (ELECTIVE)
This course is an introduction to the design, development and publication of iOS applications. The apple iOS software development kit and Xcode integrated development environment is used to introduce storyboards and very basic Objective-C syntax. The fundamentals of view controllers, table views, tab views and map views will be introduced. An emphasis will be placed on user interface design and usability.

DA 242 - 3D MODELING AND CHARACTER RIGGING (ELECTIVE)
This course is a continuation of DA 141b, and focuses on the concepts and practices used in creating character rigs specific to 3D computer animation. Tutorials, demonstrations and student projects highlight the instruction of this area. Modeling techniques specific to character animation and rigging may be covered. Topics for discussion will include DIY motion capture techniques.

DA 242 - 3D ANIMATION (ELECTIVE)
This course is a continuation of DA 242a, and focuses on the concepts and practices used in character animation. Students will choose between organic and mechanical character models to create a short animation. Tutorials, demonstrations and student projects highlight the instruction of this area. Advanced techniques specific to character animation will be covered including DIY motion capture techniques.

DA 242 - 3D COMPOSITING (ELECTIVE)
This course is a continuation of DA 242b and will work closely with DA 221c. The concepts and practices used in compositing 3d objects into 2d stills and video will be covered. Tutorials, demonstrations and student projects highlight the instruction of this area. Advanced techniques specific to compositing characters will be covered using Lightwave 3d and Adobe After Effects.

DA 251 - DIGITAL AUDIO AND SOUND RECORDING
This course examines the theory and application of audio and sound design for digital video and new media technologies. The focus of the course is basic recording techniques, including microphone choice and recording options. Basic sound design and Foley techniques will also be covered. The applications of choice for the course will be Adobe Audition, Premiere Pro and GarageBand.

DA 266 - THE ART OF MAKING
This course focuses on what it means to be a “Maker”. The goal of this course is to learn just enough to make almost anything. Most importantly, students will learn that the results of a project are less important than the process -- learning how to do things by failing.

DA 289 - PROBLEM-BASED LEARNING AND CRITICAL THINKING
This is a hands-on course in which students are challenged with a series of real-world tasks that require individual and group participation, creative thinking and problem-solving skills to complete. Emphasis will be placed on encouraging students to work collaboratively and provide creative and innovative solutions.

DA 291 - PROFESSIONAL PRACTICES
This course has been developed in accordance with the professional standards set in place by the AIGA (The Professional Association for Designers) and the GDC (The Society of Graphic Designers in Canada). This course will provide students with the essential tools and insight to prepare them for a career in the digital arts. Topics covered in this course include: client relationships, self-marketing and promotion, proposal and contract writing, copyright law, project management, business registration and tax collection and remittance.

DA 291 - PORTFOLIO AND PRESENTATION
This course has been developed so that students may explore their personal and conceptual strengths, develop confidence in their work and its meaning, and provide them a comfortable environment to improve public speaking and presentation skills.

DA 299 - CAPSTONE I
DA 299a, Capstone I, provides students with the opportunity to employ their cumulative skills and talents in a chosen area of focused study. Each student must declare an area of interest that will be the basis of a unique product, requiring a series of scheduled tasks to complete. Products created in this course shall be identified as the second of two of the student's graduating pieces.

DA 299 - CAPSTONE II
DA 299b, Capstone II, provides students with the opportunity to employ their cumulative skills and talents in a chosen area of focused study. Each student must declare an area of interest that will be the basis of a unique product, requiring a series of scheduled tasks to complete. Products created in this course shall be identified as the second of two of the student's graduating pieces.

- FALL ELECTIVES
During the fall semester of Year 2 students enrol in a minimum of five electives.

- WINTER ELECTIVES
During the winter semester of Year 2 student enrol in a minimum of three electives.

TWC 266 - INTRODUCTION TO TECHNICAL WRITING AND COMMUNICATIONS
This course is designed to prepare students for the writing demands of Digital Arts courses and the workplace. Through the production of print- and web-based documents, students will learn to organize and develop content that meets their audience's needs and to communicate in a clear and concise writing style. Students will also have an opportunity to deliver effective and engaging oral presentations.

Contacts

CAROL RIDGE
Enrolment Officer
Phone: 250.365.7292 ext 21324
Direct: 250.365.1324
Email: cridge@selkirk.ca

DIGITAL ARTS AND NEW MEDIA
Program Contact
Direct: 250.505.1370
Email: digitalmedia@selkirk.ca

DARYL JOLLY
School Chair
Phone: 250.352.6601 ext 11394
Direct: 250.505.1394
Email: djolly@selkirk.ca
Early Childhood Care & Education (ECCE)

Program Summary

Early Childhood Care and Education (ECCE) students will study many facets of early learning and child development, focusing on the needs of children from birth through school age and their families.

ECCE students learn how to develop programs and create environments that are child-centred, nurturing and rich with potential for early development.

Take This Program If You Are
– Comfortable working with young children
– Patient and flexible
– Creative and energetic
– Caring
– Empathetic

START YOUR REWARDING CAREER
You will learn how to create programs and environments that are child-centered, nurturing and rich for supporting child development. Our program incorporates a variety of teaching learning strategies including:
– Case study and theoretical analysis
– Cooperative and experiential learning
– Practical application of knowledge and skills in a six week practicum

You will experience small class sizes and instructors who are committed to excellence in education and professional practice.

LENGTH OF STUDY:
9 Months / 2 Years

ACCREDITATION:
Certificate / Diploma

CAMPUS:
Castlegar Campus

TAKE YOUR CHILDCARE CAREER TO A NEW LEVEL
You will be prepared to work with young children and their families in a variety of exciting and rewarding roles. You will be able to participate in the planning and delivery of enriched programs that focus upon healthy early development.

TRANSFER OPPORTUNITIES
Your ECCE certificate transfers to two Human Services diploma specialties (Inclusive Practice/Infant and Toddler Care) at Selkirk College and also to related programs at other universities.

Admission Requirements

Students may complete the program on a full or part-time basis. Each term will include courses available in a distance or on-line format. In addition to meeting the general entrance requirements for admission to Selkirk College, an applicant must meet the following Early Childhood Care and Education program requirements (please scroll down if you feel you aren’t quite there yet):

ACADEMIC REQUIREMENTS
Official transcripts from high school or post-secondary institutions (mailed directly from the Ministry of Education and educational institutions)
– Grade 12 or its equivalent (consideration will be given to mature students)
– English 12 or equivalent with a grade of “C” or better

NON ACADEMIC REQUIREMENTS
– Meet the general entrance requirements for admission to Selkirk College
– Resume
– A completed health information form
– Documentation of successful completion of 40 hours of supervised paid or volunteer work with groups of young children
– Criminal Record Check with Ministry of Justice
– Two completed personal reference forms
– Driver’s license is recommended

Year 1
This certificate program ladders into the Human Services Diploma option.

SEMESTER 1

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<td>ECCE 178</td>
<td>Foundations of Professional Practice I</td>
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<td>ECCE 186</td>
<td>Child Health and Safety</td>
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<td>ECCE 188</td>
<td>Responsive Child-Centered Environments</td>
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<td>HSER 174</td>
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SEMESTER 3

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<td>ECCE 294</td>
<td>Practicum II</td>
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**Total 9**
COMPUTER SKILLS

- Basic computer skills are required for this program. Necessary skills include knowledge of internet, email, word processing and file management. You are encouraged to complete the Computer Skills Self Assessment.

COLLEGE READINESS TOOL

- The College Readiness Tool (CRT) must be completed prior to starting the program. If you have completed the assessment previously at Selkirk, it's not necessary to do it again. For more information regarding the CRT, please see http://selkirk.ca/services/crt

N.B. A scheduled orientation and interview session with Early Childhood Care and Education instructors will be held to discuss the nature of the ECCE program and requirements for practicum placements.

- Students may apply for a license to practice as an ECE Assistant after successful completion of 1st semester (ECCE 186)

- The Early Childhood Care and Education Certificate program is the prerequisite for post-basic training programs

- All students must earn an approved First-Aid certificate prior to receiving their Early Childhood Care and Education certificate

- In addition to usual expenses for fees and books, students have added expenses for regular travel to area early childhood centres. Individuals enrolling in the program are advised that access to a reliable vehicle is necessary as travel to centres is the responsibility of the student

APPLICATION INFORMATION

STEPS TO APPLY

- Please fill out the general application form
- Please make sure you meet all admission requirements, including the general admission requirements for the college and the specific admission requirements for your chosen program (these are listed in each program area)
- You must also complete the College Readiness Tool (CRT) for reading and writing before registration in the program. For information on how to register, check with Paris Voykin at 250.365.7292, ext. 21313
- International Students (students who are applying to Selkirk College from locations outside of Canada) should follow the application steps required by Selkirk International

3 Years Out

- ECE Supervisor
- Family/Parenting Facilitator
- Supported Child Development Consultant
- Infant/Toddler Caregiver
- Special needs Caregiver
- Child Care Resource & Referral Consultant
- School District Educational Assistant
- Undergraduate Student (ECCE and Child & Youth Care)

5 Years Out

- ECE Supervisor
- ECE Program Manager
- Licensing Officer

CAREERS

Graduates of both our Early Childhood Care & Education certificate and diploma programs quickly find employment or future educational opportunities in one or more of the following roles:

1 Year Out

- Certified ECE in early learning and care environments: preschool, group care, out of school care
- Certified ECE Assistant in early learning and care environments
- Casual ECE in early learning
- Strong Start Facilitator
- Supported child development enhanced staff
- Family child care operator
- Child minding
- Nanny
- Diploma/advanced certificate student

ECCE 168 - CLINICAL PRACTICUM I

This course provides students with practical experience in observing and recording children’s individual abilities and interests over time. The course is designed to integrate theories and practices in the ECCE field. Students observe and participate in child care programs in the region. Reflective practice and professional conduct are developed.

ECCE 169 - CLINICAL PRACTICUM II

This course provides students with practical experience in observing and recording children’s individual abilities and interests over time. The course is designed to integrate theories and practices in the ECCE field. Students observe and participate in child care programs in the region. Reflective practice and professional conduct are developed.

ECCE 178 - FOUNDATIONS OF PROFESSIONAL PRACTICE I

This course provides an overview to the role of the professional in early childhood care and education. Learners are supported in examining personal values, beliefs and assumptions about young children, families and services for children and families.

ECCE 179 - FOUNDATIONS OF PROFESSIONAL PRACTICE II

This course provides an overview of the field of early childhood education from a philosophical perspective. An ecological approach is used to explore issues such as diversity, personal and professional ethics, legal requirements and other factors relevant to children, families and child care environments. Students examine anti-bias principles and approaches to working with young children. By exploring their own adult role in play environments, learners will integrate thinking regarding philosophies of least restrictive environments and inclusionary practices.

ECCE 186 - CHILD HEALTH AND SAFETY

The focus of this course is on personal wellness and the planning, establishment and maintenance of a safe and healthy environment in programs for
children from birth to school age. Topics include: food preparation and handling; planning nutritious snacks and meals; diapering and toileting; accident prevention and hazard identification; medication; illness management and assessment; modeling healthy practices and utilizing community health resources.

**ECCE 188 - RESPONSIVE CHILD-CENTERED ENVIRONMENTS**

This course provides opportunities to learn about warm, caring, responsive relationships and emotionally safe child-centered environments. Students explore the areas of art, music, movement and drama within the conceptual frameworks of developmentally appropriate practice, the competent child, diversity, child-centered environments, sensory motor exploration, emergent curriculum and creativity.

**ECCE 189 - RESPONSIVE CHILD-CENTERED ENVIRONMENTS II**

This course builds on the concepts and theories of ECCE 188 with an emphasis on play theory, social relationships and skills, and creative and cognitive processes in children ages three to six years. Learners examine the interface of adults and children in a child-centered environment. Students learn ways of supporting and extending the interests, understandings and problem-solving abilities of young children.

**ECCE 193 - CHILD-CENTERED PARTNERSHIPS I**

In this course, learners reflect upon values, beliefs and attitudes towards building warm relationships with children. Understanding of self within the guiding relationship is developed. With the use of problem solving techniques, students learn the skills of guiding and caring for children and creating emotionally safe, respectful environments that are empowering and that enhance autonomy and maximize potential.

**ECCE 195 - PRACTICUM I**

This course provides the learner with practical experience in an early childhood centre. Students integrate learning and demonstrate skills in interpersonal communication, observing and recording children’s responses and abilities, program planning, guiding and caring and growing professional awareness. Seminars are scheduled for reflective discussion of practicum learning.

**ECCE 293 - CHILD-CENTERED PARTNERSHIPS II**

In ECCE 293: Child-Centred Partnerships II, concepts and skills of ECCE 193 are further developed and enhanced; for example, understanding of self within the guidance relationship, creating emotionally safe and respectful environments and enhancing autonomy. Students examine guiding relationships and apply principles and skills to complex situations. Students will also have the opportunity to learn about the various community partners and their role in supporting young children.

**Pre-requisites:** Completion at a minimum “C” grade level of ECCE 193.

**ECCE 294 - PRACTICUM II**

Practicum for 6 weeks in April/May. In this course, students synthesize learning with practical application. The focus is on collaboration with families and community in the creation of inclusive, responsive, culturally-sensitive, child-centered environments for young children. Learners continue to engage in the process of self-reflection and individual goal setting regarding exemplary professional practice. Seminars are scheduled for reflective discussion of practicum learning.

**ENGL 110 - COLLEGE COMPOSITION**

English 110 is about thinking and writing. You will learn how to develop and express informed opinions on issues that matter. You will also learn about research, editing, and expository and persuasive academic writing forms.

**Pre-requisites:** A “C” or better in ENGL 12 or equivalent or LPI level 4 or written permission of the Instructor and School Chair.

**PSYC 100 - INTRODUCTORY PSYCHOLOGY I**

An introduction to the methods, theory and practice of psychology as a science. Among others, topics will include motivation and emotion, learning and memory, biological foundations, sensation and perception. Other topics are added at the discretion of the individual instructor. Class demonstrations and activities are used to illustrate concepts. Teaching methods and resources in the course vary with the instructor.

**Pre-requisites:** ENGL 12 or equivalent with a grade of “C” or better or written permission of the Instructor and School Chair.

**FC 240 - CHILD DEVELOPMENT**

An introduction to normal child development, this course explores selected aspects of the physical, cognitive, emotional, and moral development of children from birth to adolescence; and examines the major theories of child development.

**Pre-requisites:** PSY 100/101 or written permission of the Instructor and School Chair.

<table>
<thead>
<tr>
<th>Contacts</th>
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<tbody>
<tr>
<td>RACHEL WALKER</td>
</tr>
<tr>
<td>Admissions Officer</td>
</tr>
<tr>
<td>Phone: 1.888.953.1133 ext 21233</td>
</tr>
<tr>
<td>Email: <a href="mailto:rwalker@selkirk.ca">rwalker@selkirk.ca</a></td>
</tr>
<tr>
<td>TERESA PETRICK</td>
</tr>
<tr>
<td>School Chair, Health and Human Services</td>
</tr>
<tr>
<td>Phone: 250.365.7292 ext 21442</td>
</tr>
<tr>
<td>Direct: 250.365.1442</td>
</tr>
<tr>
<td>Email: <a href="mailto:tpetrick@selkirk.ca">tpetrick@selkirk.ca</a></td>
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LENGTH OF STUDY:
Up to One Year

ACCREDITATION:
General Associate of Arts and Transfer to BA

CAMPUS:
Castlegar Campus

Program Summary

WHO SHOULD STUDY ECONOMICS?
Economics is the study of the allocation of scarce resources (including: our time, our energy, our built capital, and our natural resources). Economics examines ways to get the most benefit out of our resources. If you are interested in a structured system of thought that allows for rational, well-thought decision making, economics will interest you. Economics will be of interest to students who intend to transfer to a full economics program at another university, business students and those looking for a well-rounded education. Economists play important roles in: government (all departments), banks, other financial institutions and research centres.

Admission Requirements

Admission to the program requires the completion of English 12 with a grade of "C" or better or written permission of the Instructor and School Chair. Other prerequisites depend on the electives chosen to complete the program and should be determined with the advice of a Selkirk College counsellor.

If you are a student who lacks the admission requirements, you may still gain entry to the program by taking a combination of upgrading and university courses in your first year. This may extend the length of your program.

Program Courses

Selkirk College offers introductory courses in UAS School Chair for information on transferability.

ECON 106 - PRINCIPLES OF MACROECONOMICS
ECON 106: Principles of Macroeconomics covers topics including: national income accounts, national income determination model, monetary system, monetary and fiscal policy, problems with the Macro System, inflation, unemployment, etc.: international trade - balance of payments, exchange rates, capital flows.

Prerequisites: ENGL 12 or equivalent with a grade of "C" or better.

ECON 107 - PRINCIPLES OF MICROECONOMICS
ECON 107: Principles of Microeconomics is usually taken following ECON 106: Principles of Macroeconomics. Topics covered include: supply and demand - price supports, the agricultural problem, value theory, theory of the firm - competition, pollution, industrial organization - monopoly, public utilities, advertising, income distribution - labour unions, productivity.

Prerequisites: ENGL 12 or equivalent with a grade of "C" or better.

Contacts

UNIVERSITY ARTS & SCIENCES ADMISSIONS
Admissions Officer (Castlegar)
Phone: 1.888.953.1133 ext 21233
Direct: 250.365.1233
Email: admissions@selkirk.ca

UNIVERSITY ARTS & SCIENCES
Program Contact
Phone: 1.888.953.1133 ext 21205
Direct: 250.365.1205
Email: UAS@selkirk.ca

TRACY PUNCHARD
School Chair of UAS; Instructor, English
Phone: 1.888.953.1133 ext 21318
Direct: 250.365.1318
Email: tpunchard@selkirk.ca
Course of Studies
This certificate program ladders in to the Human Services Diploma option.

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Program Summary
Do you want a rewarding and challenging career and have a strong desire to support others? As a Education Assistant & Community Support Worker, you'll work with children and adults living with disabilities, their families, teachers and other support professionals.

CONSIDER THIS PROGRAM IF YOU ARE
– Caring and empathetic
– Genuinely interested in working with people
– Comfortable advocating for others
– Flexible and able to adapt to diversity
– A good communicator

PREPARE FOR LEADERSHIP
– Ready for work as an Educational Assistant, Community Support Worker or Job Coach
– You will be prepared for lifelong learning and continued post-secondary education
– Foster your commitment to personal and professional wellness
– Develop your working knowledge of the importance of community partnerships

DEPTH IN THE DEVELOPMENT OF
– Knowledge (head)
– Solid value base (heart) and
– Professional skills practice (hands)

ASSIST OTHERS WITH
– Life Skills
– Recreation
– Residential
– Supported Employment

LENGTH OF STUDY: 9 Months / 2 years

ACCREDITATION: Certificate / Diploma

CAMPUS: Castlegar Campus

TRANSFER OPPORTUNITIES
Your Education Assistant & Community Support Worker Program Certificate serves as your prerequisite for entry into the following Human Services Diploma Specialty for a total of two years of study at Selkirk:
– Child and Youth Care Specialty

The Social Service Worker Human Services Diploma Specialty can be taken by Education Assistant & Community Support Worker Program graduates - additional bridging courses are required. This program also transfers to related universities.

Admission Requirements
Students may complete the program on a full or part-time basis.

Part-time students are required to have their planned program reviewed by a program instructor who will provide advice regarding the selection of appropriate part-time options.

In addition to Meeting the General Entrance Requirements for Admission to Selkirk College, an applicant must meet the following program requirements:

ACADEMIC REQUIREMENTS
Official transcripts from high school or post-secondary institutions (mailed directly from the Ministry of Education and educational institutions) showing the following:
– High school graduation or equivalent (mature students are welcome to apply)
– English 12 or equivalent with a grade of “C” or better, or a minimum Language Proficiency Index (LPI) score of level 4, or English 51 from Selkirk College
DOCUMENTS REQUIRED
- A completed form from an agency where you have done a minimum of 30 paid or volunteer hours.
- A health information form (please find information in Application Package).
- A completed one-page statement explaining your goals and objectives for wanting to enroll in the program.
- A criminal record check from the Ministry of Justice (please find information in Application Package).
- A completed form from an agency where you have done a minimum of 30 paid or volunteer hours. This form should be submitted directly by the agency or employer.
- A health information form (please find the forms in the Application Package).
- A completed form from the Ministry of Justice (please find in Application Package).
- A completed record check from the Ministry of Justice.

NON-ACADEMIC REQUIREMENTS
- Criminal Record Check from Ministry of Justice
- Completed résumé which includes a record of previous employment and a record of any volunteer work relevant to the proposed field of study
- A one-page statement explaining your goals and objectives for wanting to enroll in the program
- Two completed personal reference forms
- Completed health information form
- A completed form from an agency where you have done a minimum of 30 paid or volunteer hours. This form should be submitted directly by the agency or employer.
- A health information form (please find the forms in the Application Package).
- A completed one-page statement explaining your goals and objectives for wanting to enroll in the program.
- Two references from people who have known you well for more than two years. These references should be submitted by the referees in sealed envelopes marked "confidential" (please find the forms in the Application Package).
- A completed form from an agency where you have done a minimum of 30 paid or volunteer hours.
- A completed form from an agency where you have done a minimum of 30 paid or volunteer hours. This form should be submitted directly by the agency or employer.
- A health information form (please find the forms in the Application Package).
- A criminal record check from the Ministry of Justice (please find information in Application Package).

COMPUTER SKILLS
- Basic computer skills are required for this program. Necessary skills include knowledge of internet, email, word processing and file management. You are encouraged to complete the Computer Skills Self Assessment.

COLLEGE READINESS TOOL
- The College Readiness Tool (CRT) must be completed prior to starting the program. If you have completed the assessment previously at Selkirk, it's not necessary to do it again. For more information regarding the CRT, please see http://selkirk.ca/services/crt

Program Courses

CCSW 155 - FOUNDATIONS OF PRACTICE
This course introduces students to the theory and philosophical perspectives necessary for working with individuals who are challenged by a disabling condition. Values regarding service delivery are explored through an historical review of the disability movement and an examination of new initiatives and trends. This course also explores the impact of specific challenging conditions on the individual, the family and the service providers’ practice. Through personal reflection and research, the roots of person centered support will be explored and students will develop their own personal and professional philosophy of support work.

CCSW 156 - SUPPORT STRATEGIES
This course focuses on support strategies used with individuals who have disabilities. The analysis and understanding of behaviour as a means of communication is explored. Strategies are learned and practised in context to support individuals with the development of pro-social skills, life, vocational, and academic skills. An awareness of issues related to healthy sexuality and the ethics of touch are explored. Emphasis is placed on the ethics of support work and effective implementation of strategies to support individuals with disabilities to be as independent as possible.

CCSW 160 - CLASSROOM SUPPORT STRATEGIES
CCSW 160: this course focuses on the development of knowledge, skills and attitudes necessary for paraprofessionals to perform their roles and responsibilities as members of a multidisciplinary team to integrate all children into inclusive school settings.

CCSW 161 - PERSON-CENTERED PLANNING
This course focuses on the need for planning, advantages and disadvantages of planning and the key elements of the planning process. The course examines how to identify and obtain information relevant to planning, formulation of long and short-term objectives, prioritization of objectives, and translation of objectives into action. Emphasis is placed on viewing planning as a dynamic process and analysis of human interaction as part of the planning process. Models for structuring positive interaction of all planning team members are reviewed.

CCSW 165 - HEALTH AND WELLNESS
CCWS 165: Health and Wellness is designed to introduce the essential concepts of health and wellness with emphasis on six dimensions of wellness including: emotional, intellectual, spiritual, occupational, social and physical. Students will examine health and wellness from two perspectives. The first includes the examination of wellness in the students’ lives with emphasis on developing strategies to increase resiliency and well being in the work place. The second dimension will focus on ways in which the wellness of others can be enhanced in a respectful, person-centred way that values personal choice and preferences. The course will emphasize the importance of lifestyle changes being self-directed and on understanding ways in which we can support change in others and ourselves. Lecture, interactive exercises and group discussions will be used to explore a variety of topics including: stress management, diet and nutrition, ageing, intimacy and relationships, immunity, safety, lifestyle, developing relationships and quality of life. The importance of professional accountability and authenticity in supporting the wellness of others will be emphasized.

CCSW 170 - AUGMENTATIVE COMMUNICATION
This course explores alternative forms of communication for people with little or no speech. Non-speech communication programming is examined through review of normal and disordered language and the strengths and weaknesses of various augmentative communication systems. Communication systems studied include sign language and other manual systems, pictogram/ ideogram communication and electronic systems.

CCSW 179 - APPLICATION OF THEORY TO PRACTICE
This course provides an overview of the role of the Special Education Assistant and of the Community Support Worker. Codes of ethics, standards of practice, relevant policies and their application to practice are discussed as well as the practice of working as part of a multidisciplinary team. Content
focuses on integration of relevant theory from other CCSV courses into practice to enhance theoretical learning. Students will develop short- and long-term professional goals and objectives and develop a professional portfolio in preparation for employment or continuing education.

CCSV 195 - PRACTICUM I
CCSV 195: Practicum 1 provides students with an opportunity to work and observe in an educational or community living setting under the direction of college instructors and on-site staff. The focus of this practicum is to provide students with an opportunity to interact with children or adults with diverse abilities, to develop objective documentation skills and to observe the techniques and procedures used by on-site staff.

CCSV 196 - PRACTICUM II
Practicum is an opportunity for students to demonstrate their abilities in field settings. It provides students with opportunities to learn experientially and to apply concepts from the classroom. Practicum offers students opportunities to self-evaluate and receive feedback about their knowledge, skills, abilities and attitudes in the field of Classroom and Community Support. This is a five-week block practicum requiring twenty five practicum days (20 on-site).

ENGL 110 - COLLEGE COMPOSITION
English 110 is about thinking and writing. You will learn how to develop and express informed opinions on issues that matter. You will also learn about research, editing, and expository and persuasive academic writing forms.

Pre-requisites: A "C" or better in ENGL 12 or equivalent or LPI level 4 or written permission of the Instructor and School Chair.

FAM 180 - FAMILY DYNAMICS
FAM 180: Family Dynamics is designed to provide students with a variety of theoretical perspectives to understanding families. It considers the diversity of families through the lenses of the life course perspective and political policies. Family formation, parenting, separation and divorce and aging are all examined. Family issues are also considered, including marriage and death rituals, work and poverty, same sex relationships, disabilities and immigrants. Policies that affect families are explored through an examination of violence in the family and political trends. The course is intended to be a foundation for further study of families. *The fall semester of FAM 180 is in the classroom, the winter semester offering is via distance learning.

Pre-requisites: Must be done concurrently with or after completing English 110.

HSER 174 - INTERPERSONAL COMMUNICATIONS
HSER 174: Interpersonal Communications provides the student with an opportunity to examine personal goals, values and attitudes; develop and practice listening and responding skills, and become more aware of personal strengths and limitations. This course is designed to help students gain self-understanding in order to be more effective in working with people.

PSYC 100 - INTRODUCTORY PSYCHOLOGY I
An introduction to the methods, theory and practice of psychology as a science. Among others, topics will include motivation and emotion, learning and memory, biological foundations, sensation and perception. Other topics are added at the discretion of the individual instructor. Class demonstrations and activities are used to illustrate concepts. Teaching methods and resources in the course vary with the instructor.

Pre-requisites: ENGL 12 or equivalent with a grade of "C" or better or written permission of the Instructor and School Chair.

PSYC 101 - INTRODUCTORY PSYCHOLOGY II
Topics include thinking and other cognitive processes, development of the individual, personality, behaviour disorders, health and social psychology. Other topics are added at the discretion of the instructor. Class demonstrations and activities are used to illustrate concepts.

Pre-requisites: PSYC 100 with a grade of "C" or better or written permission of the Instructor and School Chair.

SSW 161 - INTRODUCTION TO SOCIAL POLICY
SSW 161: Introduction to Social Policy explores social issues and how they are influenced by cultural ideologies and values. The historical development of social security policies and programs in Canada, within the context of larger global trends is examined. The impact of social policy on populations such as those who live in poverty, people with disabilities and minority populations will be explored with a view to the past, present and potential future status of the social safety net in Canada and other countries around the world.

Pre-requisites: ENGL 110 or equivalent with a grade of "C" or better.

Contacts

RACHEL WALKER
Admissions Officer
Phone: 1.888.953.1133 ext 21233
Email: rwalker@selkirk.ca

TERESA PETRICK
School Chair, Health and Human Services
Phone: 250.365.7292 ext 21442
Direct: 250.365.1442
Email: tpetrick@selkirk.ca
#### Course of Studies

This is a 10-Week Technical Training program.

<table>
<thead>
<tr>
<th>SEMESTER 1</th>
<th>Course Name</th>
<th>Location</th>
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<tbody>
<tr>
<td></td>
<td>ECAL 190 Electrical Apprenticeship Level 1</td>
<td>On Campus</td>
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<tr>
<td></td>
<td>ECAL 290 Electrical Apprenticeship Level 2</td>
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<td></td>
<td>ECAL 390 Electrical Apprenticeship Level 3</td>
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<tr>
<td></td>
<td>ECAL 490 Electrical Apprenticeship Level 4</td>
<td>On Campus</td>
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</table>

#### Program Summary

At Selkirk College, we offer the skills and knowledge you require to successfully complete your Red Seal Certification, BC certificate of apprenticeship and your BC Certificate of Qualification.

Selkirk College is endorsed by the BC Industry Training Authority (ITA) to deliver all four levels of Construction Electrical Apprenticeship Technical Training as well as levels 1 and 2 of Industrial Apprenticeship Technical Training to registered electrical apprentices (unregistered apprentices are admitted to levels 1 - 2, space permitting).

Each level of training consists of a full-time, ten-week, on-campus program of study. Activities include classroom sessions where as an apprentice you will learn theoretical principals of electricity and applied concepts of the Canadian Electrical Code. Laboratory sessions help to reinforce electrical concepts covered by the theory classroom component.

Upon successful completion of the Level Four technical training session, apprentices challenge the Interprovincial Trade Qualification examination. Those who pass the exam and complete the work-based hours earn the BC Certificate of Apprenticeship, the BC Certificate of Qualification, and the Interprovincial Standard Red Seal Endorsement.

#### ITA Apprenticeship Requirements

- 1,200 technical training hours, completed in 4 Levels (10 weeks each)
- 6,000 work-based training hours

#### Admission Requirements

The following admission requirements are specific to the Electrical Apprenticeship Program.

- Indentured in Electrical Apprenticeship

#### Program Courses

**ECAL 190 - ELECTRICAL APPRENTICESHIP LEVEL 1**

- Use Essential Skills
- Use Safe Work Practices
- Use Tools and Equipment
- Apply Circuit Concepts
- Use Test Equipment
- Read and Interpret Drawings and Manuals
- Apply the CEC, Regulations and Standards
- Install Low Voltage Distributions Systems
- Install Control Circuits

**Pre-requisites:** Indentured in Electrical Apprenticeship

**ECAL 290 - ELECTRICAL APPRENTICESHIP LEVEL 2**

- Use Essential Skills
- Apply Circuit Concepts
- Use Test Equipment
- Apply the CEC, Regulations and Standards
- Install Low Voltage Distributions Systems
- Install Electrical Equipment
- Install Control Circuits

**Pre-requisites:** Indentured in Electrical Apprenticeship

**ECAL 390 - ELECTRICAL APPRENTICESHIP LEVEL 3**

- Use Essential Skills
- Apply Circuit Concepts
- Use Test Equipment
- Apply the CEC, Regulations and Standards
- Install Low Voltage Distributions Systems
- Install Control Circuits

**Pre-requisites:** Indentured in Electrical Apprenticeship

**ECAL 490 - ELECTRICAL APPRENTICESHIP LEVEL 4**

- Apply Circuit Concepts
- Use Test Equipment
- Apply the CEC, Regulations and Standards
- Install Low Voltage Distributions Systems
- Install Electrical Equipment
- Install Control Circuits
- Install Signal and Communication Systems
- Install High Voltage Systems

**Pre-requisites:** Indentured in Electrical Apprenticeship

#### Contacts

**TRADES ADMISSIONS**

Registration Contact
Phone: 1.888.953.1133 ext 13204
Direct: 250.354.3204
Fax: 250.352.3180
Email: trades@selkirk.ca

**INDUSTRY AND TRADES**

Program Contact
Phone: 1.888.953.1133 ext 13221
Direct: 250.354.3221
Fax: 250.352.3180
Email: trades@selkirk.ca

**ROB SCHWARZER**

School Chair
Phone: 250.352.6601 ext 13212
Direct: 250.354.3212
Email: rschwarzer@selkirk.ca
### Program Summary

This 24-week program will provide students, even those with little or no experience, with the necessary skills to seek employment in the trades as an apprentice electrician.

The program teaches aspects of residential, commercial and industrial wiring with a focus on residential. The curriculum follows the Industry Training Authority (ITA), BC Ministry of Advanced Education and Labour Market Development guidelines for the first year of the "in class" component of the electrical apprenticeship, which includes installation of electrical equipment in compliance with the Canadian Electrical Code.

Students engage in a variety of classroom, laboratory, and shop activities. Students learn theoretical principals of electricity in the classroom, test their knowledge in the laboratory, and apply their knowledge in the shop where they design, install and construct electrical power, lighting and control systems in compliance with provincial and national codes.

Students earn credit for the Level One technical training component of the electrical apprenticeship as well as advance credit for 350 work-based hours of the practical on-the-job component of an apprenticeship.

Graduates of the Electrical Foundation Program at Selkirk College typically find employment as electrical apprentices engaged in the installation and maintenance of electrical power, lighting, heating, control, alarm, data and communication systems in residential, commercial and industrial settings as well as numerous other related fields.

### Admission Requirements

The following admission requirements are specific to the Electrical Foundation Program.

- Graduation from a British Columbia Senior Secondary School or equivalent.
- Foundations & Pre-Calculus 10, or Apprenticeship Workplace 11, or Principles 11, or Applications 12, or Selkirk ABE Math 46, with a grade of "C" or better.
- Consideration will be given to mature individuals (19 years or older) who are not Senior Secondary School graduates, provided they have completed or are in the process of obtaining one of the above prerequisites with a "C" grade or better (This course must be completed prior to the program entry date).
- A refundable tool deposit of $100 will be required at the start of the program.

### CAREER POTENTIAL

- Electrical systems installation and maintenance
- Residential, commercial and industrial construction sites
- Foreman, superintendent, estimator or electrical inspector
- Self-employed contracting business
- Supervisory and management positions

Construction is the major industry employing workers in this occupational group. The construction industry is expected to grow at the rate of 1.6% per year between 2001 and 2011, which is slightly higher than the provincial average for all industries. Industry sources expect growth in numbers of residential construction and thus expect higher employment growth over the short term.

Prospective students are advised that, due to the small size of the West Kootenay economy, only a very low percentage of Selkirk Electrical Entry graduates find apprenticeships locally. The majority find employment outside the Kootenays in the Lower Mainland, Vancouver Island, the Okanagan, Northeast BC, and Alberta. Employment success is greatly enhanced if graduates are willing to relocate.

### Contacts

**TRADES ADMISSIONS**
Registration Contact
Phone: 1.888.953.1133 ext 13204
Direct: 250.354.3204
Fax: 250.352.3180
Email: trades@selkirk.ca

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Program Contact
Phone: 1.888.953.1133 ext 13221
Direct: 250.354.3221
Fax: 250.352.3180
Email: trades@selkirk.ca

**ROB SCHWARZER**
School Chair
Phone: 250.352.6601 ext 13212
Direct: 250.354.3212
Email: rschwarzer@selkirk.ca

**LEARN VITAL INDUSTRY STANDARDS**
- Canadian Electrical Code Regulations and Standards
- Circuit concepts and basics
- Control circuit installation
- Low voltage distribution systems installation
- Read and interpret drawings and manuals
- Safe work practices
- Test equipment usage

**Careers**

Employment in electrical trades is forecast to grow at about the average for all occupations through to 2011. About 1261 new jobs and an additional 1472 replacement jobs will become available as workers retire.

This forecast reflects the historic relationship between population growth and construction activity and the generally good level of investment and housing activity.
Course of Studies
The following is a suggested mix of courses to satisfy requirements for the associate of arts degree in elementary education. Courses should be chosen in consultation with a Selkirk College counsellor.

**YEAR 1**

**SEMESTER 1**

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<tr>
<th>Course</th>
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<th>Credit</th>
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<tr>
<td>CAN CON I</td>
<td>Canadian Content Elective</td>
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<tr>
<td>ENGLISH</td>
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<tr>
<td>MATH</td>
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<tr>
<td>UAS ELECT</td>
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**SEMESTER 2**

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<td>Canadian Content Elective</td>
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<tr>
<td>ENGLISH</td>
<td>English Requirement: ENGL 111 or ENGL 114</td>
<td>On Campus 3</td>
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<tr>
<td>MATH</td>
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**YEAR 2**

**SEMESTER 3**

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<td>UAS ELECT II</td>
<td>UAS 200 level course elective</td>
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**LENGTH OF STUDY:**
2 Years

**ACCREDITATION:**
Associate of Arts Degree

**CAMPUS:**
Castlegar Campus

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Program Summary
Get started on your bachelor of education degree. With two years of courses from your associate degree, you’ll be well on your way to completing your bachelor with most or all of the admission requirements for entry into third year at BC universities. After you graduate with your bachelor degree, you can come back to the West Kootenay and complete your bachelor of education in the West Kootenay Teacher Education Program (WKTEP) delivered by the University of British Columbia. Take this program if you love connecting with young minds and having the chance to be part of shaping their future. With a career in education you have the opportunity to contribute to the next generation’s success—and your own. It’s a win for everyone. As part of your associate degree at Selkirk College, you can choose courses that satisfy the Canadian content, math, laboratory science and English requirements to enter a university education program. Our instructors work alongside you to ensure you get the best education possible, just like you’ll do when it’s your turn at the blackboard.

**Admission Requirements**
Admission to the program requires the completion of English 12 with a grade of "C" or better or written permission of the Instructor and School Chair. Other prerequisites depend on the electives chosen to complete the program and should be determined with the advice of a Selkirk College counsellor. If you are a student who lacks the admission requirements, you may still gain entry to the program by taking a combination of university courses in your first year. This may extend the length of your program.
Program Courses

- CANADIAN CONTENT ELECTIVE
A student may take any one of the Canadian content courses listed here. Note: some universities may not accept Canadian literature courses or courses that study one area or province of Canada. Please consult a Selkirk College counsellor.
  - ENGL 202 - Canadian Literature I: Indigenous Voices
  - GEOG 136 - The Geography of British Columbia
  - HIST 104 - Canada Before Confederation
  - HIST 203 - A History of British Columbia

- CANADIAN CONTENT ELECTIVE
A student may take any one of the Canadian content courses listed here. Note: some universities may not accept Canadian literature courses or courses that study one area or province of Canada. Please consult a Selkirk College counsellor.
  - ENGL 203 - Canadian Literature II: Contemporary Voices
  - HIST 105 - Contemporary Canada
  - HIST 210 - A History of the First Nations of Canada

- ENGLISH REQUIREMENT: ENGL 110 OR ENGL 112
Students requiring first-year English have a choice of the English 110/111 sequence and the 112/114 sequence.
  - ENGL 110 - College Composition
  - The 110/111 sequence is focused on the development of academic writing and research.
  - ENGL 112 - Introduction to Poetry and Drama
  - The 112/114 sequence is focused on the interpretation of literature.

- ENGLISH REQUIREMENT: ENGL 111 OR ENGL 114
Students requiring first-year English have a choice of the English 110/111 or the 112/114 sequence. The 110/111 sequence is focused on the development of academic writing and research.
  - ENGL 111 - Introduction to Literature
  - The 112/114 sequence is focused on the interpretation of literature.
  - ENGL 114 - Introduction to Prose Fiction

- LABORATORY SCIENCE ELECTIVE
A student may take any first- or second-year science course with a minimum two-hour lab, excluding any courses in applied science, computing science, math or statistics. Some university degree programs may not accept astronomy and/or physical geography as a lab science. Please consult a Selkirk College counsellor.
  - Astronomy
  - Biology
  - Chemistry
  - Geography 130, 232, 254
  - Geology
  - Physics

- MATH REQUIREMENT: MATH 100 OR MATH 180
Students can choose from the math 100/101 calculus sequence or the math 180/181 sequence.
  - MATH 100 - Calculus I
  - MATH 180 - Mathematics for Teachers

- MATH REQUIREMENT: MATH 101 OR MATH 181
Students can choose from the math 100/101 calculus sequence or the math 180/181 sequence.
  - MATH 101 - Calculus II
  - MATH 181 - Problem Solving

- GENERAL UAS ELECTIVE
A student may take any first-year or higher university transferable course to satisfy this elective. Each course must transfer for three or more credits to at least one of: SFU, UBC (Vancouver or Okanagan), UNBC or UVIC.
To learn more about how your courses transfer visit the online BC Transfer Guide or contact a Selkirk counsellor.

- UAS 200 LEVEL COURSE ELECTIVE
A 200-level university transfer Arts elective chosen in consultation with a Selkirk College counsellor. More advanced university transfer courses will also satisfy this requirement.

Contacts

UNIVERSITY ARTS & SCIENCES ADMISSIONS
Admissions Officer (Castlegar)
Phone: 1.888.953.1133 ext 21233
Direct: 250.365.1233
Email: admissions@selkirk.ca

UNIVERSITY ARTS & SCIENCES
Program Contact
Phone: 1.888.953.1133 ext 21205
Direct: 250.365.1205
Email: UAS@selkirk.ca

TRACY PUNCHARD
School Chair of UAS; Instructor, English
Phone: 1.888.953.1133 ext 21318
Direct: 250.365.1318
Email: tpunchard@selkirk.ca
Program Summary
Let your imagination run free as you learn how to successfully design and create lasting structures from the ground up.

BUILD YOUR DREAM CAREER
Engineers are thinkers and builders who apply science and math to every aspect of modern life. They design and develop the products and processes that we use every day. Engineering is a solid career path leading to high-paying jobs and satisfying work. You'll learn how to make your mark in physical structures in our first-year Engineering Transfer (Applied Science) program. By starting your studies with us, you'll get a strong background in math and physics, leaving you with a lighter workload in your degree's remaining three years. You can complete your first year science, math, and engineering requirements with us, as well as take any prep courses if you don't already have the necessary prerequisites. Successful completion of this certificate program allows you to transfer your credits towards an engineering degree at UBC, SFU, UVic, or the University of Alberta.

CAREER OPTIONS
– Aerospace Engineer
– Architectural Engineer
– Bioengineer
– Chemical Engineer
– Civil Engineer
– Computer Engineer
– Electrical Engineer
– Environmental Engineer
– Geological Engineer
– Industrial Engineer
– Manufacturing Engineer
– Mechanical Engineer
– Metallurgical Engineer
– Mining Engineer
– Resource Management Engineer

LENTH OF STUDY:
1 Year

ACCREDITATION:
Certificate

CAMPUS:
Castlegar Campus

ENGINEERING CO-OP
Co-op education lets you integrate your first year of academic study with periods of paid, related work experience. Co-op work term credit is transferable to university co-op engineering programs.

Admission Requirements
Programs vary depending on the university a student wishes to attend. Courses should be chosen only after consultation with a Selkirk College counsellor.

Admission to the one-year Engineering Transfer (Applied Science) program requires the completion of the following courses (or equivalents) with a minimum grade of 80% in each course unless otherwise stated:
– Chemistry 12
– Pre-calculus 12 or Principles of Math 12
– Physics 12
– English 12 with a minimum grade of "C+"

All students are expected to have their academic readiness assessed by the College Readiness Tool (CRT). Applicants will also have an interview with the School Chair.

If you are interested in the program, but do not have the pre-requisites, please contact the School Chair. We will look at pathways for motivated students. This mode of entry may extend the length of your program. Completion within one year has some transfer benefits.

Program Courses

APSC 100 - ENGINEERING GRAPHIC COMMUNICATIONS
This course is an introduction to the principles of graphic communication used in the engineering field. In this course the following topics are covered: orthographic projections; isometric drawings; section and auxiliary views; dimensioning; descriptive geometry topics including intersections and vector analysis; applications vary from geology/mining to truss analysis. Forms of data presentation are
discussed including American and International standards. AutoCAD is a software tool commonly used in the presentation of graphical information. Topics covered in the use of AutoCAD include but are not limited to: template drawings and file management; setting limits, units, layers and line types; scale factors; drawing and editing commands; creating text and styles; dimensioning and styles; plotting; solid modeling and design; block creation; model vs. paper space.

Pre-requisites: Admission to Engineering.

APSC 120 - INTRODUCTION TO ENGINEERING
A course designed to introduce students to the Engineering profession. Information on the profession, the branches of Engineering, and the work conducted by practicing Engineers in the different disciplines is provided. The course includes field trips to various industries and guest lectures by practising Engineers.

Pre-requisites: Admission to Engineering.

CHEM 122 - GENERAL CHEMISTRY I
CHEM 122: General Chemistry I is an introductory general chemistry course leading into science or engineering programs for students who have a solid chemistry background, including Chemistry 12 or equivalent. After a short review of fundamental chemistry, classical and quantum mechanical concepts are used to discuss atomic and molecular structure. The course ends with an investigation of intermolecular forces in liquids and solids. The lab work stresses scientific observations and measurements using chemical syntheses and quantitative analyses.

Pre-requisites: CHEM 12 or CHEM 62/63 or CHEM 110, and Pre-calculus Math 11 (Principles of Math 12) or Math 050 or MATH 52/53, each with a "C" or better. Pre-calculus Math 12 (Principles of Math 12) or Math 051 or MATH 62/63 is recommended.

CHEM 125 - FOUNDATIONS OF CHEMISTRY II
CHEM 125: Fundamentals of Chemistry II is the continuation for either CHEM 110 or CHEM 122. The course consists of two major units: physical chemistry and organic chemistry. The study of physical chemistry begins with an investigation of reaction rates (kinetics), followed by the principles of equilibria applied to pure substances and aqueous solutions, and an introduction to the laws of thermodynamics. The second major unit is a survey of the field of organic chemistry; topics include the physical and chemical properties of alkanes and alkenes, stereochemistry, and addition, substitution, and elimination reactions. The laboratory work involves the measurement of physical and chemical properties as well as chemical syntheses.

Pre-requisites: CHEM 110 or CHEM 122 with a grade of "C" or better, or written permission of the Instructor and School Chair.

CPSC 100 - INTRODUCTION TO PROGRAMMING I
An introductory object-oriented (OO) programming course with emphasis on basic programming constructs, algorithms, program design, and good programming practices. This course will introduce a high-level language to illustrate programming basics. Students will develop and test small OO programs which loop, make decisions, access arrays, define classes, instantiate objects, and invoke methods.

Pre-requisites: Pre-calculus 12, Foundations 12, MATH 051 or MATH 50 with a grade of "C" or better, or written permission of the Instructor and School Chair.

ENGL 110 - COLLEGE COMPOSITION
English 110 is about thinking and writing. You will learn how to develop and express informed opinions on issues that matter. You will also learn about research, editing, and expository and persuasive academic writing forms.

Pre-requisites: A "C" or better in ENGL 12 or equivalent or LPI level 4 or written permission of the Instructor and School Chair.

MATH 100 - CALCULUS I
A course designed to provide students with the background in calculus needed for further studies. This course includes: a review of functions and graphs; limits; the derivative of algebraic, trigonometric, exponential and logarithmic functions; applications of the derivative including related rates, maxima, minima, velocity and acceleration; the definite integral; an introduction to elementary differential equations; and, applications of integration including velocity, acceleration, areas, and growth and decay problems.

Pre-requisites: Pre-calculus 12, Principles of Math 12 or Math 051 or MATH 62/63 is recommended.

MATH 101 - CALCULUS II
This course is a sequel to MATH 100 for those students who wish to major in mathematics, sciences or applied sciences. The course includes: antiderivatives and integration; the definite integral; areas and volumes; transcendental functions; techniques of integration; parametric equations; polar coordinates; indeterminate forms, improper integrals and Taylor's formula; and infinite series.

Pre-requisites: MATH 100 or equivalent with a grade of "C" or better or written permission of the Instructor and School Chair.

MATH 221 - INTRODUCTORY LINEAR ALGEBRA
Math 221: Introductory Linear Algebra, provides an introduction to linear algebra and vector spaces. Topics covered in the course include the solution of systems of linear equations through Gaussian elimination; matrices and matrix algebra; vector spaces and their subspaces; coordinate mappings and other linear transformations; construction of Gram-Schmidt bases and least-square approximations. Although the course devotes a substantial amount of time to computational techniques, it should also lead the student to develop geometrical intuitions, to appreciate and understand mathematical abstraction and to construct some elementary proofs.

Pre-requisites: MATH 100 with a grade of "C" or better or written permission of the Instructor and School Chair.

PHYS 104 - FUNDAMENTAL PHYSICS I
A calculus-based survey of mechanics and thermodynamics. This course is designed for students interested in further study in Physical Science and Engineering.

Pre-requisites: PHYS 12 or equivalent with a grade of "C" or better or written permission of the Instructor and School Chair.

PHYS 105 - FUNDAMENTAL PHYSICS II
A calculus-based survey of waves, sound, optics, electricity and magnetism. This course is designed for students interested in further study in Physical Science and Engineering.

Pre-requisites: PHYS 104 and MATH 100 with a grade of "C" or better or written permission of the Instructor and School Chair.

PHYS 200 - PRINCIPLES OF MECHANICS
This physics (engineering) course is designed to further the student's ability to apply Newton's laws of motion to problems which involve the following concepts: coordinate systems; free body diagram; equivalent force systems; the statics of particles and rigid bodies; friction and force; particle mass and acceleration. Problem-solving is emphasized, where both analytic (vector) and graphic techniques are used to solve the assigned problems.

Pre-requisites: PHYS 105, MATH 101 or its equivalent with a grade of "C" or better, or admission to the Bridging Program in Engineering.
- GENERAL UAS ELECTIVE
A student may take any first-year or higher university transferable course to satisfy this elective. Each course must transfer for three or more credits to at least one of: SFU, UBC (Vancouver or Okanagan), UNBC or UVIC. To learn more about how your courses transfer visit the online BC Transfer Guide or contact a Selkirk counsellor.

Contacts

UNIVERSITY ARTS & SCIENCES ADMISSIONS
Admissions Officer (Castlegar)
Phone: 1.888.953.1133 ext 21233
Direct: 250.365.1233
Email: admissions@selkirk.ca

UNIVERSITY ARTS & SCIENCES
Program Contact
Phone: 1.888.953.1133 ext 21205
Direct: 250.365.1205
Email: UAS@selkirk.ca

TRACY PUNCHARD
School Chair of UAS; Instructor, English
Phone: 1.888.953.1133 ext 21318
Direct: 250.365.1318
Email: tpunchard@selkirk.ca
**Year 1**

The following is a suggested mix of courses to satisfy requirements for the associate of arts degree in English. This suite of courses will also meet the requirements of the provincially recognized flexible pre-major. Courses should be chosen only after consultation with a Selkirk College counsellor. To satisfy the requirements for an associate of arts degree in our creative writing studies program substitute the arts I elective in each semester with CWRT 101 respectively. As an alternative, you may be interested in exploring a liberal arts diploma in creative writing.

### SEMESTER 1

<table>
<thead>
<tr>
<th>Course</th>
<th>Name</th>
<th>Credit</th>
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<tbody>
<tr>
<td>ENGLISH</td>
<td>English Requirement: ENGL 110 or ENGL 112</td>
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<tr>
<td>MATH SCI</td>
<td>Mathematical Science Elective for Arts</td>
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</tr>
<tr>
<td>SOC SCI</td>
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<td>ARTS I</td>
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### SEMESTER 2

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<td>Laboratory Science Elective</td>
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</table>

**Length of Study:**

2 Years

**Accreditation:**

Associate of Arts Degree

**Campus:**

Castlegar Campus

Our two-year English program will prepare you for entry into the third year of an English or arts program at most degree-granting institutions.

Here are some outcomes a student who graduates from English should expect.

- Communicate clearly and effectively
- Use language to teach, delight and persuade
- Argue convincingly
- Research, analyze and present complex information
- Critically read texts of all kinds and assess their rhetorical, ideological and aesthetic strategies
- Explain the importance of literature in society and its role in creating identities, representing diversity, and encouraging empathy
- Contribute to the well-being of society through tolerance, compassion, and a curiosity about human nature

**Program Summary**

Are you interested in other people, their lives and ideas?

**Program Overview**

Do you love words and stories? Literature invites you to participate in experiences and ideas beyond your own and grants you access to some of history’s and today’s most imaginative minds. Studying English is a great place to start if you are interested in exploring philosophy, sociology or politics. You can also continue towards an associate of arts degree in English at Selkirk (two years) and then a bachelor of arts degree in English (two more years at a university).

**Career Opportunities**

Graduates of English enjoy successful careers because their skills are always in demand. Employers hire English majors because they have advanced skills in writing and public speaking; critical thinking and creative problem-solving; research, analysis and interpretation. In addition, employers like to work with English majors because these students have developed ethics, empathy, and an appreciation of diversity.

As an English major you will be well prepared to find employment in the following fields:

- Communications
- Creative Writing
- Teaching, Education and Curriculum Dev.
- Lobbying and Advocacy
- Publishing
- Advertising and Marketing
- Broadcasting
- Public Relations
- Technical Writing
- Speech Writing
- Editing
- Project Management
- Research, Library and Info. Services
- Public Service

**Outcomes**

The following is a suggested mix of courses to satisfy requirements for the associate of arts degree in English. This suite of courses will also meet the requirements of the provincially recognized flexible pre-major. Courses should be chosen only after consultation with a Selkirk College counsellor. To satisfy the requirements for an associate of arts degree in our creative writing studies program substitute the arts I elective in each semester with CWRT 101 respectively. As an alternative, you may be interested in exploring a liberal arts diploma in creative writing.

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**Length of Study:**

2 Years

**Accreditation:**

Associate of Arts Degree

**Campus:**

Castlegar Campus

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- Research, analyze and present complex information
- Critically read texts of all kinds and assess their rhetorical, ideological and aesthetic strategies
- Explain the importance of literature in society and its role in creating identities, representing diversity, and encouraging empathy
- Contribute to the well-being of society through tolerance, compassion, and a curiosity about human nature

**Admission Requirements**

Admission to the program requires the completion of English 12 with a grade of “C” or better or written permission of the Instructor and School Chair. Other prerequisites depend on the electives chosen to complete the program and should be determined with the advice of a Selkirk College counsellor.

If you are a student who lacks the admission requirements, you may still gain entry to the program by taking a combination of university courses in your first year. This may extend the length of your program.
**Year 2**

The following is a suggested mix of courses to satisfy requirements for the associate of arts degree in English. This suite of courses will also meet the requirements of the provincially recognized flexible pre-major. Courses should be chosen only after consultation with a Selkirk College counsellor.

To satisfy the requirements for an associate of arts degree in creative writing studies substitute the arts II elective in each semester with CWRT 201 respectively.

As an alternative, you may be interested in exploring a liberal arts diploma in creative writing.

**SEMESTER 3**

<table>
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<tr>
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<td>ENGL 200</td>
<td>A Survey of English Literature I</td>
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<tr>
<td>ENGL LIT</td>
<td>Topics in Literature: ENGL 202 or ENGL 204</td>
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<tr>
<td>ARTS II</td>
<td>Second Year Arts Breadth Requirement (Excluding Discipline)</td>
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<td>OPEN SCI</td>
<td>Science Elective</td>
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Total 15

**SEMESTER 4**

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<td>ENGL 201</td>
<td>A Survey of English Literature II</td>
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<tr>
<td>ENGL LIT</td>
<td>Topics in Literature: ENGL 203 or ENGL 205</td>
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<tr>
<td>ARTS II</td>
<td>Second Year Arts Breadth Requirement (Excluding Discipline)</td>
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<td>UAS ELECT</td>
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<tr>
<td>UAS ELECT</td>
<td>General UAS Elective</td>
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Total 15

**Program Courses**

- **FIRST OR SECOND YEAR ARTS REQUIREMENT**
  Students may take any first- or second-year UAS Arts elective (Humanities or Social Sciences) excluding your major discipline.

- **SECOND YEAR ARTS BREADTH REQUIREMENT (EXCLUDING DISCIPLINE)**
  Students may take any second-year UAS Arts elective (Humanities or Social Sciences) excluding your major discipline.

**ENGL 200 - A SURVEY OF ENGLISH LITERATURE I**

“In spring folk long to go on pilgrimage”—so begins Geoffrey Chaucer’s 14th century masterpiece of the English tradition, The Canterbury Tales. In English 200, we will set out on a pilgrimage which honours the living beauty of the English language and its greatest writers such as Spenser, Shakespeare and Donne, ending in the 17th century with Milton.

**Pre-requisites:** A "C" or better in ENGL 110/111 or ENGL 112/114 or equivalent, or written permission of the Instructor and School Chair.

**ENGL 201 - A SURVEY OF ENGLISH LITERATURE II**

From the calm reason of the Enlightenment to the passion of the Romantics, we still live out the questions first asked by the brilliant writers of 18th and 19th Centuries. In the company of such authors as Pope, Swift, Wollstonecraft, Keats, Wordsworth, and Austen, we continue our pilgrimage into culture, belief, and literary achievement begun in the previous semester with English 200.

**Pre-requisites:** A "C" or better in ENGL 200 or equivalent or written permission of the Instructor and School Chair.

- **TOPICS IN LITERATURE:**
  ENGL 202 OR ENGL 204

Students requiring a second-year Topics in Literature course have a choice of the English 202/203 (Canadian Literature) sequence and the 204/205 (Children's Literature) sequence.

**ENGLISH REQUIREMENT:**

ENGL 110 OR ENGL 112

Students requiring first-year English have a choice of the English 110/111 sequence and the 112/114 sequence.

- ENGL 110 - College Composition
- The 110/111 sequence is focused on the development of academic writing and research.
- ENGL 112 - Introduction to Poetry and Drama
- The 112/114 sequence is focused on the interpretation of literature.

**ENGLISH REQUIREMENT:**

ENGL 111 OR ENGL 114

Students requiring first-year English have a choice of the English 110/111 or the 112/114 sequence. The 110/111 sequence is focused on the development of academic writing and research.

- ENGL 111 - Introduction to Literature
- The 112/114 sequence is focused on the interpretation of literature.
- ENGL 114 - Introduction to Prose Fiction

- **HUMANITIES ELECTIVE**

Students have the choice of any course from the list of 100 or 200 level Humanities courses offered by Selkirk.

- Creative Writing
- English
- French
- History
- Peace & Justice Studies
- Philosophy
- Spanish
- LABORATORY SCIENCE ELECTIVE
A student may take any first- or second-year science course with a minimum two-hour lab, excluding any courses in applied science, computing science, math or statistics. Some university degree programs may not accept astronomy and/or physical geography as a lab science. Please consult a Selkirk College counsellor.
- Astronomy
- Biology
- Chemistry
- Geography 130, 232, 254
- Geology
- Physics

- SCIENCE ELECTIVE
Students may take any first- or second-year UAS Science course. This course is not required to have a lab component.

- Social Science Elective
A student may take any Selkirk course from the following disciplines:
- Anthropology
- Economics
- Psychology
- Sociology
- Women's Studies
In addition, a student may take:
- Geography 130
- Geography 136
- Geography 140
Students may also be able to take Human Services course such as:
- Gerontology 200
- Addiction 184
- Family 180
- First Nations 287
Other course may satisfy the requirement, please check with a counsellor or the UAS Chair.

- LABORATORY SCIENCE ELECTIVE FOR ARTS
Students may take any university-transferable, first- or second-year course in mathematics, computer science or statistics.
- MATH 100
- MATH 101
- MATH 125
- MATH 140
- MATH 180
- MATH 181
- MATH 221
- CPSC 100
- CPSC 101
- STAT 105
- STAT 206

- MATHEMATICAL SCIENCE ELECTIVE FOR ARTS
Students may take any university-transferable, first- or second-year course in mathematics, computer science or statistics.
- MATH 100
- MATH 101
- MATH 125
- MATH 140
- MATH 180
- MATH 181
- MATH 221
- CPSC 100
- CPSC 101
- STAT 105
- STAT 206

- GENERAL UAS ELECTIVE
A student may take any first-year or higher university transferable course to satisfy this elective. Each course must transfer for three or more credits to at least one of: SFU, UBC (Vancouver or Okanagan), UNBC or UVIC. To learn more about how your courses transfer visit the online BC Transfer Guide or contact a Selkirk counsellor.

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UNIVERSITY ARTS & SCIENCES
Program Contact
Phone: 1.888.953.1133 ext 21205
Direct: 250.365.1205
Email: UAS@selkirk.ca

TRACY PUNCHARD
School Chair of UAS; Instructor, English
Phone: 1.888.953.1133 ext 21318
Direct: 250.365.1318
Email: tpunchard@selkirk.ca
English Language Program

LENGTH OF STUDY:
Depending on English skill level at entry, this is 1 to 6 semesters

ACCREDITATION:
Certificate

CAMPUS:
Castlegar Campus

Program Summary

The Academic English program gives students the opportunity to build their English language skills and earn credits that can be used to transfer into Selkirk College diploma or University Transfer programs.

The core English Language Program includes instruction in all English skill areas at fundamental, intermediate, and advanced stages. Students at all levels have a choice of oral communication seminars as well as additional elective courses. Advanced students may choose courses with either a communicative, business or an academic focus.

PROGRAM
- Students are tested on arrival and placed in core study areas based on their individual skills
- 22 hours of instruction per week for the basic core program
- Credit granted and certificates awarded for successful completion of each level

ACTIVITIES
Students will have the opportunity to go hiking, canoeing, skiing and other outdoor activities depending on the season. On weekends, interested students can sign up for a variety of activities or for short organized trips with other students.

After class activities may have extra costs for transportation and admission that students are responsible for paying.

Additional activities may be organized if there is enough interest. Examples of additional activities include:
- Banff Trip: 2 nights ($275)
- Kelowna Trip: 1 night ($180)
- Vancouver Trip: 2 nights ($300)

Course of Studies

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<tr>
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<td>EASL 015</td>
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<td>EASL 016</td>
<td>Fundamental Writing</td>
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<td>Fundamental Reading</td>
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<td>Fundamental Communications</td>
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<td>EASL 025</td>
<td>Intermediate Grammar - Verbs</td>
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<td>Intermediate Writing - Sentence Structures</td>
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<td>Intermediate Reading - Vocabulary and Meaning</td>
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<td>Intermediate Communications - Conversation Skills</td>
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<td>Advanced Writing - Paragraphs / Essays</td>
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<td>EASL 047</td>
<td>Advanced Reading - Contemporary Reading</td>
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<td>Advanced Communications - Developing Discussions</td>
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<td>Advanced Grammar - Complex Structures</td>
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<td>Advanced Writing - College Essays</td>
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<td>EASL 056B</td>
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<td>EASL 057B</td>
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<td>EASL 057C</td>
<td>Advanced Reading - Media Reading</td>
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<td>EASL 058</td>
<td>Advanced Communications - Exploring Issues</td>
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<td>EASL 068</td>
<td>College Preparation - Community Outreach</td>
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<td>EASL 091A</td>
<td>Music and Pronunciation</td>
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<td>EASL 091B</td>
<td>Art and Photography</td>
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<td>Movies and Discussions</td>
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<td>EASL 091D</td>
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<td>EASL 092A</td>
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<td>EASL 092B</td>
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<td>EASL 092D</td>
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<tr>
<td>EASL 093C</td>
<td>Teaching and Learning Languages</td>
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</table>
Admission Requirements

No minimum TOEFL or IELTS score is needed for entry into the English Language Program.

International applicants seeking admission generally must:
- be at least 18 years of age, or
- must have successfully completed the equivalent of British Columbia Grade 12 or
- be approved by Selkirk International.

Upon arrival, students will be interviewed, tested and placed according to their skill levels and needs.

Short Term Programs

Selkirk College offers two short-term study options for international students to study the English language and explore Canadian culture.
- Option 1: Language and Culture Experiences
- Option 2: Specialized tours for groups

Program Courses

EASL 015 - FUNDAMENTAL GRAMMAR
This course provides an introduction to basic grammatical structures for students who speak English as an additional language. Students study and practice present, past, and future verb tenses, question forms, nouns and pronouns, and expressions of time and number in both written and oral form.

EASL 016 - FUNDAMENTAL WRITING
This course provides students who speak English as an additional language with instruction and opportunities to write at a fundamental level. Students use and practice the verb forms studied in Grammar courses in their writing assignments and learn to use basic sentence and paragraph structure. Students begin to use fundamental components of the writing process to write about personal and familiar topics. Students use the computer lab for some class work and keep weekly journals to write about their experiences.

EASL 017 - FUNDAMENTAL READING
This course helps students who speak English as an additional language to improve their understanding of English through reading at a fundamental level. Students build basic vocabulary, develop an understanding of word forms, learn to use reading skills such as skimming and scanning, and discuss ideas through reading selected material.

EASL 018 - FUNDAMENTAL COMMUNICATIONS
This course develops students’ ability and confidence to conduct fundamental conversations in English about common daily subjects. Students use common functional vocabulary, form simple phrases and questions, and practice high frequency grammatical structures to communicate personal needs, express personal likes and dislikes, and report personal and factual information.

EASL 025 - INTERMEDIATE GRAMMAR - VERBS
This course provides instruction and opportunities for students who speak English as an additional language to practice grammar at an intermediate level. Students study and practice ways to use different verb tenses, including present, past, and future, as well as time clauses, question patterns, nouns and pronouns, and modals.

Pre-requisites: EASL 015 with a grade of “C” or better, or equivalent.

EASL 026 - INTERMEDIATE WRITING - SENTENCE STRUCTURES
This course provides students who speak English as an additional language with instruction in writing and opportunities to write at an intermediate level. The course helps students develop their ability to write sentences and paragraphs using the forms and structures studied in their Grammar courses. Students are introduced to the writing process and write descriptive and narrative chronological paragraphs. Students use the computer lab for some class work and also keep weekly journals to write about their experiences.

Pre-requisites: EASL 016 with a grade of “C” or better, or equivalent.

EASL 027 - INTERMEDIATE READING - VOCABULARY AND MEANING
This course is an intermediate course for students who speak English as an additional language. Students read and discuss selected articles from the textbook and other sources with a focus on developing vocabulary and understanding meaning. Students develop their knowledge of word forms and use reading strategies such as guessing meaning from context in understanding main ideas. Students are encouraged to do supplementary reading and begin to use an English dictionary.

Pre-requisites: EASL 017 with a grade of “C” or better, or equivalent.

EASL 028 - INTERMEDIATE COMMUNICATIONS - CONVERSATION SKILLS
This course develops students’ ability to communicate beyond the basic skills related to personal and factual topics. Students develop vocabulary and grammar for informal conversations, listen to and practice natural speech patterns, and learn strategies for engaging in everyday conversations and classroom dialogues.

Pre-requisites: EASL 018 with a “C” or better, or equivalent.
EASL 035 - INTERMEDIATE GRAMMAR - STRUCTURES
This course provides instruction and opportunities for students who speak English as an additional language to practice grammar at an intermediate level. Students study and practice selected grammar structures, including connectors, gerunds, infinitives, passives, adjective and noun clauses, reported/direct speech, basic conditionals, comparisons, and phrasal verbs.

Pre-requisites: EASL 025 with a grade of "C" or better, or equivalent.

EASL 036 - INTERMEDIATE WRITING - EXPRESSING IDEAS
This course provides students who speak English as an additional language with instruction in writing and opportunities to write at an intermediate level. This course helps students to develop their ability to write accurate, simple, compound and complex sentences. Students learn to apply components of the writing process to produce clear, well-structured expository paragraphs (e.g. descriptive and narrative) that express meaningful ideas. Students are also introduced to multi-paragraph writing. Students keep weekly journals to write about their experiences.

Pre-requisites: EASL 026 with a grade of "C" or better, or equivalent.

EASL 037 - INTERMEDIATE READING - CURRENT IDEAS
This course is an intermediate course for students who speak English as an additional language. Students read and discuss selected simplified and authentic articles from the textbook and other sources with a focus on building vocabulary and knowledge of word forms, applying reading strategies such as predicting and inferring, increasing reading speed, identifying structure, and understanding and responding to current ideas. Students are encouraged to do supplementary reading and use both bilingual and unilingual dictionaries.

Pre-requisites: EASL 027 with a grade of "C" or better, or equivalent.

EASL 038 - INTERMEDIATE COMMUNICATIONS - EXPRESSING OPINIONS
This course provides opportunities for students to take an active role in initiating, sustaining and closing social conversations. Students learn to use relevant vocabulary and idioms as well as a range of intermediate grammatical structures to express opinions on familiar topics in discussions and presentations. Students learn to comprehend and produce a range of functions (e.g. clarifying and requesting clarification). Students also learn to use natural English speech patterns, intonation and rhythm and improve their listening comprehension using a variety of media sources and interpersonal communication. Students begin to take simple notes while listening.

Pre-requisites: EASL 028 with a "C" or better, or equivalent.

EASL 045 - ADVANCED GRAMMAR - COMPLEX VERBS
This course is an advanced academic course which is intended to help students, who speak English as an additional language, develop accuracy and gain fluency in the use of verb tenses and related structures such as modals and passives.

Pre-requisites: EASL 035 with a grade of "C" or better, or equivalent.

EASL 046 - ADVANCED WRITING - PARAGRAPHS / ESSAYS
This course is an academic course in writing for students who speak English as an additional language. This course includes a focus on advanced elements of effective paragraph writing, an introduction to essay formats in a variety of rhetorical styles, and an introduction to research and paraphrasing. Students use the writing process to develop their academic writing skills and keep a personal journal to develop fluency and to generate reflective ideas. The course consists of a weekly lecture and an interactive writing workshop with the instructor in the computer lab.

Pre-requisites: EASL 036 with a grade of "C" or better, or equivalent.

EASL 047 - ADVANCED READING - CONTEMPORARY READING
This course is an advanced academic course which is intended to help students read, analyse and discuss selected simplified and authentic contemporary articles from the textbook and a variety of other sources. The course focuses on learning and applying reading strategies such as using context, headings, and format to determine main ideas. Students practice active reading to make meaning and to understand and respond to ideas. Students are expected to use a unilingual English dictionary and use the college library for independent reading.

Pre-requisites: EASL 037 with a grade of "C" or better, or equivalent.

EASL 048 - ADVANCED COMMUNICATIONS - DEVELOPING DISCUSSIONS
This course develops advanced spoken language skills for students to use in discussions of various topics inside and outside the classroom. Students express their own ideas and opinions and contribute actively to informal discussions and formal presentations. Students develop their awareness of varieties of spoken language according to purpose, topic and audience, their understanding of concrete and abstract words and phrases, and their use of appropriate sound, rhythm and stress patterns. Listening and note taking skills are developed through presentations, discussions, and media resources.

Pre-requisites: EASL 038 with a "C" or better, or equivalent.

EASL 055 - ADVANCED GRAMMAR - COMPLEX STRUCTURES
This course is an advanced academic course which is intended to help students develop accuracy and gain fluency in the use of complex grammatical structures including noun clauses, adjective clauses, adverb clauses, conjunctions and connections, gerunds and infinitives.

Pre-requisites: EASL 045 with a grade of "C" or better, or equivalent.

EASL 056A - ADVANCED WRITING - COLLEGE ESSAYS
This course is an advanced academic course in writing for students who speak English as an additional language. The course focuses on using the writing process for planning, writing, and revising to produce well-developed multi-paragraph academic essays, including comparison / contrast and argumentative research. Attention is given to the use of accurate and effective research techniques. The course consists of a weekly lecture and an interactive writing workshop with the instructor in the computer lab.

Pre-requisites: EASL 046 with a grade of "C" or better, or equivalent.

EASL 056B - ADVANCED WRITING - TECHNICAL WRITING
This course is an advanced writing course for students who speak English as an additional language. This course focuses on business and non-essay writing styles. Students learn to write reports, summaries, reviews, newspaper articles and formal written communications. Students use research skills and develop necessary critical skills to edit and review their own writing.

Pre-requisites: EASL 046 with a grade of "C" or better, or equivalent.

EASL 057A - ADVANCED READING - ACADEMIC READING
Academic Reading is an advanced course which includes study and discussion of a variety of modified and authentic academic reading selections taken from the textbook and other sources. The course focuses on the development of vocabulary and specific reading strategies, including making notes and summarizing information, as well as on the
understanding and analysis of texts on academic and social topics. Students develop their ability to read critically and discuss academic texts and to use a unilingual English dictionary.

**Pre-requisites:** EASL 047 with a grade of "C" or better, or equivalent.

**EASL 057B - ADVANCED READING - WORLD LITERATURE**

World Literature is a required advanced academic reading course which includes study and discussion of a variety of short stories, poems, and essays of moderate length written by Canadian and international authors. The course focuses on the understanding of the meaning of texts in the context of a global society. Students learn to recognize major themes in literature and comprehend and apply basic literary terms. Students develop their ability to respond reflectively to literature in both oral and written form.

**Pre-requisites:** EASL 047 with a grade of "C" or better, or equivalent.

**EASL 057C - ADVANCED READING - MEDIA READING**

Media Reading is an advanced academic reading course which includes study and discussion of a variety of reading selections of moderate length taken from current media sources, including print newspapers and magazines as well as articles from the internet. The course focuses on the development of vocabulary and specific reading strategies that can be used in understanding and critiquing texts on topics of contemporary social and cultural interest. Students develop their ability to read critically and respond to media reports on current issues.

**Pre-requisites:** EASL 047 with a grade of "C" or better, or equivalent.

**EASL 058 - ADVANCED COMMUNICATIONS - EXPLORING ISSUES**

This course focuses on advanced speaking and listening skills. Students use complex grammar, vocabulary and advanced communication strategies to explore relevant issues in a variety of academic, social and cultural situations. Accuracy, fluency, comprehension and quantity of speech are reinforced through conversation, dialogue, debate, role play, listening practice, and other communicative tasks. Students take notes from oral academic discourse including lectures and presentations.

**Pre-requisites:** EASL 048 with a "C" or better, or equivalent.

**EASL 065 - COLLEGE PREPARATION - GRAMMAR**

This course is for advanced English language learners who wish more in-depth grammar focus. Students identify weaknesses in their writing and grammar, and refine their skills through self and peer editing, discussion and practice. There is a focus on common sentence problem areas such as fragments, splices, run-ons and misplaced and dangling modifiers, as well as paragraph and essay development.

**Pre-requisites:** EASL 055 Grammar with a grade of "C" or higher or equivalent skills.

**EASL 066 - COLLEGE PREPARATION - RESEARCH WRITING**

EASL 066: College Preparation: Research Writing is an advanced writing course that focuses on various forms of writing that can be found in the academic and the work world. In addition to formal academic research techniques, this course will also explore practical technical writing skills needed for clear, timely, concise and accurate communication. The writer must focus on the purpose and audience as well as the form, style, and organization. In this class, students will produce a variety of practical and academic forms of writing, including correspondence, summaries, instructions, proposals, reports etc.

**Pre-requisites:** EASL 056A or EASL 056C with a grade of "C" or better, or equivalent.

**EASL 067 - COLLEGE PREPARATION - INTEGRATED STUDIES**

Integrated Studies is an advanced course for students who speak English as an additional language which is designed to help students refine their overall English language skills. It can be considered as an entry level course into Selkirk College programs in conjunction with completion of the Advanced English Language program. The course includes study and discussion of a variety of short stories and articles and a novel. Students develop their ability to comprehend and analyze lengthy complex texts, identify and apply literary elements, including theme, character, and setting, and respond to readings in both written and oral form. The course includes a focus on the writing of paragraphs and research essays and the use of editing skills for improving grammar. Active participation in discussions and presentations is an important part of the course.

**Pre-requisites:** Completion of at least 50% of advanced English language program with a grade of "C" or equivalent skills.

**EASL 068 - COLLEGE PREPARATION - COMMUNITY OUTREACH**

Community Outreach is a course for English language students who have completed Advanced Communications. Students initiate, plan, and facilitate community based projects which involve interaction with native speakers in real life contexts. Students work independently and in teams to prepare, implement, and evaluate projects. Community Outreach is designed to build leadership skills and improve professional speaking, delivery and reporting methods.

**Pre-requisites:** EASL 058 or TREC 159 with a grade of "C" or higher, or equivalent skills.

**EASL 091A - MUSIC AND PRONUNCIATION**

Music and Pronunciation is a multi-level interactive seminar in which students use songs of their choice to identify and practice features of English pronunciation. Students gain fluency, improve intonation and rhythm and increase their ability to produce difficult sounds. In addition, there is the opportunity to expand vocabulary through the many idioms and collocations used in popular songs.

**EASL 091B - ART AND PHOTOGRAPHY**

Art and Photography is a multi-level communications seminar designed to use various forms of art and photography to expand student's English language skills. Using various creative media, students will produce their own art work. Additionally students will visit local galleries, studios and artisans to discuss and share ideas.

**EASL 091C - MOVIES AND DISCUSSIONS**

Movies and Discussions is an interactive communicative seminar which offers students an opportunity to watch international movies chosen by the class. Students practice their speaking and listening skills and increase their vocabulary while introducing, watching, and discussing movies. They also have a chance to write about and share their ideas and opinions.

**EASL 091D - THEATRE**

Theatre is an interactive communicative seminar for students who are interested in improving their English while working with other students in role plays, theatre games, and performances. This seminar helps students to improve pronunciation and non-verbal communication skills and gain confidence working in a team and speaking in public.
EASL 092A - VOLUNTEER INTERNSHIP
Volunteer Internship is an advanced interactive communicative seminar where students can volunteer once a week at a business, service or organization in Castlegar. This experience gives students an opportunity to learn more about the community and use their English in a real setting.

EASL 092B - COMMUNITY ADVENTURES
Community Adventures is an interactive communicative seminar to help students develop their speaking and listening skills while visiting a variety of cultural, educational and service settings in the local community. Assignments and projects are based on field experiences.

EASL 092C - CANADIAN STUDIES
Canadian Studies is a multi-level interactive communicative seminar for students who are interested in learning more about Canada. Students study such topics as the geography, history, culture and politics of Canada. Students are able to learn more about Canada in relation to their home country and culture.

EASL 092D - LEADERSHIP
Leadership is an advanced interactive communicative seminar which offers opportunities for students to learn about and practice leadership skills both individually and as a group. The class works together to discuss, plan and do projects of their choice. Students gain real experience organizing and working as a multicultural team and learn valuable skills for future work situations.

EASL 092E - NEWSPAPER
Newspaper is an advanced interactive communicative seminar which offers an opportunity for students to create and produce a student newspaper/magazine for the term. Students interview people in the college and the community, write and edit articles, collect information about student events, take pictures, design art work, and coordinate the publication of the newspaper. This seminar helps students improve their speaking, listening, writing and computer skills as well as learn to work as a team.

EASL 093A - ACADEMIC PREPARATION
Academic Preparation is an advanced communicative seminar for students who are planning to continue their studies in English and want to improve their academic study skills. Students will work towards improving their listening, note-taking and discussion skills using authentic English and topics of interest.

EASL 093B - SPEAKING PROFESSIONALLY
Speaking Professionally is an advanced interactive communicative seminar which provides opportunities for students enrolled in the Advanced English Language Program to practice professional public speaking skills. The course helps students build confidence in developing and presenting ideas publicly, in responding to questions and comments, and in developing clarity of speech.

EASL 093C - TEACHING AND LEARNING LANGUAGES
Teaching and Learning Languages is an advanced interactive communicative seminar which introduces students to teaching and learning useful words and expressions in different languages, as determined by the members of the class. Students have the opportunity to develop lessons and teach their own language to the class as well as learn to communicate in other languages. Students learn and share various methods and strategies for language teaching and learning as well as learn about the languages and cultures of other students.

EASL 093D - INDEPENDENT PROJECTS AND STUDY SKILLS
Independent Projects is an advanced interactive communicative seminar that provides opportunities for students to design and create their own projects and study opportunities based on their personal interests. Students refine their language skills through individual interviews, project planning and facilitating and team work.

EASL 094A - GLOBAL COOKING
Global Cooking is a multilevel interactive communicative seminar that provides students with opportunities to make and eat food from many different cultures. The students in the class teach other students how to make a favourite dish from their culture. All the students cook and eat together and learn the necessary vocabulary and language skills to share their pleasure in international foods. Students also develop an awareness of other cultures’ customs and learn some practical cooking skills.

EASL 094B - INTERNATIONAL RECREATION
International Recreation is a multilevel interactive communicative seminar that provides students with the opportunity to increase communicative skills as they learn and teach both the rules and the methods of various recreational activities. Students are expected to learn about different sports and also share sports and recreational activities popular in their cultures.

EASL 094C - OUTDOOR RECREATION
Outdoor Recreation is a multilevel interactive communicative seminar aimed at giving students opportunities to develop their speaking and listening skills as they receive instruction in, discuss, and enjoy outdoor activities popular in the Kootenay area. Activities may include, but are not limited to canoeing, hiking, golfing and various winter sports, depending on the season.

EASL 094D - NATURE STUDIES
Nature Studies is a multilevel interactive communicative seminar which teaches students about the natural environment and culture of the Castlegar area. Students study topics such as animals, plants, geography and history. Students learn in the classroom but also have opportunities to go on outdoor field trips.

EASL 095A - PARTNERSHIP
Partnership is an interactive communicative seminar which connects English language learners with other students who are native English speakers for informal meetings. The ESL student and their partner meet once a week for conversation and sharing of cultures and interests. This seminar provides an opportunity to practice English in a one on one situation.

EASL 095B - PRONUNCIATION
Pronunciation is an interactive communicative seminar which helps students use, learn, and practice English idioms, slang and expressions in addition to practicing elements of natural pronunciation such as rhythm, stress, articulation of individual sounds and intonation. Students create dialogues and conversations and share them with the class.

EASL 095C - DEBATES AND DIALOGUES
Debates and Dialogues is an advanced interactive communicative seminar where students read, discuss and debate. Students work on improving their speaking and listening skills while they learn and practice how debates and formal discussions are structured.
EASL 095D - GLOBAL DISCUSSIONS
Global Discussions is an advanced interactive communicative seminar where students have the opportunity to explore and learn about a variety of topics. Students work on building vocabulary and discussion skills as they increase their knowledge and understanding of important issues in the world today. Students also have the opportunity to share their ideas and opinions with other Canadian college classes and/or students.

EASL 095E - BUSINESS IDIOMS
Business Idioms is a basic course in Business English for ESL students who wish to improve their written and oral skills. The course focuses on level-appropriate grammar and introduces frequently used business idioms and vocabulary specific to various "real life" business domains. This seminar will also familiarize students with the finer points of business culture in North America.

TREC 159 - ADVANCED BUSINESS COMMUNICATIONS
This course emphasizes a practical approach to business writing and speaking for advanced students. TREC 159 provides opportunities for students to use business communication tools including reports, memos, business letters, résumés, interview skills, oral presentations and visual aids. Business language strategies are emphasized to give students the skills to become effective cross-cultural communicators. These strategies include clarity of spoken and written English, the use of appropriate vocabulary, and an awareness of cultural variations in business organizations.

Pre-requisites: Completion of one semester of advanced communications with a 'C', or better, or equivalent.

Contacts
SELKIRK INTERNATIONAL
Phone: 250.365.7292 ext 21293
Direct: 250.365.1293
Fax: 250.365.5410
Email: international@selkirk.ca
Course of Studies
Courses should always be chosen in consultation with a Selkirk College counsellor.

Notes:
This program contains all prerequisite courses required for entry into a B.Sc. in pharmacy at UBC and U of A.

Students planning to apply to UBC must achieve a minimum core average of 65% on all attempts at first-year core prerequisites (biology, chemistry, English, and math), as well as a minimum overall average of 65% on the last 30 credits of coursework completed.

Students planning to apply to U of A should choose arts courses for their general electives.

Students who may transfer to other science degrees should strongly consider taking PHYS 102/103 or PHYS 104/105 as electives.

Students are advised to ensure that their course selections will meet the degree requirements of the subsequent institution(s) they plan to attend.

Year 1

**SEMESTER 1**

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<td>Biology I</td>
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<td>ENGLISH</td>
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**SEMESTER 2**

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<td>CHEM 125</td>
<td>Foundations of Chemistry II</td>
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<td>ENGLISH</td>
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<td>MATH 101</td>
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<tr>
<td>ARTS I</td>
<td>First or Second Year Arts Requirement</td>
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**Total 16**

Program Summary
Get the prerequisites you need for your pharmacy degree. Pharmacists are integral members of front line medical profession teams. Masters of the art of professional, courteous client care, pharmacists skillfully dispense vital medication and ensure patients fully understand how to properly use them. This kind, caring profession is a delicate balance of art and science.

Complete your two-year associate of science degree in entry to pharmacy in the beautiful West Kootenay region. Our program will get you started on your way to becoming a successful professional pharmacist and having a fulfilling career in medicine arts.

COURSES INCLUDE
Designed to teach you the basics of pharmacy science, you’ll learn a broad range of science and humanities subjects, including:
- Biology
- Calculus
- Chemistry
- College writing composition
- Literature
- Statistics

LENGTH OF STUDY:
2 Years

ACCREDITATION:
Associate of Science in Entry to Pharmacy and Transfer to BSc

CAMPUS:
Castlegar Campus

Once you successfully complete this associate degree you will have fulfilled the admissions requirements for the entry-to-practice PharmD programs at UBC and the University of Alberta.

Admission Requirements
Admission to the Associate of Science - Entry to Pharmacy program requires the completion of Biology 12, Chemistry 11, and English 12 with a grade of "C" or higher, and Pre-calculus or Principles of Math 12 with a grade of "C+" or higher. Chemistry 12 is STRONGLY recommended.

Program Courses

- **FIRST OR SECOND YEAR ARTS REQUIREMENT**
  Students may take any first- or second-year UAS Arts elective (Humanities or Social Sciences) excluding your major discipline.

BIOL 104 - **BIOLOGY I**
A course designed for those students who require first year biology in their program of study or who wish to go on to further study in biology. The course includes cell biology, biochemistry, and an examination of the processes of life in the plant and animal body. A strong emphasis is placed on the development of critical thinking skills through problem solving, research design, and laboratory analysis.

Pre-requisites: BIOL 12 or equivalent and CHEM 11 or equivalent. Students lacking the stated prerequisites may enrol in the course with written permission of the School Chair; however, they should be aware that they will be required to do additional work. This course is available via Distance Education, but requires attendance at weekly on-site labs.

BIOL 106 - **BIOLOGY II**
Along with BIOL 104 (Biology I), this course provides an overview of the study of living things. Biology 106 presents topics in population, community and
Course of Studies

Courses should always be chosen in consultation with a Selkirk College counsellor.

Notes:

This program contains all prerequisite courses required for entry into a B.Sc. in pharmacy at UBC and U of A.

Students planning to apply to UBC must achieve a minimum core average of 65% on all attempts at first-year core prerequisites (biology, chemistry, English, and math), as well as a minimum overall average of 65% on the last 30 credits of coursework completed.

Students planning to apply to U of A should choose arts courses for their general electives.

Students who may transfer to other science degrees should strongly consider taking PHYS 102/103 or PHYS 104/105 as electives.

Students are advised to ensure that their course selections will meet the degree requirements of the subsequent institution(s) they plan to attend.

Year 2

SEMESTER 3

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<td>BIOL 212 Microbiology</td>
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<td>CHEM 212 Organic Chemistry I</td>
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<td>ARTS I First or Second Year Arts Requirement</td>
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SEMESTER 4

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<td>CHEM 213 Organic Chemistry II</td>
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<td>ARTS I First or Second Year Arts Requirement</td>
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<td>OPEN SCI Science Elective</td>
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<td>On Campus 3</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>15</strong></td>
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</table>

CHEM 212 - ORGANIC CHEMISTRY I

CHEM 212: Organic Chemistry I, explores the relationship between the structures of carbon-containing molecules and their physical and chemical properties. Some topics from first-year general chemistry are reviewed briefly: alkanes, stereoschemistry, alkenes, and nucleophlic substitution and elimination reactions of alkyl halides. The correlation between structure and acidity is investigated, and the chemistry of aldehydes and ketones is examined. Structure-determination techniques, including IR and NMR, are explored. The laboratory work for this course provides practical experiences with separation/purification techniques.
molecular synthesis, and qualitative analytical methods applied to organic compounds.

**Pre-requisites:** CHEM 125 with a grade of "C" or better, or written permission of the Instructor and School Chair.

**CHEM 213 - ORGANIC CHEMISTRY II**
CHEM 213: Organic Chemistry II is a continuation of CHEM 212. The survey of organic families is continued with a study of aldehydes and ketones, carboxylic acid derivatives, aromatics and amines. The chemistry of a variety of compounds of biological interest is also discussed. The laboratory work involves synthesis and organic structure determination.

**Pre-requisites:** CHEM 212 with a grade of "C" or better, or written permission of the Instructor and School Chair.

**- CHEMISTRY REQUIREMENT:**
**CHEM 110 OR CHEM 122**
Students requiring first-year chemistry have a choice of Chemistry 110 or Chemistry 122.
- CHEM 110: Fundamentals of Chemistry
- CHEM 122: General Chemistry I

**- ENGLISH REQUIREMENT:**
**ENGL 110 OR ENGL 112**
Students requiring first-year English have a choice of the English 110/111 sequence and the 112/114 sequence.
- ENGL 110 - College Composition
- The 110/111 sequence is focused on the development of academic writing and research.
- ENGL 112 - Introduction to Poetry and Drama
- The 112/114 sequence is focused on the interpretation of literature.

**- ENGLISH REQUIREMENT:**
**ENGL 111 OR ENGL 114**
Students requiring first-year English have a choice of the English 110/111 or the 112/114 sequence. The 110/111 sequence is focused on the development of academic writing and research.
- ENGL 111 - Introduction to Literature
- The 112/114 sequence is focused on the interpretation of literature.
- ENGL 114 - Introduction to Prose Fiction

**MATH 100 - CALCULUS I**
A course designed to provide students with the background in calculus needed for further studies. This course includes: a review of functions and graphs; limits; the derivative of algebraic, trigonometric, exponential and logarithmic functions; applications of the derivative including related rates, maxima, minima, velocity and acceleration; the definite integral; an introduction to elementary differential equations; and, applications of integration including velocity, acceleration, areas, and growth and decay problems.

**Pre-requisites:** Pre-calculus 12, Principles of MATH 12 or equivalent with a grade of "C+" or better or written permission of the Instructor and School Chair.

**MATH 101 - CALCULUS II**
This course is a sequel to MATH 100 for those students who wish to major in mathematics, sciences or applied sciences. The course includes: antidifferentiation and integration; the definite integral; areas and volumes; transcendental functions; techniques of integration; parametric equations; polar coordinates; indeterminate forms, improper integrals and Taylor's formula; and infinite series.

**Pre-requisites:** MATH 100 or equivalent with a grade of "C" or better or written permission of the Instructor and School Chair.

**- SCIENCE ELECTIVE**
Students may take any first- or second-year UAS Science course. This course is not required to have a lab component.

**- GENERAL UAS ELECTIVE**
A student may take any first-year or higher university transferable course to satisfy this elective. Each course must transfer for three or more credits to at least one of: SFU, UBC (Vancouver or Okanagan), UNBC or UVIC. To learn more about how your courses transfer visit the online BC Transfer Guide or contact a Selkirk counsellor.

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**Contacts**

**UNIVERSITY ARTS & SCIENCES ADMISSIONS**
Admissions Officer (Castlegar)
Phone: 1.888.953.1133 ext 21233
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Email: admissions@selkirk.ca

**UNIVERSITY ARTS & SCIENCES**
Program Contact
Phone: 1.888.953.1133 ext 21205
Direct: 250.365.1205
Email: UAS@selkirk.ca

**TRACY PUNCHARD**
School Chair of UAS; Instructor, English
Phone: 1.888.953.1133 ext 21318
Direct: 250.365.1318
Email: tpunchard@selkirk.ca
Program Summary

In our supportive and creative environment, you'll have unique opportunities to gain a solid foundation in this refined profession. We'll teach you woodworking-operations basics and technological advancements to develop your personal areas of interest and perfect your craft.

This nine-month program prepares students for apprenticeship positions in the cabinet makers (joiners) trade or for careers as fine furniture builders. Students engage in a variety of classroom and shop activities. They learn theoretical principles, concepts, and theories of furniture and cabinet design in the classroom. They apply their knowledge in the shop where they engage in the construction of cabinets and fine furniture.

Graduates of the Fine Woodworking Program at Selkirk College earn credit for Level 1 and Level 2 of the cabinet maker (joiner) trade technical training component of their apprenticeships. Additionally, graduates receive 475 hours advance credit towards the on-the-job component of an apprenticeship.

PRACTICAL SKILLS TRAINING

- Appreciate balanced design
- Consistently strive for originality and quality
- Draft in Computer Automated Design (CAD)
- Exhibit product value and pride
- Photograph your work
- Plan and setup a professional show
- Wood carving (optional and at an additional tuition fee through Continuing Education)

The program is broad in scope and encourages students to strive for quality design, originality, and enhanced workmanship skills, to improve chances of success in the marketplace. Students are responsible to pay for materials used in constructing their projects. Depending on the size and scope of their project this cost could be up to $1000.00.

Admission Requirements

The following admission requirements are specific to the Fine Woodworking Program.

- Graduation from a British Columbia Senior Secondary School or equivalent.
- Foundations & Pre-Calculus 10, or Apprenticeship Workplace 11, or Principles 11, or Applications 11, or Essentials 12, or Selkirk ABE Math 46, with a grade of "C" or better.
- Consideration will be given to mature individuals (19 years or older) who are not Senior Secondary School graduates, provided they have completed or are in the process of obtaining one of the above prerequisites with a "C" grade or better (This course must be completed prior to the program entry date).
- Basic computer are skills highly recommended.

Careers

Graduates of these programs are found throughout North America. They are often self-employed, or may be employed in cabinet or furniture shops.

GLOBAL CAREER POTENTIAL

Your career could take you around the world, finding work in diverse settings and we give you the training and skills you'll need to get there. Plus, you'll receive credit for Level 1 and 2 of your Industry Training Authority (ITA) Cabinet Maker-Joiner Apprenticeship, for career advancement and increased earning potential. Your work may include:

- Architectural and custom woodworking
- Cabinetry
- Carpentry
- Construction
- Furniture design and construction
- Self-employed contractor

Graduates of the Fine Woodworking Program at Selkirk College may exercise a number of career options. Many find employment as apprentices in cabinet shops engaged in architectural or custom woodworking. Some pursue apprenticeships in the carpentry trade. Others opt to pursue careers as designers and builders of fine furniture, either in the employ of others, or as independent contractors.

Program Courses

CRWW 160 - WOODSHOP TOOLS AND TECHNIQUES

This course provides a comprehensive introduction to woodworking tools and equipment by examining the safe and skillful use of both hand and power tools, including their selection, purpose and maintenance. Techniques for small production runs, including jig and fixture design are also examined.

CRWW 161 - JOINERY PRINCIPLES AND PRACTICES

You will study the principles of joinery as applied to furniture and cabinet construction. As this is primarily a practical course, you will experience joint selection, joinery by both hand and machine tool processes, and the organization of the process while engaged in construction of furniture pieces, preferably to your own design.

CRWW 162 - SPECIALIZED TECHNIQUES

The utilization of specialized woodworking techniques enables you to enhance both the design and execution of your product. Wood bending (steam and lamination), curved panels, veneering, turning, carving and inlay work all provide an opportunity to design and create objects that stand apart in the marketplace.

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Course of Studies

<table>
<thead>
<tr>
<th>Course</th>
<th>Name</th>
<th>On Campus</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>CRWW 160</td>
<td>Woodshop Tools and Techniques</td>
<td></td>
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<tr>
<td>CRWW 161</td>
<td>Joinery Principles and Practices</td>
<td></td>
<td>15.4</td>
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<tr>
<td>CRWW 162</td>
<td>Specialized Techniques</td>
<td></td>
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<tr>
<td>CRWW 164</td>
<td>Materials Technology</td>
<td></td>
<td>2</td>
</tr>
<tr>
<td>CRWW 165</td>
<td>Wood Finishing</td>
<td></td>
<td>2</td>
</tr>
<tr>
<td>CRWW 175</td>
<td>Furniture Design</td>
<td></td>
<td>2</td>
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<tr>
<td>CRWW 176</td>
<td>Drafting for Furniture</td>
<td></td>
<td>4</td>
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<tr>
<td>CRWW 179</td>
<td>Kitchen Design and Construction</td>
<td></td>
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<tr>
<td></td>
<td><strong>Total</strong></td>
<td></td>
<td><strong>35.4</strong></td>
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</tbody>
</table>
CRWW 164 - MATERIALS TECHNOLOGY
This in-depth look at wood, and how and why it behaves in the manner it does, provides the necessary background to understand the principles of joinery.

CRWW 165 - WOOD FINISHING
A comprehensive study of the methods and materials used to finish wood. This course includes both a technical explanation of, and practical experience in, the applications of stains and dyes, fillers, penetrating finishes and top coats.

CRWW 175 - FURNITURE DESIGN
An examination of basic design theory provides the foundation for successful furniture design. A review of the history of furniture creates an awareness of the design continuum, while practical experience in sketching, drafting, model-making and mock-up prepares your ideas for construction.

CRWW 176 - DRAFTING FOR FURNITURE
This course is a comprehensive experience in the drafting of furniture. After an introduction to the drafting process the student is expected to produce detailed construction drawings of each of their projects prior to construction. The first project will be drawn using pencil and drafting boards. Students will learn CAD drafting early in the year so they will be able to draft their remaining projects on the computer.

CRWW 179 - KITCHEN DESIGN AND CONSTRUCTION
How one functions within a kitchen, the space requirements and space utilization are discussed. The use of the 32 mm cabinet construction system is examined, with particular emphasis on methods appropriate to the small shop. A set of kitchen cabinets is constructed in this course.

Contacts

TRADES ADMISSIONS
Registration Contact
Phone: 1.888.953.1133 ext 13204
Direct: 250.354.3204
Fax: 250.352.3180
Email: trades@selkirk.ca

INDUSTRY AND TRADES
Program Contact
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Fax: 250.352.3180
Email: trades@selkirk.ca

ROB SCHWARZER
School Chair
Phone: 250.352.6601 ext 13212
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Email: rschwarzer@selkirk.ca
Forest Technology

Located in the beautiful West Kootenays, Selkirk College’s highly regarded Forest Technology program has been providing forest sector employers with skilled graduates for over fifty years. Our program is nationally accredited and upon graduation, students are eligible to enrol to become Registered Forest Technologists with the Association of BC Forest Professionals.

Selkirk College’s Forest Technology program provides an ideal starting point for learners excited by the combined career challenges of working in B.C.’s rugged outdoors and finding modern solutions to current forest management issues. Our primary goal is to provide job-ready graduates to potential employers in both private industry and government.

Our program focuses on the following principles in order to optimize our students’ learning experience:

– Instruction by practicing resource professionals;
– Maximization of outdoor learning opportunities in real forest environments;
– Collaboration with industry professionals to provide exposure to current practices in all aspects of forest management;
– Familiarization with current forest technology used by industry employers; and
– Commitment to student success in a fun and close-knit learning environment.

Graduates will gain proficiency in all of the following in the specific context of British Columbia forestry:

– Forest ecology
– Forest road location
– Harvesting techniques
– Wildlife habitat identification
– Silviculture systems
– Surveying
– Timber cruising
– Hydrology
– Forest health
– Wildfire management
– Digital mapping

### Program Summary

#### Year 1

**Semester 1**

<table>
<thead>
<tr>
<th>Course</th>
<th>Name</th>
<th>Credit</th>
</tr>
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<tbody>
<tr>
<td>ENVR 150</td>
<td>Hydrology I</td>
<td>3</td>
</tr>
<tr>
<td>ENVR 160</td>
<td>Surveying &amp; Field Measurements</td>
<td>4</td>
</tr>
<tr>
<td>ENVR 162</td>
<td>Applied Botany and Ecosystem Classification</td>
<td>3</td>
</tr>
<tr>
<td>ENVR 164</td>
<td>Soil and Earth Sciences</td>
<td>3</td>
</tr>
<tr>
<td>ENVR 190</td>
<td>Computer Applications I</td>
<td>1</td>
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<tr>
<td>MATH 160</td>
<td>Technical Math Review</td>
<td>3</td>
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<tr>
<td>TWC 150</td>
<td>Introduction to Technical Communications I</td>
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**Total 20**

**Semester 2**

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<th>Course</th>
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<tr>
<td>ENVR 154</td>
<td>Maps and Navigation</td>
<td>2</td>
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<tr>
<td>ENVR 158</td>
<td>Introduction to Geomatics</td>
<td>2</td>
</tr>
<tr>
<td>ENVR 163</td>
<td>Terrestrial Ecology and Biology</td>
<td>4</td>
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<tr>
<td>ENVR 170</td>
<td>Fish and Wildlife Ecology</td>
<td>3</td>
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<tr>
<td>MATH 190</td>
<td>Resource Statistics I</td>
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<tr>
<td>TWC 151</td>
<td>Introduction to Technical Writing and Communications II</td>
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<tr>
<td>FOR 278</td>
<td>Forestry Field School</td>
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**Total 19**

**Year 2**

**Semester 3**

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<td>FOR 250</td>
<td>Silviculture I</td>
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<tr>
<td>FOR 260</td>
<td>Applied Forest Hydrology and Engineering</td>
<td>4</td>
</tr>
<tr>
<td>FOR 265</td>
<td>Forest Measurements</td>
<td>3</td>
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<tr>
<td>FOR 271</td>
<td>Applied Ecology and Range Management</td>
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<tr>
<td>FOR 274</td>
<td>Forest Health</td>
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**Total 18**

**Semester 4**

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<th>Course</th>
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<tr>
<td>FOR 280</td>
<td>Applied Research</td>
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<tr>
<td>ENVR 250</td>
<td>Indigenous Peoples of Canada and Environmental Management</td>
<td>3</td>
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<tr>
<td>FOR 200</td>
<td>Field Trip Study</td>
<td>1</td>
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<tr>
<td>FOR 251</td>
<td>Silviculture II</td>
<td>4</td>
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<tr>
<td>FOR 253</td>
<td>Forest Policy and Resource Management</td>
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<tr>
<td>FOR 261</td>
<td>Forest Harvesting</td>
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<tr>
<td>ENVR 291</td>
<td>Computer Applications in Resource Management</td>
<td>2</td>
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**Total 17**
Data management
- Forest policy
- Relationship-building with First Nations communities

CONTINUING EDUCATION:
Selkirk College’s Forest Technology program also provides excellent credit transfer opportunities for students interested in continuing their studies in Selkirk’s degree or advanced diploma in Geographic Information Systems, or in pursuit of a related degree at various other institutions. Students who continue their academic studies after graduation from our program consistently discover that the solid technical and academic foundation obtained during their Selkirk studies provides them with a distinct competitive advantage.

Admission Requirements
School of Environment and Geomatics (SEG) staff are committed to helping students prepare for admission into their chosen program. The Forest Technology Diploma can be completed on a full-time (2 years) or part-time basis. Each term will include courses that are conducted in classrooms, labs and field settings. In addition to meeting entrance requirements for Selkirk College, Forest Technology has the following program requirements:

PRE-REQUISITES
Math: (one of the following)
- Pre-Calculus 11 with a grade of "C+" (67%)
- Foundations of Mathematics 11 with a grade of "C+" (67%)
- or an equivalent course

English:
- English 12 with a grade of "C+" (67%), or
- Three credits of post-secondary English, Humanities or Social Sciences with a grade of "C" (60%) from a recognized institution.

Biology:
- Biology 11, or equivalent science course with a grade of "C+" (67%).

Transfer Credit: For students with previous post-secondary experience, advanced credit may be available for related course work through the Application for Advanced Credit Process.

If you don’t currently have these pre-requisites a variety of options exist to set you up for success in the program. Students can take a combination of preparatory and upgrading courses in a first year which extends the length of the program to three years, but greatly enhances success. Applicants interested in this option should contact student counseling services. College Success, a one-week overview of learning and study skills, during the same week. Please apply to the School of Environment & Geomatics to allow us to suggest the best options for you. In individual cases, related work experience may be considered in the application process at the discretion of the Prior Learning Assessment (PLAR).

NON ACADEMIC REQUIREMENTS
All applicants must be in good health and reasonably good physical condition. A demonstrated interest in, and aptitude for, outdoor work is essential as much of the work is done in the field, often under adverse and arduous weather and topographic conditions. A self-assessment fitness check list is available on request. Computer competency is an important element of success in the program. Prior to starting the program, it is strongly recommended that students have entry level experience with word processor, spreadsheet, and web browsing software. Check out Selkirk College Community Education & Workplace Training computer courses.

INTERNATIONAL STUDENTS
International Students (students who are applying to Selkirk College from locations outside of Canada) should follow the application steps required by Selkirk International.

Careers
By focusing on the program’s learning outcomes, graduates are well prepared to serve in a variety of land management roles that have advancement potential and can lead to higher levels of education and professional designation.

Co-op Education
Environment and Geomatics students have the opportunity to enroll in Co-op Education. This program consists of four-month work terms that allow students to access unique experiential learning. Co-op work terms are administrated as regular course work with both cost and reporting requirements. Benefits include maintenance of full-time student status as well as access to employment and experience unavailable outside of the Co-op Program. For more information contact the Co-op Education Office at (250) 365-1280. Co-op Education is a process of education that formally integrates students’ academic study with periods of related work experience in cooperating employer organizations. Selkirk College’s Co-op Education programs are designed within guidelines established by the Canadian Association for Co-operative Education (CAEFE) and in consultation with federal and provincial government agencies.

Program Courses

ENVR 150 - HYDROLOGY I
Hydrology I is an introductory study of water in our environment, including its properties, the natural processes which affect it, and climate and weather. Students will gain practical experience in the collection and analysis of field and laboratory data using standard techniques and equipment.

ENVR 154 - MAPS AND NAVIGATION
Maps and Navigation focuses on the navigation skills required of technologists working outdoors — to locate oneself, stay “found”, and return safely from the field. The course includes hands-on use of navigation tools in field settings, including map, air photo, compass, altimeter, and Global Positioning Systems (GPS) techniques. Pre-trip planning in a navigation context will also be covered, including developing access plans and route plans, and estimating travel times.

ENVR 158 - INTRODUCTION TO GEOMATICS
Introduction to Geomatics is an introduction to applied mapping and geographic information systems (GIS) theory and applications. The first half of the course will be focused on introducing basic uses of remotely sensed imagery. Several applied mapping technologies will be explored, including Google Earth and Internet Mapping websites. The second half of the semester will be focused on learning basic GIS concepts and applying GIS technologies to environmental, renewable resource management, and planning fields. Emphasis will be placed on how geographic data is represented, collected, managed, analyzed, and displayed using GIS tools. Hands-on experience will be developed with the most widely used and comprehensive desktop GIS software, ESRI’s ArcGIS Desktop.

For more information please contact:

BRENDA SMITH
Selkirk College
301 Frank Beinder Way
Castlegar, BC, V1N 4L3
e-mail: Brenda Smith
Tel: 250.365.1280
Fax: 250.365.1218
ENVR 160 - SURVEYING & FIELD MEASUREMENTS
Surveying & Field Measurements is an introduction to the practical use of common survey instruments and techniques used by environmental technicians. As well, the course will introduce the student to various sampling methods used to collect, assess, classify, and evaluate field data. Emphasis is placed on the proper care and use of basic surveying and measurement tools and the skills involved in collecting and interpreting precise and accurate field data.

ENVR 162 - APPLIED BOTANY AND ECOSYSTEM CLASSIFICATION
This course is an introduction to the principles of Botany and Ecosystem Classification. Botany lectures will focus on plant classification, botanical terms, plant morphology, and plant physiology. Topics include: plant cell structure, plant tissue function and structure, photosynthesis and respiration, transpiration and translocation. Botany labs will focus on learning to identify about 100 native plants commonly found in the West Kootenay Region of B.C., specifically key indicator species. Ecology lectures will focus on ecosystem classification using the Biogeoclimatic Ecosystem Classification System (BEC) of B.C. Other key topics include the study of climatic factors, disturbance and succession, landscapes and stand structure. Ecology labs focus on classifying ecosystems (including soils, site and vegetation) to site series using BEC. Labs are mainly field based.

ENVR 163 - TERRESTRIAL ECOCOLOGY AND BIOLOGY
This course builds upon the concepts from ENVR 162 with further studies of local forest ecosystems. Students will identify key forest structural components and study the role that disturbance (such as fire), environmental gradients, and competition play in defining a species' niche. Participants will also examine the role of primary and secondary growth, nutrient uptake, reproduction, and survival mechanisms for plants. Winter plant identification, ecosystem form and function, and plant adaptations to timberline will also be examined. A practical field based assignment will form a major portion of the term assessment.

ENVR 164 - SOIL AND EARTH SCIENCES
This course will cover the identification of common rocks and minerals, landforms and soils of British Columbia. Learners will be introduced to the study of physical geology and geomorphology in relation to management of the forest environment and landscape. Learners will gain skills and knowledge in rock and mineral identification, description of the physical and chemical qualities of soils, and identification and classification of landforms and terrain. Skills will also be developed with respect to interpretation of geology, landforms and soils for environmental management.

ENVR 170 - FISH AND WILDLIFE ECOLOGY
This course will cover identification and ecology of vertebrate animals, habitat requirements, and habitat disturbance implications. Learners will gain experience in applying guidelines and management strategies to minimize impact of other resource uses on fish and wildlife habitat and species.

ENVR 190 - COMPUTER APPLICATIONS I
This course builds on computer skills students have previously acquired. Applied intermediate to advanced computer applications specific to career opportunities in the environment and geomatics sector are covered including file management, word processing for report writing, spreadsheets and an introduction to databases.

ENVR 250 - INDIGENOUS PEOPLES OF CANADA AND ENVIRONMENTAL MANAGEMENT
The main focus of this course is to enable students working in natural resource management to work effectively with Aboriginal peoples. To achieve this, students will develop a greater awareness of Aboriginal peoples and the cultural diversity that exists within this group of Canadians. The course will examine various topics related to Aboriginal cultures, languages and pre and post contact histories. The course will also examine current issues facing aboriginal groups including legal issues, social conditions, treaty processes, consultation activities, capacity building and protection of traditional lands and rights. This course is offered in the School of Environment and Geomatics curriculum to both Forest Technology and Recreation, Fish and Wildlife Technology Programs. It is anticipated that material presented in ENVR 250 will be integrated throughout other courses in these two programs.

ENVR 291 - COMPUTER APPLICATIONS IN RESOURCE MANAGEMENT
ENVR 291: Computer Applications in Resource Management in British Columbia has become more complex and so the need for clear presentation and communication of ideas, plans, and strategies is more important than ever before. The content of ENVR 290 will address software used for the collection, assembly, display and presentation of environmental content specifically related to Forestry. Performing field data collection, importing data into ArcGIS for analysis and preparing suitable cartographic maps using ArcGIS software will be our focus.

Pre-requisites: Successful completion of: ENVR 160, ENVR 154, ENVR 158 and ENVR 190.

FOR 200 - FIELD TRIP STUDY
In the spring of the fourth semester, second year students will participate in a field trip to study away from the Castlegar Campus. The field trip provides an opportunity for students to see, first-hand, current management practices, ecosystems and resource management issues in other regions of the province. Students will be actively involved in trip planning and will be presented with opportunities to develop communication skills, job finding skills and professionalism. This course is available only to students registered in the second year of the Forestry program.

FOR 250 - SILVICULTURE I
This course is an introduction to Silviculture as it is traditionally viewed; the art and science of establishing and tending forests to meet specific environmental, social, and management objectives. It will prepare the student for immediate employment as a forest technician through instruction in silvicultural theory and the application of silvicultural treatments and the use of sampling to monitor silviculture activities. Ecological, operational, economic, and legislative considerations will be presented. The emphasis of this course is on the silvics of Southern Interior tree species, basic silviculture surveys, site preparation, reforestation (natural and artificial regeneration), field assessments and preparation of logical and feasible silviculture treatment recommendations. Field and office case studies are used throughout.

Pre-requisites: All first year courses.

FOR 251 - SILVICULTURE II
This course prepares students for employment in the forest industry of British Columbia through instruction in silvicultural theory and the application of silvicultural practices. Biological, ecological, operational and economic considerations will be presented. The emphasis of this course is on reforestation, silviculture systems, stand management and crop planning techniques (spacing, commercial thinning, pruning, fertilization), and developing a defensible site plan.

Pre-requisites: Satisfactory Completion (minimum C grade) of FOR 250 Silviculture I.

FOR 253 - FOREST POLICY AND RESOURCE MANAGEMENT
This course explores the policies governing forest management in BC, the rights to harvest timber, the tenure system, appraisals and value of timber, and elements of the Forest and Range Practices Act and other relevant policy, legislation, and regulation. The course will also investigate contract agreements, economic concepts, financial analysis and allowable cut determination and their applications to forest management activities.
FOR 260 - APPLIED FOREST HYDROLOGY AND ENGINEERING
This course covers the planning and establishment of natural resource road access including Total Chance Planning, assessing terrain stability and potential environmental impacts of road construction route reconnaissance, road location, survey, and design techniques and construction costing, road construction methods, bridges and drainage structures, road management strategies, as well as the applicable legislation and permitting requirements. The course also reviews basic forest hydrology principles and the effects that resource road construction and forest harvesting might have on the hydrology of a forested watershed. Additionally, the Skattebo Integrated Project includes elements of project management such as work plan formulation, scheduling, task and duration definition. Aspects of a safe work environment are emphasized during each learning activity.

Pre-requisites: Successful completion of first year ENVR classes.

FOR 271 - APPLIED ECOLOGY AND RANGE MANAGEMENT
This course provides enhanced and new skills related to the successful management of forest ecosystems. The course emphasis is on applied ecological principles, data collection and analysis, and the applied use of the relevant legislation and guidebooks. The course will cover management strategies related to a number of ecological topics, including vegetation complexes, riparian areas, soils, wildlife and fire. By the end of the course, students are expected to be able to apply knowledge gained about managing for these individual resources towards the formation of integrated and comprehensive forest management strategies.

Pre-requisites: Acceptance to SEG Diploma programs.

MATH 190 - RESOURCE STATISTICS I
Math 190 is an introductory applied statistics course for environment and geomatics students. Topics include: types of data, descriptive statistics, probability and random variables, discrete probability distributions, continuous probability distributions, confidence intervals, sample size, and hypothesis testing.

Pre-requisites: MATH 160.

TWC 150 - INTRODUCTION TO TECHNICAL WRITING AND COMMUNICATIONS I
An introduction to general principles in written technical communication and their application to environmental concerns and workplace communication. Classroom sessions focus on developing writing skills, the organization and presentation of data, basic report formats, and job search techniques.

Pre-requisites: Admission to the School of Environment and Geomatics

TWC 151 - INTRODUCTION TO TECHNICAL WRITING AND COMMUNICATIONS II
Introduction to general principles in written scientific communication, research strategies, and oral presentations. Lectures and in-class writing focus upon research strategies, the formal report, technical style, and graphic illustration. Students practice delivery techniques for oral presentations and learn research skills for research report preparation.

Pre-requisites: TWC 150 and program continuation.

Contacts

ADMISSIONS OFFICER
Program Contact
Phone: 1.888.953.1133 ext 21425
Direct: 250.365-1425
Email: seg@selkirk.ca

BRENDAN WILSON
School Chair, Environment and Geomatics
Phone: 250.365.7292 ext 21393
Direct: 250.365.1425
Fax: 250.365.1260
Email: bwilson@selkirk.ca

Email: bwilson@selkirk.ca
Fax: 250.365.1260
Email: bwilson@selkirk.ca

Selkirk College Academic Calendar 2018-19

89  selkirk.ca/programs
General Associate of Arts Degree

Course of Studies

Associate of Arts degree requirements are listed and summarized in the table below:

- Completion of 60 semester credits of courses that have assigned or unassigned university transfer credit at the 100-level or higher at accredited provincial universities
- Completion of at least 15 of these 60 semester credits at Selkirk College
- Completion of at least six semester credits in courses that have assigned or unassigned university transfer credit at the 100-level in English
- Completion of at least 18 credits in humanities and social science courses (other than English) that have assigned or unassigned university transfer credit at the 100- or 200-level; at least six of these credits must be in the humanities, and at least six of these credits must be in the social sciences
- Completion of at least 18 semester credits in arts courses that have assigned or unassigned university transfer credit at the 200-level or higher; these credits must be in at least two different subject areas
- Completion of at least nine credits in science courses, including at least three credits in mathematics, computing science or statistics and at least three credits in a laboratory science course (i.e. any course in the sciences list worth three credits or more and with a lab of at least two hours, but excluding any course in applied science, computing science, math or statistics)
- Completion of an additional nine semester credits or more in courses that have assigned or unassigned university transfer credit at the 100-level or higher

In addition, the student must have achieved an overall grade of "C" or better in each course. Only those courses with university transfer credit at accredited provincial universities will count towards the associate degree.

Note: Always consult with a Selkirk College Counsellor before selecting courses towards an associate degree.

**GENERAL COURSE REQUIREMENTS FOR AN ASSOCIATE OF ARTS DEGREE**

<table>
<thead>
<tr>
<th>Course/Programs</th>
<th>Credits</th>
<th>Conditions</th>
</tr>
</thead>
<tbody>
<tr>
<td>English</td>
<td>6</td>
<td>100-level</td>
</tr>
<tr>
<td>Arts Courses</td>
<td>18</td>
<td>100-level of which six must be humanities, six must be social sciences</td>
</tr>
<tr>
<td>Arts Courses</td>
<td>18</td>
<td>200-level or higher; credits must be in at least two subject areas</td>
</tr>
<tr>
<td>Science Courses</td>
<td>9</td>
<td>100-level or higher; three credits of mathematics, computing science, or statistics; three credits of a laboratory science: requires a minimum two-hour lab and excludes any course in engineering (applied science), computing science, mathematics, or statistics. Three additional science credits at the 100 level or higher</td>
</tr>
<tr>
<td>University Transfers</td>
<td>9</td>
<td>100- or 200-level; arts, sciences or university transferable courses in other program areas</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>60</strong></td>
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</tbody>
</table>

Program Summary

Get a leading edge with a solid education! No matter what career path you choose in life, it always gives you a leading edge to have a solid education on your resume. With today’s job market becoming ever more competitive, employers are looking for viable candidates who show dedication and determination, especially to their academic background. Getting started on your associate or bachelor’s degree today, sets you up for future career—and life—success. If you are not quite sure what you want to major in yet, but know you want to get your bachelor’s degree eventually, the associate of arts general degree is right for you. It gives you a well-rounded blend of arts courses designed to let you see some of the options you will have later, once you decide on a specialty to focus on.

Giving you a full two years of study, the general associate of arts degree fulfills most, if not all, course requirements for third-year entry into BC approved bachelor of arts university degree programs. Mix and match your courses to suit your needs and interests, as long as they fulfill the specified requirements.
Open the doors of possibility and have plenty of career options. The world of science is diverse and expansive, touching almost every industry in today’s global economy, meaning you’ll be at the top of the list for high-demand and well-paying careers. Get freedom of choice with your general associate of science degree. You won’t have to decide on which specialty you’d like right away, but you will open the doors of possibility and have plenty of career options, plus be prepped for further education. Choose this program if you love figuring out how things work and want to give yourself time to decide on the future path that’s right for you.

Designed to give you a balanced variety of courses, you’ll have your pick of biology and chemistry classes, including lab sessions. In addition, your associate degree lets you explore other subject areas like English, mathematics and general arts.

### Admissions Requirements

Admission to an Associate of Science degree program requires the completion of English 12 with a grade of "C" or higher and Pre-calculus 12 or Principles of Math 12 with a grade of "C+" or higher. Other prerequisites depend on the courses chosen to make up the degree, and should be determined with the advice of a Selkirk College counsellor. Students who lack the admission requirements may still gain admission to the program by taking a combination of university and upgrading courses during the first year. This mode of entry may extend the length of their program.

### Contacts

**UNIVERSITY ARTS & SCIENCES ADMISSIONS**
Admissions Officer (Castlegar)
Phone: 1.888.953.1133 ext 21233
Direct: 250.365.1233
Email: admissions@selkirk.ca

**UNIVERSITY ARTS & SCIENCES**
Program Contact
Phone: 1.888.953.1133 ext 21205
Direct: 250.365.1205
Email: UAS@selkirk.ca

**TRACY PUNCHARD**
School Chair of UAS; Instructor, English
Phone: 1.888.953.1133 ext 21318
Direct: 250.365.1318
Email: tpunchard@selkirk.ca
## Course of Studies - Advanced Diploma

<table>
<thead>
<tr>
<th>SEMESTER 1</th>
<th>Name</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>GIS 302</td>
<td>Introduction to GIS - On Campus</td>
<td>On Campus 3</td>
</tr>
<tr>
<td>GIS 303</td>
<td>GIS Analysis and Automation</td>
<td>On Campus 3</td>
</tr>
<tr>
<td>GIS 310</td>
<td>GIS Data Management</td>
<td>On Campus 3</td>
</tr>
<tr>
<td>GIS 316</td>
<td>Introduction to CAD for GIS Professionals</td>
<td>On Campus 3</td>
</tr>
<tr>
<td>GIS 318</td>
<td>Cartography and Geovisualization</td>
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</tr>
<tr>
<td>GIS 323</td>
<td>Introduction to Global Navigation Satellite Systems</td>
<td>On Campus 3</td>
</tr>
<tr>
<td>GIS 329</td>
<td>Principles of Programming</td>
<td>On Campus 3</td>
</tr>
<tr>
<td>GIS 306</td>
<td>Introduction to Remote Sensing</td>
<td>On Campus 3</td>
</tr>
<tr>
<td>GIS 390</td>
<td>Applied Research Methods</td>
<td>On Campus 1</td>
</tr>
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<thead>
<tr>
<th>SEMESTER 2</th>
<th>Name</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>GIS 321</td>
<td>New Media for GIS</td>
<td>On Campus 3</td>
</tr>
<tr>
<td>GIS 307</td>
<td>Remote Sensing in Resource Management</td>
<td>On Campus 3</td>
</tr>
<tr>
<td>GIS 313</td>
<td>Database Systems</td>
<td>On Campus 3</td>
</tr>
<tr>
<td>GIS 314</td>
<td>Spatial Database Design and Development</td>
<td>On Campus 3</td>
</tr>
<tr>
<td>GIS 320</td>
<td>GIS Professional Development</td>
<td>On Campus 1</td>
</tr>
<tr>
<td>GIS 325</td>
<td>Internet Mapping</td>
<td>On Campus 3</td>
</tr>
<tr>
<td>GIS 331</td>
<td>Advanced Topics in GIS</td>
<td>On Campus 3</td>
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<tr>
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<table>
<thead>
<tr>
<th>SEMESTER 3</th>
<th>Name</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>GIS 491</td>
<td>Technical Project</td>
<td>On Campus 3</td>
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</table>

**Program Summary**

Geographic Information Systems (GIS) is a highly valued workplace asset with industries increasingly needing GIS experts. With our Bachelor's Degree, we provide you with top quality GIS training and education to prepare you with essential skills to succeed in today's ever-changing Geomatics industry. Our GIS courses are also complemented by our Selkirk Geospatial Research Centre (SGRC), giving you opportunities to use and understand GIS in current real-world situations. With unmatched flexibility, you can enter and exit our program at a variety of points in your academic career.

**GET PROFESSIONAL TRAINING**

Within our state-of-the-art facilities, you'll get powerful, progressive hands-on experience and classroom instruction in subjects like:
- GIS applications and automation
- Remote sensing
- Internet mapping
- Database development and management
- Customized application programming
- Global positioning systems (GPS)
- 3D visualizations
- Data management techniques
- Open source, open data, and related software applications
- Drone data collection and utilization

**LENGTH OF STUDY:**

1-4 Years

**ACCREDITATION:**

Advanced Diploma and/or Bachelor's Degree

**CAMPUS:**

Castlegar Campus

You'll get essential training, individual access to an advanced workstation, and exposure to projects in our Selkirk Geospatial Research Centre (SGRC), so you'll excel in the classroom, labs, and wherever you go after school.

**GIS COMPLEMENTS ANY CAREER**

Flexible and adaptable, GIS can be used in a variety of different scenarios, to make evidence-based decisions, understand trends and analyze data, effectively communicate a message and visually tell a story. You can choose to apply your knowledge to any profession or become a highly-skilled GIS professional. It can be used as a tool within almost every industry, including:
- Business
- Engineering
- Urban and Rural planning
- Climate research
- Government administration
- Health and medical research
- Law enforcement
- Wildlife conservation
- Resource development and land management
- Transportation
- News and Entertainment support

**GIS PATHWAYS**

Typical applicants for the diploma or degree enter with a minimum 60 credit pre-requisite diploma, associate degree, or degree in a related discipline such as health care, geography, business, environmental, computer, or social science. This allows direct entry into the Advanced Diploma in GIS (ADGIS) 12 month program. The ADGIS diploma forms the basis of 300 level courses required as part of the degree.

To complete the Bachelor's degree in GIS applicants need to fulfill the following:
- Pre-requisite 60 credit in a related discipline
- Minimum of 56 credits residency are required at Selkirk College in semesters 1-5. This generally includes the ADGIS 300 and 400 level courses,
- An additional 15 credits are required from relevant subject areas to complete the degree. These are selected with consultation with the School Chair.
### Year 1 - Bachelor’s Degree

#### SEMESTER 1

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>GIS 302</td>
<td>Introduction to GIS - Online</td>
<td>Online 3</td>
</tr>
<tr>
<td>GIS 303</td>
<td>GIS Analysis and Automation</td>
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<tr>
<td>GIS 310</td>
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<td>Introduction to Remote Sensing</td>
<td>On Campus 3</td>
</tr>
<tr>
<td>GIS 307</td>
<td>Remote Sensing in Resource Management</td>
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<tbody>
<tr>
<td>GIS 491</td>
<td>Technical Project</td>
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</tr>
</tbody>
</table>

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- Completion the thesis completion course GIS 492. This course outlines the pathways to completing the thesis requirements, reporting requirements, and faculty review schedules.
- Applicants that have pre-requisite credentials with greater than 60 credits may apply for advanced credit to satisfy the elective stream course requirements.

### Admission Requirements

#### ACADEMIC
- The minimum requirement for entry into the ADGIS, or year 3 of the BGIS program is successful completion of 60 credits from a recognized post secondary institution with an average GPA of at least 2.33. Successful completion of an introductory statistics course is required for students planning to complete the BGIS.
- Minimum entry is also possible with equivalent education or work experience such as a background doing research or using the software programs described below.
- Demonstrated competency in computer technology, including, spreadsheet use, word processing, computer graphics and presentations is required. In addition, some proficiency with GIS software applications is recommended. Demonstrated competency includes work experience, or evidence of successful completion of computer related course work at the Community Education, or post-secondary level. Applicants without GIS software experience may want to complete a basic introductory course prior to program admission. International students will be expected to provide documentation of English proficiency (refer to the college calendar for requirements).
- Applicants may be required to complete modules in mathematics, writing and computer technology skills if knowledge gaps in one or more of these areas are identified by the School Chair.

#### GENERAL
- All applicants must submit two academic or professional references on the GIS Reference Form. Both references must indicate a favourable chance of applicant success in the program.
- All applicants must complete a brief letter of intent of 500 words or less that states their background and personal interest in the program. Applicants should highlight experience in GIS and/or computer skills in their letter.

Specific requirements for students without a formal credential from an accredited post-secondary institution
- An applicant with reasonable potential for success on the basis of work experience or other criteria may be admitted, notwithstanding some deficiency in prior formal education.
- Applicants with no accredited post-secondary credential may require academic upgrading. They are urged to apply for the program at least one year in advance.

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### Co-op Education

GIS students have the opportunity to enroll in Co-op Education. This program consists of four-month work terms that allow students to access unique experiential learning. Co-op work terms are administrated as regular course work with both cost and reporting requirements. Benefits include maintenance of full-time student status as well as access to employment and experience unavailable outside of the Co-op Program. For more information, contact the Co-op Education Office at (250) 365-1280.

Co-op Education is a process of education that formally integrates student's academic study with periods of related work experience in cooperating employer organizations. Selkirk College's Co-op Education Programs are designed within guidelines established by the Canadian Association for Cooperative Education (CAFCE) and in consultation with federal and provincial government agencies.
Program Courses

ELECTIVE 018 - GIS-UAS ELECTIVE
The student must pick an elective of their choice with approval from their school chair.

GIS 302 - INTRODUCTION TO GIS - ON CAMPUS
GIS 302: Introduction to GIS is an introduction to GIS theory and application. Emphasis will be placed on understanding how geospatial features are represented and captured as data and how these data can be managed, analyzed and presented using state-of-the-art GIS tools. Hands-on expertise will be developed with ESRI’s ArcGIS desktop software. This material is continued in GIS 303. **Please note: GIS 302 is offered in-classroom during the Semester 1, and is available online during Semester 3. This course or equivalent credit is required to continue in the ADGIS program.

Pre-requisites: Admission to ADGIS program.

GIS 302 - INTRODUCTION TO GIS - ONLINE
GIS 302: Introduction to GIS is an introduction to GIS theory and application. Emphasis will be placed on understanding how geospatial features are represented and captured as data and how these data can be managed, analyzed and presented using state-of-the-art GIS tools. Hands-on expertise will be developed with ESRI’s ArcGIS desktop software. This material is continued in GIS 303. **Please note: GIS 302 is offered in-classroom during the Semester 1, and is available online during Semester 3. This course or equivalent credit is required to continue in the ADGIS program.

Pre-requisites: Admission to ADGIS program.

GIS 303 - GIS ANALYSIS AND AUTOMATION
GIS Analysis and Automation will build upon the fundamentals of GIS theory by examining geodata models, data management and metadata, cartography, advanced analysis, 3D modeling, batch scripting, and accessing, importing, and translating data. The lab portion of this course will focus on the use of ArcGIS and its extensions for vector and raster analysis, Model Builder for analysis workflow control, and Python scripting for automation.

Pre-requisites: Successful completion of GIS 302 or equivalent.

GIS 306 - INTRODUCTION TO REMOTE SENSING
This course will integrate both lecture and lab time to cover the foundations of remote sensing and engage in specific applications such as image classification and multi-spectral analysis.

Pre-requisites: Admission to ADGIS program.

GIS 307 - REMOTE SENSING IN RESOURCE MANAGEMENT
Building upon the skills introduced in Introduction to Remote Sensing 1, this course will cover topics in the biophysical, geophysical, and human activity applications of remote sensing as well as change detection, object-oriented analysis, and active and passive imaging. Lectures will be integrated with labs emphasizing practical experience in remote sensing software applications using PCI Geomatica and Definiens. This course consists, in part, of an independent project designed and conducted by groups of students to foster a team approach in executing a remote sensing project. Each group will identify a project to be approved by the instructor during the first week of the class. Students are expected to work as a team to complete their chosen project. The teams will periodically discuss project progress and demonstrate provisional results to the instructor.

GIS 310 - GIS DATA MANAGEMENT
Over the last few decades, geospatial technologies have evolved and infiltrated into an exponential number of organizations and people’s lives to the point where they are ubiquitous. Along with this great expansion of use comes an even greater need to access the right data and to manage and utilize it appropriately for each unique project. This course is an introduction to the fundamentals of dealing with spatial data and data management principles. We will explore key topics related to working with spatial data including data discovery, data dissemination and data use. Along with these topics comes the need to discuss ethics of data use and data use guidelines, data formats, standards and translation, metadata, as well as general data management and maintenance principles.

Pre-requisites: Admission to ADGIS Program.
GIS 313 - DATABASE SYSTEMS
As an integral part of GIS, the associated relational database system is used for query and analysis operations that aid in solving spatial problems. This introduction to relational database systems includes topics of: database models, structured query language (SQL), database design, data definition, data dictionaries and linking databases.

GIS 314 - SPATIAL DATABASE DESIGN AND DEVELOPMENT
The purpose of this course is to introduce both conceptual and practical aspects of designing and developing first, a relational database, and second, a geodatabase. The course will provide an overview of common foundational design methodologies for both a relational database and a geodatabase. Included in this overview, the course will cover database design and implementation using Access 2007, Oracle and ArcSDE.

Pre-requisites: GIS 373

GIS 316 - INTRODUCTION TO CAD FOR GIS PROFESSIONALS
This course provides an introduction to Autodesk's computer-assisted design and drafting software for GIS students. Students will learn the fundamentals of the drafting environment, including setting up their workspace, utilizing common tools, creating and modifying entities and text, and crafting print layouts. Time permitting, AutoCad Map 3D will be explored as well as related and relevant mobile tools. This course will frequently touch upon the differences and similarities of CAD and GIS as well as when and how GIS professionals may use CAD in their career and how transitions between the two environments may occur. Students will work through a practical project which requires movement of data between CAD and GIS environments and associated sound procedures required for standardized and good data quality. By the end of the course, students should gain appreciation of the complementary technology that CAD offers alongside GIS.

Pre-requisites: Admission to ADGIS Program.

GIS 318 - CARTOGRAPHY AND GEOVISUALIZATION
Cartography is the art and science of map making and map use. Preparation of high quality maps that readily reveal land management, planning, environmental or other concerns is critical to ensure that important messages are conveyed in an easily interpretable fashion. This course introduces the concepts and methods of cartographic communication, design, and geovisualization. Mapping fundamentals will address subjects such as coordinate systems, projections, datums, cartographic generalization, map types, and map design considerations. Virtual cartography and other topical methods of conveying geoinformation, such as computer atlases, web mapping, and 3D-4D visualization will be explored. All cartographic principles and practices will be examined in relationship to GIS and other geospatial technologies.

Pre-requisites: Admission to ADGIS Program.

GIS 320 - GIS PROFESSIONAL DEVELOPMENT
GIS 320: GIS Professional Development. Knowledge of current and relevant professional development in GIS is essential for new graduates and experienced practitioners to achieve and maintain success in the continually changing GIS field. During this seminar course we will invite local GIS industry expert guest speakers to learn how they utilize GIS and how their organization employs GIS. We will also cover designation upon graduation, developing a professional development plan, and identify various GIS organizations.

Pre-requisites: Successful completion of GIS 302, 303, 310, and 318.

GIS 321 - NEW MEDIA FOR GIS
A venue to showcase your work or business is important, no matter what your profession. This New Media course consists of a series of workshops designed to build skills using some popular New media industry tools, including Adobe Photoshop, Adobe Illustrator, CamStudio, and an Open Source CMS; Wordpress. In addition to creating new media products, we will also explore social media tools and their benefits. Learning these tools will provide you with a strong foundation from which you can build your own website, hosting your own interesting media outputs to showcase your work.

GIS 322 - INTRODUCTION TO GLOBAL NAVIGATION SATELLITE SYSTEMS
This course will introduce the fundamental concepts of Global Navigation Satellite Systems with specific emphasis on Global Positioning System (GPS) and the applied technologies for GPS data collection and GIS integration. Through interactive instruction and hands-on course exercises, students will work with a variety of GPS tools and field collection techniques to learn how to create, edit, update and manage geographic information. Emphasis areas will include familiarity with GPS receivers, GPS processing software, data collection standards and cartography.

Pre-requisites: Admission to ADGIS Program.

GIS 325 - INTERNET MAPPING
This course investigates the full range of Internet and intranet mapping, including static maps, online data, and web map (image) and feature services. Most of the emphasis of the course will be on the use of ESRI's ArcGIS Server software to serve maps over the Internet. Free mass media applications Google Earth and Google Map applications will be introduced. Web map OpenGIS Consortium standards and freeware server and viewer software will be discussed. The course curriculum will be delivered using lectures and hands-on class exercises. Students will author, administer, design and manage interactive Web Mapping projects through a number of lab assignments, and through a term project. The term project will be the development of a site which will be served through the campus intranet and/or through the SGRC public server. The course requires prior knowledge of GIS theory, BC datasets, and ArcGIS software which students have previously acquired in ADGIS courses GIS 302, 303, 310 and 318.

Pre-requisites: GIS 302 or permission of ADGIS School Chair.

GIS 329 - PRINCIPLES OF PROGRAMMING
Principles of Programming for GIS assumes no prior programming knowledge. Students will learn how to set and use variables, write and import modules, and use selection and repetition to control program flow as implemented in the Python language. At a more advanced level, students will learn to write programs that embed functions and object-oriented programming (OOP) concepts such as the use of objects, properties, and methods. Topics of scripting in Python and the usage of ESRI's ArcPy module for the automation of geoprocessing and mapping tasks will be introduced.

Pre-requisites: GIS 322 or permission of ADGIS Programming.

GIS 331 - ADVANCED TOPICS IN GIS
GIS and other geomatics technologies have become essential for decision support in the private and public sectors. Decision support refers to the tools and information provided by/to people during all aspects of their decision-making processes. GIS as a decision support system involves the application of spatially referenced data in a problem-solving situation (5) with the integration of data management, analysis techniques, and visual representation. GIS as a decision support system has matured sufficiently to handle such complex environmental, social, economic, and urban problems and is sometimes termed a spatial decision support system (SDSS). This course will focus on the application of GIS within three areas: Municipal Operations (Planning), Health and Medicine, and Emergency Management.

GIS 390 - APPLIED RESEARCH METHODS
Applied Research Methods involves the design and planning of a project idea from initial concept to anticipated final outputs. Topics include an overview of the steps necessary to successfully integrate GIS into the project decision-making process. Specific skills will be developed in project scoping and planning.
research proposal development, reference material management, and project presentation methods, including oral, poster, and written project documents. This course is a prerequisite for Co-op 301, GIS 491, and GIS 492.

Pre-requisites: Successful completion of all Fall semester GIS 300 level courses.

GIS 427 - PROJECT MANAGEMENT
GIS project management will focus on skills pertaining to issues surrounding the management of GIS projects from start to finish. Emphasis areas will include description of the project work environment, organizational skills and tools, deliverable oriented performance appraisals, leadership and team orientation. In addition to these emphasis areas, supporting information covering proposal writing, costing, budgeting, meeting preparation, time management and communication skills will be addressed.

GIS 435 - STATISTICS AND SPATIAL DATA MANAGEMENT
Spatial statistics is a two part course that starts with a review of essential statistical techniques and secondly focuses on statistical approaches used in spatial analyses. Emphasis will be placed on integrating practical examples into course exercises and projects. Basic statistical concepts of exploring data, probability distributions, hypothesis testing, one sample, two sample tests, regression, and model building will be addressed using real data and a variety of computer software. Students explore geostatistical functions such as interpolation, point pattern analysis, kernel density estimation, kriging and trend surface analysis in the second part of the course. A research project that includes spatial analyses is completed as part of the course.

GIS 437 - EMERGING TRENDS IN GIS
As the vast field of Geomatics and specifically GIS changes and evolves on the technical level, new ways to do things are continually being introduced. To stay abreast of these important changes, Emerging Trends in GIS will focus on exposing learners to practice a variety of current, high-level and technical topics with a focus on five main areas: ArcGIS Runtime and customizing ArcGIS Desktop using Add-ins, Open Source GIS, GIS in the Cloud, mobile applications, and Augmented Reality. In addition, learners will be exposed to integrating ArcGIS functionality within Microsoft Office products, gaming, the incorporation of time (4D) and a general reliance on Location Based Services. Topics may change as industry demands.

GIS 491 - TECHNICAL PROJECT
Technical Project is the implementation of a project as outlined and defined in Project Development. Implementation will involve building the database, conducting analysis with a variety of geoprocessing tools and producing final products. This course provides an opportunity for students to integrate their knowledge of CAD, GIS, remote sensing and databases to solve a specific problem.

GIS 492 - BGIS THESIS
Bachelor of Geographic Information Systems Thesis involves the design and planning of an independent research project. Tasks include a literature review of the background information, experimental design, data acquisition and management, analysis, and technical reporting (written, visual, and oral). Students will have the opportunity to apply geospatial technology theory and skills to a real world project with an experienced supervisor. Course deliverables will include a project proposal, a proposal poster presentation, four progress reports, a completed geospatial product, a final thesis document, and a thesis defense seminar. This course is normally started in the fall with approval of the School Chair.

Pre-requisites: Successful completion of GIS 390 and Co-op 301 (or 491 as an alternate to Co-op 301).

Contacts

ADMISSIONS OFFICER
Program Contact
Phone: 1.888.953.1133 ext 21425
Direct: 250.365.1425
Email: seg@selkirk.ca

BRENDAN WILSON
School Chair, Environment and Geomatics
Phone: 250.365.7292 ext 21393
Direct: 250.365.1393
Fax: 250.365.1260
Email: bwilson@selkirk.ca
Admission Requirements

Admission to the program requires the completion of English 12 with a grade of "C" or better or written permission of the Instructor and School Chair. Other prerequisites depend on the electives chosen to complete the program and should be determined with the advice of a Selkirk College councilor.

If you are a student who lacks the admission requirements, you may still gain entry to the program by taking a combination of upgrading and university courses in your first year. This may extend the length of your program.

Program Courses

GEOG 130 - INTRODUCTION TO PHYSICAL GEOGRAPHY (LAB SCIENCE)

GEOG 130: Introduction to Physical Geography is a study of the natural processes which occur at or near Earth's surface in the biosphere, hydrosphere, atmosphere and lithosphere. Emphasis is placed on our local and regional physical geography as we examine: weather, climate, ocean currents, climate change; biogeography, soils, hydrology, and the development of slopes and fluvial landforms. An important component of the course is the integrated aspect of these natural processes and the influence of human activities on our landscapes. Throughout the course students will develop skills reading and interpreting data from maps, remotely sensed images, tables, graphs and text. Students will use this information to recognize patterns and solve problems. Students will practice making field observations and taking field notes.

Pre-requisites: Pre-calculus 11, Foundations 11, Principles of Math 11 or equivalent with a grade of "C" or better or written permission of the Instructor and School Chair.

GEOG 140 - INTRODUCTION TO CULTURAL GEOGRAPHY

GEOG 140: Introduction to Cultural Geography studies the relationships between culture, space, place, and the environment. A wide variety of cultures, their landscapes, and the changes they are undergoing will be examined through a geographic lens. Through Cultural Geography we will begin to understand cultural differences and open up new possibilities for solving our own problems as well as for viewing the rest of the world in less judgmental terms.

Pre-requisites: ENGL 12 with a grade of "C" or better or written permission of the Instructor and School Chair.

GEOG 136 - GEOGRAPHY OF BRITISH COLUMBIA

British Columbia is one of the most diverse and richly endowed provinces in Canada, both in terms of its natural resources and its people. This introductory course will cover the physical geography (physiographic regions, geomorphology, climatology, and biogeography), resource issues (natural resources, industry, and conservation) and cultural geography (First Nations, ethnic diversity, rural and urban communities) of British Columbia. The course includes numerous field trips and hands on activities.

Pre-requisites: ENGL 12 with a grade of "C" or better or written permission of the Instructor and School Chair.

Contacts

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UNIVERSITY ARTS & SCIENCES
Program Contact
Phone: 1.888.953.1133 ext 21205
Direct: 250.365.1205
Email: UAS@selkirk.ca

TRACY PUNCHARD
School Chair of UAS; Instructor, English
Phone: 1.888.953.1133 ext 21318
Direct: 250.365.1318
Email: tpunchard@selkirk.ca

Program Summary

Selkirk College offers several undergraduate courses in Geography that transfer as credits towards a degree in Geography at other institutions.

WHO SHOULD STUDY GEOGRAPHY?

Students who are curious about the world around them and who enjoy being outdoors are natural geographers. Geography students study the spatial relationships between natural and built environments and culture. Studying geography is a hands-on experience, and the learning is applicable to everyday life whether is observing how landscapes are changing or seeking to understanding cultural differences. Geography is a "must take" for students looking to integrate their life experiences into their educational pursuits.

GEOGRAPHY COURSE OPTIONS

If you need a science credit for another program or degree, GEOG 232 - Geomorphology (Lab Science).

Many students seeking to work internationally or work with people from around the world such as Nursing students and Peace and Justice Studies students enjoy GEOG 140 - Cultural Geography.

If you aspire to work as a teacher, GIS technician or planner in British Columbia, understanding the GEOG 136 - Geography of British Columbia is a great asset.

PROGRAM OUTCOMES

A geography degree will provide you with the knowledge and skills you need to begin a variety of rewarding careers. Geographers work as urban planners, GIS technicians and analysts, disaster preparedness planners, teachers, environmental scientists, remote sensing analysts, transportation planners, demographers, hydrologists and in a variety of other areas.

ENGL 12 with a grade of "C" or better or written permission of the Instructor and School Chair.

Other prerequisites depend on the electives chosen to complete the program and should be determined with the advice of a Selkirk College councilor.
Program Summary

Selkirk College offers a great start to an undergraduate degree in geology.

After completing your first year at Selkirk, you can go on to most universities and continue into the second year of a geology degree program. If science isn’t your passion, but you need science credit for another program or degree, geology is a great option for students coming from a wide variety of backgrounds. Geology provides an integrated perspective because it is a synthesis of chemistry, physics, geography, biology and mathematics.

WHO SHOULD STUDY GEOLOGY?

Students who enjoy the outdoors and would like to gain an understanding of the processes that create the landscapes around us will be enriched by studying geology. Some students study geology in order to access a career in geology, whereas others choose to include geology as a part of their studies in another field or as a science elective. Many students wishing to be teachers see the value in studying geology as it is an exciting and tangible science that can be shared with students in elementary and high school.

PROGRAM OUTCOMES

By taking GEOL 142 along with first year physics, chemistry, math and English, you will be well prepared to enter the second year of a geology program at most degree granting institutions. A geology degree will provide you with the knowledge and skills you need to begin an exciting career in the earth sciences. Along with a comprehensive understanding of geology, at the end of your degree you will also have experience in research, data acquisition and analysis, critical thinking, technical report writing and field work.

Program Courses

GEOL 132 - INTRODUCTION TO PHYSICAL GEOLOGY

Earth’s origin, composition, structure and natural resources. Global and local examples of plate tectonics as the driving force for volcanism, mountain building and earthquakes. Imaging Earth’s interior and exploring its dynamic interaction with the surface. Introduction to rock and mineral identification. Surficial processes such as weathering, erosion and mass wasting and their relationship to the rock cycle.

Pre-requisites: English 12 with a grade of “C” or better or written permission of the Instructor and School Chair.

GEOL 142 - INTRODUCTION TO HISTORICAL GEOLOGY


Pre-requisites: GEOL 132 with a grade of “C” or better or written permission of the Instructor and School Chair.

Contacts

UNIVERSITY ARTS & SCIENCES ADMISSIONS
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TRACY PUNCHARD
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Program Summary
The largest growing health cohort is the geriatric population. By 2030, 25% of Canadians will be over 65; 12% will be over 85 years of age. 75% of nursing medical time will be spent with older adults by 2020. All health professionals (Nursing, Rehab, Social Work and Human Services) who work with aging adults need specialized knowledge and training to effectively educate, assess and care for older people. They require tools and skills to meet the complex physical, social, environmental, cognitive and spiritual needs of the elderly. Health professionals need the ability to analyze trends and challenges in the field of Geriatrics, and the skills to work with multiple disciplines to proactively respond to these.

SCOPE OF PROGRAM
Following an overview of the emerging field of Geriatric studies, participants will consider the elements that contribute to healthy aging and analyze factors that deter or undermine wellness. The course modules will help each student develop a conceptual framework for geriatric assessment in the spheres of psychosocial, physiologic and mental health. A choice of several electives will allow each person to enrich their personal educational needs.

GENERAL LEARNING OUTCOMES
- Interpret basic geriatric trends and issues
- Accumulate and test a wide variety of health assessment tools
- Be equipped to provide leadership in team settings
- Demonstrate critical, innovative thinking in problem solving
- Illustrate how to educate towards wellness
- Develop advocacy skills at relational and policymaking levels

PROGRAM DESIGN
This versatile Diploma Program will appeal to registered nurses, licensed practical nurses, registered psychiatric nurses, physical therapists or occupational therapists, social workers or human services diploma professionals working in any care venues who seek specialization in gerontological care and who desire to take elective courses of personal interest in gerontology. Some courses may also be credited as electives in other university programs.

Distance Education allows professionals the flexibility to immerse themselves in a dynamic specialty while pursuing other life and career goals. Self-paced study allows each participant to adjust their education to their lifestyle and learning needs.

Variety and choice within course assignments encourages the student to pursue topics of personal interest. Online interaction with other health professionals enhances learning and application of course content, and allows professionals to appreciate varied scopes of geriatric practice.

Careers
FIND REWARDING CAREERS
- Acute and residential care (all levels)
- Community Care (home care and case management)
- Mental health
- Health promotion agencies
- Clinics and primary health care settings
- Research and administration
- Small health care business owners

Graduates will have the ability to analyse trends and challenges in the field of Geriatrics, and the tools and skills to meet the complex physical, social, environmental, cognitive and spiritual needs of the elderly. Facility care (all levels), acute care, community nursing (home care and case management), mental health, health promotion agencies, clinics and primary health care settings are all potential areas of employment for nurses with specialized skills and knowledge in gerontology.

Admission Requirements
Completion of a health care provider credential (e.g. LPN, BSN, BSW, etc.)

Course of Studies

<table>
<thead>
<tr>
<th>Course</th>
<th>Name</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>GERO 200</td>
<td>Contemporary Issues in Gerontology</td>
<td>Online 3</td>
</tr>
<tr>
<td>IPHE 400</td>
<td>Interprofessional Care of the Older Adult</td>
<td>Online 3</td>
</tr>
<tr>
<td>IPHE 402</td>
<td>Physiologic Functioning in the Aged</td>
<td>Online 3</td>
</tr>
<tr>
<td>IPHE 501</td>
<td>Psychosocial Issues in Aging</td>
<td>Online 3</td>
</tr>
<tr>
<td>IPHE 503</td>
<td>Delirium, Dementia and Depression</td>
<td>Online 3</td>
</tr>
<tr>
<td>IPHE 504</td>
<td>Social and Environmental Contexts Influencing Aging</td>
<td>Online 3</td>
</tr>
<tr>
<td>IPHE 505</td>
<td>Maximizing Physical Function in Aging</td>
<td>Online 3</td>
</tr>
</tbody>
</table>

Total 18

ELECTIVES

<table>
<thead>
<tr>
<th>Course</th>
<th>Name</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>IPHE 401</td>
<td>Spirituality and Aging</td>
<td>Online 2</td>
</tr>
<tr>
<td>IPHE 410</td>
<td>Medication Use and Abuse</td>
<td>Online 2</td>
</tr>
<tr>
<td>IPHE 512</td>
<td>Mental Health, Addictions and Wellness in Later Years</td>
<td>Online 2</td>
</tr>
<tr>
<td>IPHE 513</td>
<td>End-of-Life Care and Palliation</td>
<td>Online 2</td>
</tr>
</tbody>
</table>

Total 8

LENGTH OF STUDY: 2 Years, Part-Time

ACCREDITATION: Advanced Diploma

CAMPUS: Online
Application Information

- Fill out the application form.
- You will receive a conditional acceptance letter from the Registrar's Office at Selkirk College with an assigned student number.
- Submit a copy of transcripts or certificate from the post-secondary institution where your health care provider credential was obtained. Mail, email or fax to:

  Selkirk College Admissions
  301 Frank Beinder Way
  Castlegar BC V1N 4L3
  FAX: 250-365-3929

- When required documents are received and reviewed, you will receive a final acceptance letter for the next available program intake and instructions for registration and associated course payment.

Program Courses

IPHE 400 - INTERPROFESSIONAL CARE OF THE OLDER ADULT
This course will detail the unique roles and functions of geriatric care by exploring historical underpinnings, societal needs, and current issues. Two conceptual models for care of acutely ill, chronically ill or frail elders will provide groundwork for use of assessment tools and critical analysis. A focus on health promotion and wellness in later life will guide and direct leadership in the care of older adults. Web, electronic and journal resources that support nursing practice will be identified.

Pre-requisites: GER0 200 is preferable. Registered Nurses, Physiotherapists, Occupational Therapists, Social Workers, Human Services Diploma graduates.

IPHE 401 - SPIRITUALITY AND AGING
As the physical body ages, it declines and deteriorates. In contrast, the Human Spirit continues to develop and mature until the end of life. This course examines the importance of Spirituality in aging, and its effects on health, wellness and achievement of meaning in life. Current research and tools to assess spiritual needs will be examined. Roles and opportunities for caregivers to promote the spirituality of aging persons will be explored.

Pre-requisites: Recommended for all interested professionals

IPHE 402 - PHYSIOLOGIC FUNCTIONING IN THE AGED
This course focuses on the normal changes of aging in all body systems. Select chronic diseases or conditions and their treatment modalities will be reviewed. Using Carol Miller’s (2009) Model for Promoting Wellness in Older Adults, an exploration of potential risk factors, iatrogenic complications, and functional challenges will lead the professional caregiver to critically think about how to enhance health function. The compounding effect of acute illness on chronic health problems will also be examined.

Pre-requisites: GER0 200 is preferable. Registered Nurses, Physiotherapists, Occupational Therapists, Social Workers, Human Services Diploma graduates.

IPHE 410 - MEDICATION USE AND ABUSE
Most aging people use medication (prescription or over-the-counter) to treat a variety of chronic or symptomatic problems. This course seeks to define the professionals’ role in medication management with aging clients. An understanding of the pharmacokinetics and pharmacodynamics related to the aging body will assist the gerontological caregiver in understanding drug reactions. Reasons for drug misuse and abuse will be explored, and principles and strategies developed to improve drug regime compliance. Tools to assist with medication profile analysis will be presented.

Pre-requisites: Recommended for Nurses or other interested professionals

IPHE 501 - PSYCHOSOCIAL ISSUES IN AGING
As people age, cognitive and affective function can be impacted by life events, role change, personal choice and behaviour, acute and chronic disease, or environmental stressors. With a view to helping the older individual attain their optimal level of wellness, this course will explore those psychosocial issues through the lens of two theories: Maslow’s Hierarchy of Needs and Successful Aging. Readings and course dialogue will help gerontological professionals develop strategies to assess coping ability, identify risk factors that undermine independence and well-being, and promote psychosocial health.

Pre-requisites: GER0 200 is preferable. Registered Nurses, Physiotherapists, Occupational Therapists, Social Workers, Human Services Diploma graduates.

IPHE 503 - DELIRIUM, DEMENTIA AND DEPRESSION
This course will look at current theories of causality, presenting behaviours, risk factors and therapeutic approaches for each of these conditions. The impact on the family and professional caregivers will be assessed. Dementia care and interventions will focus on methods to enhance and retain patient abilities.

IPHE 504 - SOCIAL AND ENVIRONMENTAL CONTEXTS INFLUENCING AGING
This course focuses on the broader context of an aging person’s life. Topics will include senior-appropriate housing, financial viability, changing family dynamics, caregiver assessment, and culturally diverse responses to aging, driving and more. Discussion will encompass societal responsibility, health policy and responsiveness to the needs of an aging population.

Pre-requisites: GER0 200 is preferable. Registered Nurses, Physiotherapists, Occupational Therapists, Social Workers, Human Services Diploma graduates.

IPHE 505 - MAXIMIZING PHYSICAL FUNCTION IN AGING
Personal independence and feelings of wellness are profoundly impacted by a person’s ability and capacity to mobilize, utilize adaptive tools, or enhance the environment to improve safety and function. This course will enable participants to apply assessment techniques to ascertain a client or patient’s strength and physical flexibility, cognitive capacity for change and personal resources. Goals of care will be aimed at improving the individual’s ability to successfully maintain activities of daily living with reduced fatigue and improved competence.

Pre-requisites: GER0 200, and GNUR 400 are preferred. Registered Nurses, Physiotherapists, Occupational Therapists.

IPHE 512 - MENTAL HEALTH, ADDICTIONS AND WELLNESS IN LATER YEARS
Mental decline is not synonymous with old age. Mental health may be negatively affected by particular mental illnesses, by depression, by stress and poor adaptability, or by medical factors. Mental wellness and brain health can be boosted by timely assessment and diagnosis with appropriate treatment, education or social support. This course will explore vulnerabilities that predispose older adults to mental distress or illness with a focus on stabilizing and improving ability to problem-solve, improving ability to sound personal decisions, and maintaining personal integrity and dignity.

Pre-requisites: Recommended for all interested professionals
IPHE 513 - END-OF-LIFE CARE AND PALLIATION

Palliative care is the unique way caregivers think, respond, and act as they give skilled and compassionate care to a dying person and the support system of that person. The course begins by helping each professional understand their own perceptions of death and palliation by reflecting on their experiences with dying people. Each participant will gain specific and current knowledge about symptom assessment and management, and how to deal with selected palliative emergency situations. Particularly unique aspects of caring for the dying, i.e., family care, communication, grief, and self-care will be explored.

Pre-requisites: Recommended for Nurses or other interested professionals

GERO 200 - CONTEMPORARY ISSUES IN GERONTOLOGY

The rapidly aging population of industrialized countries will impact or change all aspects of our society over the next 50 years. This course will provide a historical perspective and overview of aging in Canada. A study of theories of gain, demographic trends and current research will lead to an exploration of the implications of aging in our culture.

Pre-requisites: Health or Social Science Students and Professionals

Contacts

DISTANCE HEALTH
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TERESA PETRICK
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Program Summary
The golf industry is growing rapidly with over 30,000 international clubs looking for trained managers to help their businesses run smoothly. Our Golf Club Operations Certificate puts you at the top of the hiring list and gives you maximum career potential. This fully-online program gives you personalized learning experiences and flexibility to set your own schedule as you explore our multimedia curriculum, complete with videos, forums and chat rooms. Whether you’re looking to improve your workplace performance, increase your chances of career advancement or pave your way into the industry, our program can help you get there.

BECOME PROFICIENT IN
– Financial controls
– Food and beverage controls
– Human resources
– Industry leadership
– Manager financial tools
– Marketing strategies
– Golf shop operations
– Tournament and special event planning
– Turfgrass management

ONLINE TEXTBOOKS
Online textbooks are provided electronically and free for most GCOOL courses, but three use print texts that are not included in the tuition fees. Specifically, GCOOL 103 Food and Beverage Controls, and the two-part course GCOOL 111 and 112 Accounting for Club Operations utilize the same text. To obtain these textbooks contact the Selkirk College Bookstore to arrange for payment and delivery. Selkirk College carries copies in inventory, so obtaining them from the institution is often easy and fast.


Additional Information
In response to requests for flexible golf management career development courses and less costly delivery methods, Selkirk College is the first accredited post secondary institution in Canada to offer a comprehensive online certificate in golf management.

This program is perfectly suited to existing golf club staff who need to upgrade golf management skills to acquire management positions, to young people wishing to break into the golf industry, or to retired people wanting to pursue a second career at one of Canada’s 2,200 golf clubs.

YOU CAN TAKE ADVANTAGE OF THESE COURSES IN TWO WAYS:
– A complete 10-course Golf Club Operations Online (GCOOL) Certificate.
– Individual 45-hour courses (12 weeks to complete each course).
– All ten courses are offered twice a year:

Programs
Golf Club Operations
GOLF CLUB OPERATIONS

Application Information

APPLICATION PROCESS
Apply.EducationPlannerBC. Please remember to pay your application fee online so we can complete the process.

GCOOL APPLICATION/ENROLLMENT PROCESS
1. Apply and pay application fee (returning GCOOL students are not required to pay the application fee)
2. Students will receive an Acknowledgment Letter requesting documentation to be submitted up to one week prior to course(s) start date. (Late applications and documentation may be considered).
3. Once file is reviewed and student meets program eligibility, student will be sent an Acceptance Letter, requesting students to reply with their selected course(s).
4. Enrollment Officer will enroll student into selected course(s). Shortly before course(s) begin, students will be emailed a Computer Access instruction form.
5. Students to pay prior to or on the first day of course(s).

Program Courses

GCOOL 102 - OVERVIEW OF GOLF CLUB OPERATIONS
GCOOL 102 is a general overview of Golf Club Operations. You will discover that the golf industry is composed of basically four types of clubs: resort, private, semi-private and public. The course will introduce you to the basic concepts and principles of golf club ownership, management and operations. You will be introduced to discussions on Club bylaws, the importance of a mission statement and how the mission statement ties in with club goals and objectives and strategic planning. We will explore the topic of effective Boards Directors and the committee structures in private member-owned golf clubs. In the closing chapter of this overview we will be learning about managing effective meetings, membership recruitment and retention and we will end the thirteen-week online learning sessions with a discussion on trends in the golf club industry in North America. You will develop an appreciation of membership in a professional association, namely the Canadian Society of Club Managers, better known as the C.S.C.M. and the Club Managers Association of America (C.M.A.A.).

GCOOL 103 - FOOD AND BEVERAGE CONTROLS
Food and Beverage control is critical to the financial well-being of any food operation. Fundamentals of internal controls and information systems for food and beverage operations will be covered. The course covers techniques of effective purchasing, receiving and production; sales control and food and beverage cost calculations. Labour cost control methods are explained and discussed. Note: It is recommended that students apply early in order to receive the textbook prior to the course start date.

GCOOL 105 - GOLF SHOP OPERATIONS
After completing GCOOL 105 – Golf Shop Operations you will have acquired the skills and knowledge you will need to manage a golf shop. As you might guess, the golf shop manager “wears many hats” and must be able to shift easily from one role to another.

The golf shop is often referred to as the heart of the golf facility. This is the area where golfers book their tee times, register and pay their green fees, rent golf cars and purchase golf-related merchandise. The golf shop is also the area where tournaments are organized and tournament hosting is coordinated. In addition to running the golf shop, at most facilities, golf shop personnel also manage the practice/teaching facility, the back shop and the golf cart fleet.

In this course you will learn what is involved in managing these different areas, including situational factors to consider, staffing requirements, security procedures, facility requirements, traffic flow patterns and visibility considerations.

GCOOL 106 - GOLF CLUB MARKETING
GCOOL 106 Marketing Golf is a unique and innovative online course that focuses on the specific knowledge and skills necessary for successfully marketing a golf facility. It will help you understand, streamline and improve profitability of your marketing endeavours as you learn to research your product and your competitors, build on your strengths and create a total quality service environment that creates an unforgettable golfing experience.

In GCOOL 107: Turf Grass Management, the tasks and responsibilities of the course superintendent are analyzed, and the principles of good turf grass management are studied. Students learn about turf grasses, cultural practices, irrigation and drainage, soil management and fertilizers, mowing techniques and procedures how to mitigate insect pests and diseases as well as alternatives to chemical turf treatments. Basic principles involved in golf course design and construction are introduced.

GCOOL 108 - HUMAN RESOURCES FOR GOLF CLUBS
Human resources management has a profound effect on the success of tourism and recreation operations. An understanding of fundamental human resources management theory and practices is necessary in the service sector where the link between the tourism/recreation operation and the guest is so critical. Innovative approaches to human resources management are necessary to recruit and retain the right people in the industry. GCOOL 108: Human Resources for Golf Clubs focuses on the critical issues that concern managers in the tourism industry: employee relations, recruiting and selection, challenges, trends and employment standards.

GCOOL 109 - LEADERSHIP IN THE GOLF INDUSTRY
GCOOL 109: Leadership in the Golf Industry is designed to enable prospective and existing supervisors to apply the skills required to lead people and to contribute to a team effort in the golf industry. Each student will examine and analyse his or her own leadership style and build on it to maximize effectiveness as an organizational leader. The course provides students with a working knowledge of the formal and informal relationships between employees and management in the workplace through the study of leadership styles of others, group dynamics and motivation. It also examines the changes in society and how they are influencing organizations relating to employee and management roles in time management, stress management, and problem solving.

GCOOL 110 - TOURNAMENTS AND SPECIAL EVENTS PLANNING
In GCOOL 110: Tournaments and Special Events Planning, you will discover the “ins” and “outs” of planning and conducting special activities and programs at the golf club. This course analyses standard grass-roots programming at the golf club level as well as explaining the importance of developing strong junior golf and member-based programs. GCOOL 110 will cover event organization including “opens,” “invitationalS” and “corporate” golf days while learning about the financial impacts of these events at all levels. Students will learn how to plan, coordinate and execute tournaments and special events from elaborate weddings to the club’s weekly men’s night.
GCOOL 111 - ACCOUNTING FOR CLUB OPERATIONS PART 1

As a club manager or student of golf management, it is important that you are able to understand the basics of financial management when speaking to and with owners, directors, shareholders, members, staff and auditors of whatever type of golf operation you are working at this industry. The course uses the Text, "Accounting for Club Operations" and the text will be used for both courses 111 and 112. GCOOL 111 will encompass the first 7 chapters of the text:

– Chapter 1: Introduction to Club Accounting
– Chapter 2: The Statement of Financial Position
– Chapter 3: The Statement of Activities
– Chapter 4: The Statement of Cash Flows
– Chapter 5: Ratio Analysis
– Chapter 6: Understanding and Applying Cost Concepts
– Chapter 7: Operations Budgeting

GCOOL 112 - ACCOUNTING FOR CLUB OPERATIONS PART 2

As a club manager or student of golf management, it is important that you are able to understand the basics of financial management when speaking to and with owners, directors, shareholders, members, staff and auditors of whatever type of golf operation you are working at this industry. The course uses the Text, "Accounting for Club Operations" and the text will be used for both courses 111 and 112. GCOOL 112 will encompass the last 7 chapters of the text:

– Chapter 8: Current Asset Management
– Chapter 9: Internal Controls
– Chapter 10: Capital Budgeting
– Chapter 11: Property, Equipment, and Other Fixed Assets
– Chapter 12: Accounting for Payroll-Related Liabilities
– Chapter 13: Club Technology Applications
– Chapter 14: Lease Accounting

Contacts

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BOB FALLE
School Chair
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Email: bfalle@selkirk.ca
Program Summary

Selkirk College’s Hairstylist Program provides you with knowledge and skills to turn your creative edge into a lasting career with limitless opportunity.

Our Hairstylist Foundation Program uses highly experienced, supportive instructors to develop an intimate learning environment which teaches the required classroom theory and hands-on training.

GET PROFESSIONAL RESULTS

From hair care and equipment upkeep to exploring the latest trends in colour and style, Selkirk College will give you a comprehensive overview while teaching you to build strong workplace and client relationships. Practice your classroom learning with real clients in the salon on the Silver King Campus and in a weekly commercial salon practicums. You will learn about:

- Hygiene, sanitation and disinfection practices
- Use and maintenance of tools and equipment
- Client services
- Hair and scalp care
- Haircutting
- Hairstyling
- Chemical waving and relaxing of hair
- Hair colouring
- Specialized services
- Business management

Students successfully completing the Selkirk College Hairstylist Foundation Program will have earned the hours and training required to receive the Industry Authority Certificate of Completion of the Level 1 Foundation Program. Subsequent training can help earn the Level 2 Foundation and the Red Seal Certificate of Qualification. Learn more online at Industry Training Authority.

Admission Requirements

- Graduation from a British Columbia Senior Secondary School or equivalent.*
- All applicants are required to complete a computerized placement test in reading, writing and mathematics once they have submitted their application.
- An interview with an instructor may be required before commencement of the program.
- Applicants must have developed interpersonal and intrapersonal skills. Strong "people skills" are a must.
- Applicants must be non-allergic to the solutions used in this occupation.
- This occupation is physically demanding and reasonable physical conditioning is necessary.
- Professional clothes must be worn to all classes and practicum placements (no jeans).
- Learn more about the math requirements.
*Consideration may be given to mature students who have not graduated from high school but have demonstrated they have the adequate assets to help achieve success in this program.

Careers

Employment success rates have been favourable with the vast majority of graduates finding meaningful employment within six months of graduation.

Prospects for employment success are greatly enhanced if graduates are free to relocate to other areas.

EXPLORE YOUR CAREER OPTIONS

- Hairstylist
- Salon management and ownership
- Technician
- Platform artist
- Salesperson
- Instructor
- Film stylist
- Cruise ship salon operator
- Examiner / Inspector
Health Care Assistant

The HCA program is 26 weeks in total. During the first 16 weeks, students complete theory and lab courses during face-to-face classes on the Trail campus and online, followed by completion of 270 hours of practice in residential and community care settings during the final ten weeks of the program.

SPECIAL COSTS AND TRAVEL
Students are required to have uniforms, and footwear that comply to Work Safe BC standards. In addition, students must be prepared to travel to clinical practice agencies. Access to a reliable vehicle is necessary. Students are required to possess a valid BC driver’s license by the start of HCA 107.

Clinical and practicum placements are arranged on the basis of student learning needs and available learning experiences. It is not possible to comply with the personal and travel requirements of individual students.

CAREER OPTIONS INCLUDE
- Adult Day Care
- Assisted Living
- Community Health Workers
- Complex Care
- Front-Line Care Providers
- Home Support
- Residential Care Attendants
- Special Care Units

Program Summary
Are you interested in becoming a front line health care worker and assisting clients with their personal care, nutrition, and mobility? Our program will support you in developing the confidence, knowledge and skills required to provide safe care and contribute to the physical, emotional, and social well-being of clients in a variety of health care settings. As a graduate, you will be a respected member of the health care team and work under the direction and supervision of a health professional.

The HCA Program delivered by Selkirk College has been granted a full, five-year recognition by the BC Care Aide & Community Health Worker Registry. Graduates of the program are eligible for registration with the BC Care Aide & Community Health Worker Registry.

As a graduate, you will be a respected member of the health care team in both community and facility settings. Under the direction and supervision of a health professional, graduates provide person-centered care aimed at promoting and maintaining the physical, emotional, cognitive, and social well-being of clients/residents. Graduates of the program are eligible to apply for registration with the BC Care Aide and Community Health Worker Registry.

ACADEMIC REQUIREMENTS
Official transcripts from high school or post-secondary institutions (mailed directly from the Ministry of Education and educational institutions) showing the following:
- English 11 (or equivalent) C+ or better
- Science 10 (or equivalent) C+ or better
- Mathematics 10 (or equivalent) C+ or better
- Applicants for whom English is a second language are required to demonstrate proficiency in English as outlined by the BC Care Aide & Community Health Worker Registry.
- Current immunizations as outlined for health care workers by the Ministry of Health
- Criminal Record Check with Ministry of Justice

Note: Criminal Record Check and Immunization forms (within HCA Application Package) to be submitted prior to Fall program start date. TB Test results should be completed between April and August.

NON ACADEMIC REQUIREMENTS
Applicants are encouraged to complete the following requirements prior to start date of program
- Standard First Aid with CPR C Certificate
- Food Safe Certificate

COLLEGE READINESS TOOL
- The College Readiness Tool (CRT) must be completed prior to starting the program. If you have completed the assessment previously at Selkirk, it's not necessary to do it again.

COMPUTER SKILLS
- Computer skills are required for this program. Necessary skills include knowledge of internet, email, word processing and file management. You are encouraged to complete the Computer Skills Self Assessment
Students will also be introduced to a problem-solving and diversity as they relate to health and healing. Human needs and human development; family, culture, and an understanding of caring and person-centered care; basic skills for competent practice as HCA. The course focuses on theoretical understanding that provide a foundation for problem-solving practice. Students will be introduced to the philosophical values and a theoretical framework for practice. Students have the opportunity to develop and use communication choices and patterns. They have the opportunity to develop and use communication skills, respect, and active listening skills.

This course introduces students to a holistic concept of health and the components of health-enhancing lifestyles. Students are invited to reflect on their own experience of health, recognizing challenges and resources that can impact lifestyle choices. Students are introduced to a model that can be applied in other courses to understand the multi-faceted aspects of health and healing.

This course introduces students to effective job-finding approaches. Students also have opportunities to develop self-awareness, increased understanding of others, and development of effective interpersonal communication skills that can be used in a variety of care-giving contexts. Students are encouraged to become more aware of the impact of their own communication choices and patterns. They have the opportunity to develop and use communication techniques that demonstrate personal awareness, respect, and active listening skills.

This practice course provides students with an opportunity to apply knowledge and skills from all other courses with individuals and families in a community setting. Opportunity is provided for students to become more familiar with the role of the HCA within the Home Support and Assisted Living setting and gain abilities that prepare graduates to assume the role of the Community Health Worker.

This supervised practice experience provides students with an opportunity to apply knowledge and skills from all other courses in the program with individuals in a multi-level/complex care setting. A portion of this clinical experience is devoted to working with individuals experiencing cognitive challenges. Opportunity is provided for students to gain expertise and confidence with the role of the HCA within the residential care facility.

**Contacts**

**RACHEL WALKER**
Admissions Officer
Phone: 1.888.953.1133 ext 21233
Email: rwalker@selkirk.ca

**TERESA PETRICK**
School Chair, Health and Human Services
Phone: 250.365.7292 ext 21442
Direct: 250.365.1442
Email: tpetrock@selkirk.ca
Upon completion of the program, graduates, possess the skills, knowledge and attitudes necessary to gain employment in one of the four aforementioned trades as a Level 1 apprentice. All Heavy Mechanical Foundation students are encouraged to acquire additional certification including an Air Brake Endorsement on their driver’s license, a Forklift Operator’s Certificate, Occupational First Aid Level 1 and WHMIS through the College’s Continuing Education department.

Admission Requirements
The following admission requirements are specific to the Heavy Mechanical Program.

– Graduation from a British Columbia Senior Secondary School or equivalent
– Foundations & Pre-Calculus 10, or Apprenticeship Workplace 11, or Principles 10, or Applications 11, or Essentials 12, or Selkirk Math ABE 46, with a grade of “C” or better
– Consideration will be given to mature individuals (19 years or older) who are not Senior Secondary School graduates, provided they have completed or are in the process of obtaining one of the above prerequisites with a “C” grade or better (This course must be completed prior to the program entry date).
– Recommend possession of a valid driver’s license class 5, 7 Learner or higher
– Must be capable of doing physical work
– Basic keyboarding and computer skills are an asset
– Employers may require higher level of Math as part of their hiring policies

ADDITIONAL MATERIALS YOU ARE REQUIRED TO PROVIDE

– A pair of work gloves (leather palm)
– Welding gloves
– Safety toe boots
– Appropriate winter clothing
– Coveralls will be supplied at a minimal cost.
– You are also required to purchase the necessary textbooks and supplies associated with the mechanical trades at an approximate cost of $900.
– The college will loan all other books and tool kits needed to complete the course upon payment of a refundable tool deposit of $100.
– It is recommended that students have their own vehicle/transportation.

Courses
Skilled trades people are in demand all across the country in well respected jobs that offer good pay, great benefits and endless opportunities. The career path of a trades or technology graduate can lead to senior management, contractor or entrepreneur, there are no limits.

Contacts

TRADES ADMISSIONS
Registration Contact
Phone: 1.888.953.1133 ext 13204
Direct: 250.354.3204
Fax: 250.352.3180
Email: trades@selkirk.ca

INDUSTRY AND TRADES
Program Contact
Phone: 1.888.953.1133 ext 13221
Direct: 250.354.3221
Fax: 250.352.3180
Email: trades@selkirk.ca

ROB SCHWARZER
School Chair
Phone: 250.352.6601 ext 13212
Direct: 250.354.3212
Email: rschwarzer@selkirk.ca

Program Summary
In our on-site, real-world shop, you’ll apply your knowledge and learn the mechanics of trucks, commercial transport vehicles and heavy equipment.
This nine-month program prepares students for entry level positions as apprentices in four trades: Truck and Transport Mechanic, Diesel Engine Mechanic, Transport Trailer Technician and Heavy Duty Equipment Technician.
Students engage in a variety of classroom and shop activities. They learn theoretical principles of vehicle mechanics in the classroom. They apply their knowledge in the shop where they perform numerous diagnostic procedures, preventative maintenance procedures, removals, repairs, and installations of components on trucks, commercial transport vehicles and heavy equipment.
Graduates of the Heavy Mechanical Foundation program at Selkirk College typically find employment with service garages or industrial firms as apprentices engaged in the maintenance and repair of motor vehicles and associated equipment.

PRACTICAL TRAINING
– Air, alternate and hydraulic braking systems
– Diesel and gasoline engines
– Electrical and electronic systems
– Employment preparation
– Heavy duty wheeled equipment and attachments
– Hydraulic systems
– Power train components
– Safe hoisting procedures
– Safe work practices and procedures
– Track machines and attachments
– Welding principles
– Winches and attachments

The theory component of the program is delivered in a classroom setting employing lecture mode along with self-directed activities, while the hands-on component is conducted in the College’s mechanical shop. The ratio of shop time to classroom time is approximately 60:40 and based on a 4-day week.
Program Summary

History is more relevant than you may think—let us show you why. For students interested in earning a bachelor of arts degree in history, this associate of arts degree provides two years of university transferable courses that fulfill most or all of the requirements to enter the third year of a major or honours program in History.

PAST, PRESENT TO FUTURE

To understand the present and move forward into the future, you have to know where you've come from. Get a handle on where the world is headed by learning how the past is still shaping our current realities. Apply your knowledge to your future career through being able to identify and address historical problems in any given situation. History is more relevant than you may think – let us show you why.

CAREER OPTIONS

- Administration and management
- Business and commerce
- Contract / consulting historian
- Education and Research
- Information management specialist
- Media and communications
- Museum and historic site researcher
- Non-profit and charity organizations
- Politics
- Publishing and journalism
- Records management

Take this program for the simple love of history—or to get started on years one and two of your bachelor’s degree in history. You’ll get two years of university level, fully transferable courses that fulfill most, if not all, of the requirements for third-year entry into a history major or honors program.

Your associate degree in history gives you a broad knowledge of various historical topics, in addition to a variety of humanities, social sciences and science courses at the 100- and 200-levels. Check with one of our counselors for full program requirements.
HISTORY COURSES INCLUDE
- HIST 104 - Canada before confederation
- HIST 105 - Contemporary Canada
- HIST 106 - Western civilization I
- HIST 107 - Western civilization II
- HIST 203 - A history of British Columbia
- HIST 210 - A history of the First Nations of Canada
- HIST 215 - A history of the West Kootenay
- HIST 220 - Latin America: Pre-1821
- HIST 221 - Latin America: Post-1821

Admission Requirements
Admission to the program requires the completion of English 12 with a grade of “C” or better or written permission of the Instructor and School Chair. Other prerequisites depend on the electives chosen to complete the program and should be determined with the advice of a Selkirk College counsellor.

If you are a student who lacks the admission requirements, you may still gain entry to the program by taking a combination of university courses in your first year. This may extend the length of your program.

Program Courses

- SECOND YEAR ARTS BREADTH REQUIREMENT (EXCLUDING DISCIPLINE)
  Students may take any second-year UAS Arts elective (Humanities or Social Sciences) excluding your major discipline.

- SECOND YEAR ARTS REQUIREMENT (INCLUDING DISCIPLINE)
  Students may take any second-year UAS Arts elective (Humanities or Social Sciences) including your major discipline.

- ENGLISH REQUIREMENT: ENGL 110 OR ENGL 112
  Students requiring first-year English have a choice of the English 110/111 sequence and the 112/114 sequence.
  - ENGL 110 - College Composition
  - The 110/111 sequence is focused on the development of academic writing and research.
  - ENGL 112 - Introduction to Poetry and Drama
  - The 112/114 sequence is focused on the interpretation of literature.

- ENGLISH REQUIREMENT: ENGL 111 OR ENGL 114
  Students requiring first-year English have a choice of the English 110/111 or the 112/114 sequence. The 110/111 sequence is focused on the development of academic writing and research.
  - ENGL 111 - Introduction to Literature
  - The 112/114 sequence is focused on the interpretation of literature.
  - ENGL 114 - Introduction to Prose Fiction

HIST 203 - A HISTORY OF BRITISH COLUMBIA
The course is designed to introduce students to the history of British Columbia from the pre-contact societies of the native peoples to the present. Relations between Europeans and First Nations, the development of the European resource and settlement frontiers, and the eventual transformation of British Columbia’s society and economy as a result of industrialization, immigration, and urbanization are examined within a broader Canadian and North American context. Emphasis is placed on fostering student interest in the history of British Columbia by examining the historical experiences of a diversity of peoples.

Pre-requisites: ENGL 12 with a grade of “C” or better or written permission of the Instructor and School Chair.

HIST 210 - LATIN AMERICA: POST-1821
A survey of Latin American history from independence to the present. Major themes examined include post-colonial efforts to develop and modernize new nation-states, the development and impact of neocolonialism, the rise, impact and responses to both nationalist and revolutionary movements in the 20th century, and the impact of the United States foreign policy on Latin America and its peoples.

Pre-requisites: ENGL 12 with a grade of “C” or better or written permission of the Instructor and School Chair.

HIST 220 - A HISTORY OF BRITISH COLUMBIA

- HISTORY REQUIREMENT:
  HIST 104 OR HIST 106
  Students can choose from either the History 104/105 (Canada) sequence or the 106/107 (Western Civilization) sequence.
  - HIST 104: Canada before Confederation
  - HIST 106: Western Civilization I

- HISTORY REQUIREMENT:
  HIST 105 OR HIST 107
  Students can choose from either the History 104/105 (Canada) sequence or the 106/107 (Western Civilization) sequence.
  - HIST 105: Contemporary Canada
  - HIST 107: Western Civilization II

- HISTORY REQUIREMENT:
  HIST 210 OR HIST 215
  Students can choose from either History 210 or History 215.
  - HIST 210: A History of the First Nations of Canada
  - HIST 215: A History of the West Kootenay

- HUMANITIES ELECTIVE
  Students have the choice of any course from the list of 100 or 200 level Humanities courses offered by Selkirk.
  - Creative Writing
  - English
  - French
  - History
  - Peace & Justice Studies
  - Philosophy
  - Spanish
- **LABORATORY SCIENCE ELECTIVE**
  A student may take any first- or second-year science course with a minimum two-hour lab, excluding any courses in applied science, computing science, math or statistics. Some university degree programs may not accept astronomy and/or physical geography as a lab science. Please consult a Selkirk College counsellor.
  - Astronomy
  - Biology
  - Chemistry
  - Geography 130, 232, 254
  - Geology
  - Physics

- **SCIENCE ELECTIVE**
  Students may take any first- or second-year UAS Science course. This course is not required to have a lab component.

- **SOCIAL SCIENCE ELECTIVE**
  A student may take any Selkirk course from the following disciplines:
  - Anthropology
  - Economics
  - Psychology
  - Sociology
  - Women's Studies
  In addition, a student may take:
  - Geography 136
  - Geography 140
  Students may also be able to take Human Services course such as:
  - Gerontology 200
  - Addiction 184
  - Family 180
  - First Nations 287
  Other course may satisfy the requirement, please check with a counsellor or the UAS Chair.

- **GENERAL UAS ELECTIVE**
  A student may take any first-year or higher university transferable course to satisfy this elective. Each course must transfer for three or more credits to at least one of: SFU, UBC (Vancouver or Okanagan), UNBC or UVIC. To learn more about how your courses transfer visit the online BC Transfer Guide or contact a Selkirk counsellor.

- **MATHEMATICAL SCIENCE ELECTIVE FOR ARTS**
  Students may take any university-transferable, first- or second-year course in mathematics, computer science or statistics.
  - MATH 100
  - MATH 101
  - MATH 125
  - MATH 140
  - MATH 180
  - MATH 181
  - MATH 221
  - CPSC 100
  - CPSC 101
  - STAT 105
  - STAT 206

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**Contacts**

**UNIVERSITY ARTS & SCIENCES ADMISSIONS**
Admissions Officer (Castlegar)
Phone: 1.888.953.1133 ext 21233
Direct: 250.365.1233
Email: admissions@selkirk.ca

**UNIVERSITY ARTS & SCIENCES**
Program Contact
Phone: 1.888.953.1133 ext 21205
Direct: 250.365.1205
Email: UAS@selkirk.ca

**TRACY PUNCHARD**
School Chair of UAS; Instructor, English
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Direct: 250.365.1318
Email: tpunchard@selkirk.ca

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**HISTORY**

[selkirk.ca/history](http://selkirk.ca/history)
Child & Youth Care
A range of electives are available to diploma students including the ones listed below. Consult your faculty advisor to develop your course schedule.

**SEMESTER 4**

<table>
<thead>
<tr>
<th>Course</th>
<th>Name</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>HSER 254</td>
<td>Core Concepts in Human Services</td>
<td>On Campus 3</td>
</tr>
<tr>
<td>HSER 258</td>
<td>Fundamentals of Change I</td>
<td>On Campus 3</td>
</tr>
<tr>
<td>HSER 276</td>
<td>Issues in Youth</td>
<td>Online 3</td>
</tr>
<tr>
<td>PSYC 101</td>
<td>Introductory Psychology II</td>
<td>On Campus 3</td>
</tr>
<tr>
<td>PSYC 240</td>
<td>Child Development</td>
<td>On Campus 3</td>
</tr>
<tr>
<td>ELECTIVE 005</td>
<td>HSER Elective or other UAS Elective</td>
<td>On Campus 3</td>
</tr>
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**Total** 18

**SEMESTER 5**

<table>
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<th>Course</th>
<th>Name</th>
<th>Credit</th>
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</thead>
<tbody>
<tr>
<td>HSER 255</td>
<td>Professional Foundations for Human Services</td>
<td>On Campus 3</td>
</tr>
<tr>
<td>HSER 259</td>
<td>Fundamentals of Change II</td>
<td>On Campus 3</td>
</tr>
<tr>
<td>HSER 264</td>
<td>Introduction to Professional Child and Youth Care</td>
<td>On Campus 3</td>
</tr>
<tr>
<td>ENGL 111</td>
<td>Introduction to Literature</td>
<td>On Campus 3</td>
</tr>
<tr>
<td>PSYC 241</td>
<td>Adult Development</td>
<td>On Campus 3</td>
</tr>
<tr>
<td>ELECTIVE 005</td>
<td>HSER Elective or other UAS Elective</td>
<td>On Campus 3</td>
</tr>
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</table>

**Total** 18

**ELECTIVES**

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<tr>
<th>Course</th>
<th>Name</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>HSER 257</td>
<td>Mental Health Issues: Practical Responses</td>
<td>Online 3</td>
</tr>
<tr>
<td>HSER 267</td>
<td>Leadership in Human Services</td>
<td>On Campus 3</td>
</tr>
<tr>
<td>FNST 287</td>
<td>Introduction to Indigenous Teachings and Practices</td>
<td>On Campus 3</td>
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**Total** 9

**SEMESTER 6**

<table>
<thead>
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<th>Course</th>
<th>Name</th>
<th>Credit</th>
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</thead>
<tbody>
<tr>
<td>HSER 270</td>
<td>Practicum in a Child and Youth Care Setting</td>
<td>Practicum 6</td>
</tr>
</tbody>
</table>

Infant Toddler and Inclusive Practice offered in alternate years. For further information please contact Program Coordinator Taya Whitehead.

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**Program Summary**

Our programs help you develop the knowledge and skills required to launch your career working with adults, children, youth and/or families.

These programs provide the second year of training in a specific human services field, and prepare students for work in a variety of multi-disciplinary settings. The demographic that you will work with depends on the diploma stream that you choose:

- Child & Youth Care (CYC)
- Early Childhood Care & Education (Advanced Certificate - Inclusive Practice)(ECCE)
- Early Childhood Care & Education (Advanced Certificate - Infant & Toddler)(ECCE)
- Social Service Work (SSW)

Practicum Experience in community agencies develops your working knowledge of partnerships, hands-on training in the dynamics of interpersonal relationships and employment opportunities within your client group.

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**LENTH OF STUDY:**

1 Year

**ACCREDITATION:**

Diploma

**CAMPUS:**

Castlegar Campus

**GAIN ENTRY INTO THE THIRD YEAR OF FOUR-YEAR DEGREE PROGRAMS AT**

- University of Victoria
- University of the Fraser Valley
- Vancouver Island University
- Douglas College
- Thompson Rivers University
- Capilano University

**Admission Requirements**

In addition to meeting the general entrance requirements for admission to Selkirk College, an applicant must meet the following Human Service Diploma entrance requirements:

- A Human Services certificate such as Social Service Worker with an overall GPA of "B", or School Chair approval.
- Applicants whose credential was earned more than five years ago are required to meet School Chair approval based on evidence of related work in Human Services or Continuing Education
- A résumé and two letters of reference from people who can attest to your suitability to the human services field. Students who have graduated from a Selkirk Human Services Certificate program in the past two years are exempted from this requirement
- An interview with a Human Services Diploma Instructor

**Application Information**

- Fill out general application form
- Please make sure you meet all admission requirements, including the general admission requirements for the college and the specific admission requirements for your chosen program (these are listed in each program area)
- If you are transferring into the college from another institution to complete the second year diploma you are required to contact a program instructor to set up an interview for advising/
Program Courses

ECCE 282 - INFANT TODDLER OBSERVATION
This course provides the student with opportunities for supervised practical experience and directed observation of individual infants and toddlers as well as group settings designed for infants and toddlers. Ten hours of individual child observations may be done in homes, family day care, or other informal settings. The forty hours of Infant-Toddler Centre observations will be arranged in a variety of locations.

Pre-requisites: Early Childhood Education Certificate. Available only to students accepted into the program. Criminal records checks must be presented to instructor and centre directors.

ECCE 287 - PRACTICES IN SUPPORTED CHILD DEVELOPMENT
This practicum provides the student, under supervision, with opportunities to apply and consolidate knowledge and skills in working with infants and toddlers in group settings. Five weeks in length, this block practicum places each student in an early childhood setting for children under age three.

Pre-requisites: Early Childhood Education Certificate. Successful completion of ECCE 285, ECE 200, ECE 260 and HSER 267 with a grade of “C” or better.

ECCE 288 - INFANT/TODDLER PRACTICUM
This practicum experience is designed to provide the student, under supervision, with opportunities to apply and consolidate knowledge and skills in working with infants and toddlers in group settings. The student will complete the practicum in an inclusive child care program which serves children with extra support needs within a variety of early childhood settings. An inclusive approach with a foundation in knowledge of child development theory will be presented with an emphasis on individual planning, facilitating inclusionary practice and working collaboratively with families, professionals and community services.

ECCE 289 - RESPONSIVE INCLUSIVE ENVIRONMENTS
In this course students will have an opportunity to learn about ways of understanding and working with infants, toddlers and young children who have extra support needs within a variety of early childhood settings. An inclusive approach with a foundation in knowledge of child development theory will be presented with an emphasis on individual planning, facilitating inclusionary practice and working collaboratively with families, professionals and community services.

ECCE 292 - INCLUSIVE PRACTICE PRACTICUM
This practicum experience is designed to provide the student, under supervision, with opportunities to apply and consolidate knowledge and skills in working with infants and toddlers in group settings. The student will complete the practicum in an inclusive child care program which serves children with extra support needs in group settings. The student will complete the practicum in an inclusive child care program which serves children with diverse abilities and needs. Focus will be upon practical application of specialty skills in planning, implementing and evaluating daily programs, as well as demonstrating team building skills and facilitating inter and transdisciplinary cooperation.
Program Pathways

Selkirk College Human Services program graduates can ladder into programs offered by other post-secondary institutions. See the diagram on the right for academic pathways for each diploma stream.

*Note: Students can also transfer from an ECCE or CCSW certificate into the Human Services Diploma (Social Service Worker Specialty) though they may need additional courses and should contact a program instructor.

**Note: Students planning to transfer into a degree program MUST check the transfer requirements of the receiving institution.

***An optional Mental Health & Addictions Associate Certificate is available with all Human Services Diploma specialties.
Elective 005 - HSER Elective or Other UAS Elective
You must take one of the electives listed in the elective section or a university arts and sciences elective. Consult your faculty advisor to develop your course schedule.

Enl 111 - Introduction to Literature
English 111 is about living more intensely. Rather than providing answers, literature prompts us to ask better questions of ourselves and each other. Drama, poetry, short stories, and novels will guide us in discussion, reflection, and writing about literature.

Pre-requisites: ENGL 110 with a grade of “C” or better or equivalent, or written permission of the instructor and School Chair. Note: English 112/114 is intended for students interested in a literary focus.

Fnst 287 - Introduction to Indigenous Teachings and Practices
Fnst 287: Introduction to Indigenous Teachings and Practices will provide students with an introduction to Indigenous studies, including key concepts, themes and topics relevant to Indigenous histories and contemporary practices. Core teachings of the Medicine Wheel and practices which support right relationship with the four elements of life will be explored. The history and impact of colonialism, residential schools and oppression will be explored through story and the use of talking circles as a restorative justice healing practice. We will explore what an Indigenous Worldview involves and ways in which we can respectfully participate in creating a future vision which embodies respect for cultural diversity and the health of our planet for the next seven generations. Local elders will be invited to share stories and perspectives on current issues.

Transfer Credits: Indg 287: Introduction to Indigenous Teachings and Practices is a University
are used as frameworks for the development of skills and knowledge. Students are introduced to strategies for overcoming stigma and supporting client empowerment in a variety of community and facility settings.

**Pre-requisites:** ENGL 12 or equivalent

**HSER 258 - FUNDAMENTALS OF CHANGE I**
This course is designed to assist the student to develop self-awareness as a helper and to develop both an understanding and a beginning level of skill. Students are required to participate in exercises, role plays, simulations and video taping in interviews and counselling in order to accomplish the course objectives.

**Pre-requisites:** HS Certificate or Instructor’s permission.

**HSER 259 - FUNDAMENTALS OF CHANGE II**
HSER 259: Fundamentals of Change II is designed to assist students to build advanced helping skills on the base developed in HSER 258. Students will learn to use their helping relationships and interpersonal communication skills within the framework of the helping process model. Students are required to demonstrate their skill development on video tape, as well as demonstrate analytical skills which will require both self-awareness and knowledge of the helping model. The focus is on the skills required to carry out action planning, support of action and evaluation of outcomes in helping interventions.

**Pre-requisites:** HS Certificate or Instructor’s permission.

**HSER 264 - INTRODUCTION TO PROFESSIONAL CHILD AND YOUTH CARE**
HSER 264: Introduction to Professional Child and Youth Care is designed to provide an overview of the child and youth care field, and the professional identity of child and youth care workers, which will enable the student to work with and advocate for children, youth and families in a more effective way. Students will explore the historical development of the field and gain a working understanding of the key concepts and basic principles of practice in the Child and Youth Care field. They will develop a clear understanding of the similarities and differences in the role and function of Child Care Professionals and other Human Service Professionals.

**Pre-requisites:** ENGL 110.

**HSER 267 - LEADERSHIP IN HUMAN SERVICES**
Leadership in Human Services provides a basic introduction to leadership concepts. Students self-reflect as they explore the concepts of emotional intelligence, leadership style, and the qualities and attributes of an effective leader. Students create a plan for developing personal leadership skills.

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### Social Services Work

A range of electives are available to diploma students including the ones listed below. Consult your faculty advisor to develop your course schedule.

Unless entering with SSW Certificate, Engl 111 is a requirement.

#### SEMESTER 4

<table>
<thead>
<tr>
<th>Course</th>
<th>Name</th>
<th>Credit</th>
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<tbody>
<tr>
<td>HSER 254</td>
<td>Core Concepts in Human Services</td>
<td>3</td>
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<tr>
<td>HSER 258</td>
<td>Fundamentals of Change I</td>
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<tr>
<td>PSYC 240</td>
<td>Child Development</td>
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<tr>
<td>HSER 276</td>
<td>Issues in Youth</td>
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<tr>
<td>GER 200</td>
<td>Contemporary Issues in Gerontology</td>
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<td>HSER 255</td>
<td>Professional Foundations for Human Services</td>
<td>On Campus</td>
</tr>
<tr>
<td>HSER 281</td>
<td>Directed Studies - Methods</td>
<td>On Campus</td>
</tr>
<tr>
<td>PSYC 241</td>
<td>Adult Development</td>
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<td>HSER 259</td>
<td>Fundamentals of Change II</td>
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<td>HSER 257</td>
<td>Mental Health Issues: Practical Responses</td>
<td>Online</td>
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<tr>
<td>HSER 267</td>
<td>Leadership in Human Services</td>
<td>On Campus</td>
</tr>
<tr>
<td>FNST 287</td>
<td>Introduction to Indigenous Teachings and Practices</td>
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#### SEMESTER 6

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<th>Course</th>
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<tbody>
<tr>
<td>HSER 280</td>
<td>Advanced Human Service Practicum</td>
<td>Practicum</td>
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</table>
and have opportunities to improve their leadership performance in managing conflict, overcoming obstacles, and establishing a constructive climate.

**Pre-requisites:** Meet the admission requirements of Human Service Programs. Note: Pre-requisite(s) may be waived with the permission of the instructor.

**HSER 270 - PRACTICUM IN A CHILD AND YOUTH CARE SETTING**

HSER 270: Advanced Human Services Practicum takes place in a child and youth care setting. This practicum requires students to work directly with children and/or youths in order to promote professional skill acquisition and integration. Emphasis is placed on observation and recording skills, awareness of personal functioning in relation to the children and/or youths. The ability to demonstrate beginning-level case management planning, intervention, and case-presentation skills with both a one-to-one focus and a group focus are also emphasized.

**Pre-requisites:** All of the required Diploma Courses

**HSER 276 - ISSUES IN YOUTH**

HSER 276: Issues in Youth will explore the issues that face those in adolescence and early adulthood in various societies. 'Adolescence' and 'early adulthood' are terms used to describe a time of life in which major developmental and social changes occur. An exploration of adolescence and early adulthood, and the issues that are unique to these stages of life in various societies will occur. Students will be exposed to theories of adolescence, issues of gender, sociological explanations of existing issues, and to local and international programs designed to address these issues.

**Pre-requisites:** ENGL 110.

**HSER 280 - ADVANCED HUMAN SERVICE PRACTICUM**

HSER 280: Advanced Human Services Practicum takes place in a variety of social service agencies in the community. This practicum requires students to work directly with individuals through life span, and with families or groups in order to promote professional skills acquisitions and integration. Emphasis is placed on observation and recording skills, awareness of personal functioning in relation to individuals through the life span, and with families or groups. The ability to demonstrate beginning-level case management planning, interventions, and case-presentation skills with both a one-to-one focus and a group focus are also emphasized.

**Pre-requisites:** All of the required Diploma Courses.

**HSER 281 - DIRECTED STUDIES - METHODS**

HSER 281: Directed Studies: Methods is a self directed course where students are expected to demonstrate a basic understanding of the specific theoretical approaches to working with a specific client population. Further, students are expected to demonstrate an in-depth understanding of the specific concerns and issues related to this distinctive group, and demonstrate an understanding of the specific approaches and skills used with this group. Learning strategies include library research, exploration of relevant journals, interviewing practitioners and other individual's small group discussions with the instructor and presentation of results. Typical focus areas may include, but are not limited to, people with specific disabilities, people dealing with substance use/addictions, people who experience violence, community-based advocacy, people who perpetrate violence, people with mental illnesses, people with co-occurring disorders, family preservation and support, individual counselling, geriatrics, preparing people for employment, specific ethnic populations, multicultural work, children and adolescents and First Nations work.

**PSYC 100/101 - INTRODUCTORY PSYCHOLOGY I**

Topics include thinking and other cognitive processes, development of the individual, personality, behaviour disorders, health and social psychology. Other topics are added at the discretion of the instructor. Class demonstrations and activities are used to illustrate concepts.

**Pre-requisites:** PSYC 100 with a grade of "C" or better or written permission of the Instructor and School Chair.

**PSYC 240 - CHILD DEVELOPMENT**

An introduction to normal child development, this course explores selected aspects of the physical, cognitive, emotional, and moral development of children from birth to adolescence; and examines the major theories of child development.

**Pre-requisites:** PSYC 100/101 or written permission of the Instructor and School Chair.

**PSYC 241 - ADULT DEVELOPMENT**

An introduction to normal adult development, this course examines critical issues and theories of adolescence, and early, middle and late adulthood.

**Pre-requisites:** PSYC 100/101 and PSYC 240 or written permission of the Instructor and School Chair.

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**Contacts**

**RACHEL WALKER**
Admissions Officer
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Email: rwalker@selkirk.ca

**TERESA PETRICK**
School Chair, Health and Human Services
Phone: 250.365.7292 ext 21442
Direct: 250.365.1442
Email: tpetrick@selkirk.ca
Integrated Environmental Planning

**LENGTH OF STUDY:**
2 Years

**ACCREDITATION:**
Diploma

**CAMPUS:**
Castlegar Campus

**Program Summary**

If you have an interest in planning, protecting land, resources and the environment, our interdisciplinary leading-edge Integrated Environmental Planning program is a great fit. You’ll acquire employment-ready skills to tackle this dynamic sector’s challenges and master a range of applied environmental technologies.

Our nationally-accredited Integrated Environment Planning (IEP) diploma program offers a diverse and complimentary set of courses that prepare you for career oriented professional opportunities in land use planning, environmental management and environmental technology.

**COURSE TOPICS INCLUDE**
- Air and water pollution chemistry analysis
- Applied hydrology
- Data analysis and presentation
- Earth science
- Ecological systems and ecological restoration
- Ecology
- Environmental planning and management
- First Nations
- Geographic Information Systems (GIS)
- Hydrology
- Land Use and resource planning
- Microbiology
- Sustainability

**CAREER OPTIONS INCLUDE**
- Environmental field technologists
- Geomatics
- Government land use and Resource management Agencies
- Non-Profit (NGO) advocacy
- Planning and environmental consulting firms

Students enrolling in the Integrated Environmental Planning will spend their first year studying alongside students in Forest Technology programs.

### Year 1

#### SEMESTER 1

<table>
<thead>
<tr>
<th>Course</th>
<th>Name</th>
<th>Credit</th>
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<tbody>
<tr>
<td>ENVR 150</td>
<td>Hydrology I</td>
<td>3</td>
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</tr>
<tr>
<td>ENVR 160</td>
<td>Surveying &amp; Field Measurements</td>
<td>4</td>
<td>On Campus</td>
</tr>
<tr>
<td>ENVR 162</td>
<td>Applied Botany and Ecosystem Classification</td>
<td>3</td>
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<tr>
<td>ENVR 164</td>
<td>Soil and Earth Sciences</td>
<td>3</td>
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<tr>
<td>ENVR 190</td>
<td>Computer Applications I</td>
<td>1</td>
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<tr>
<td>MATH 160</td>
<td>Technical Math Review</td>
<td>3</td>
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<tr>
<td>TWC 150</td>
<td>Introduction to Technical Communications I</td>
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**Total 20**

#### SEMESTER 2

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<td>ENVR 154</td>
<td>Maps and Navigation</td>
<td>2</td>
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<tr>
<td>ENVR 158</td>
<td>Introduction to Geomatics</td>
<td>2</td>
<td>On Campus</td>
</tr>
<tr>
<td>ENVR 163</td>
<td>Terrestrial Ecology and Biology</td>
<td>4</td>
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<tr>
<td>ENVR 170</td>
<td>Fish and Wildlife Ecology</td>
<td>3</td>
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<tr>
<td>MATH 190</td>
<td>Resource Statistics I</td>
<td>3</td>
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<td>TWC 151</td>
<td>Introduction to Technical Writing and Communications II</td>
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<tr>
<td>IEP 276</td>
<td>Ecological Restoration and Remediation</td>
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<td>IEP 277</td>
<td>Environmental Planning Field Applications</td>
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**Total 19**

### Year 2

#### SEMESTER 3

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<td>Environmental Planning Applications I</td>
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<tr>
<td>IEP 260</td>
<td>Systems Ecology</td>
<td>3</td>
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<td>IEP 266</td>
<td>Applied Microbiology</td>
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<td>IEP 270</td>
<td>GIS Applications I</td>
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<td>IEP 280</td>
<td>Environmental Chemistry</td>
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<td>MATH 291</td>
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**Total 18**

#### SEMESTER 4

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<td>IEP 251</td>
<td>Environmental Planning Applications II</td>
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<tr>
<td>IEP 255</td>
<td>Hydrology II</td>
<td>2</td>
<td>On Campus</td>
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<tr>
<td>IEP 271</td>
<td>GIS Applications II</td>
<td>2</td>
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<td>IEP 281</td>
<td>Water and Air Pollution Chemistry</td>
<td>4</td>
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<tr>
<td>IEP 290</td>
<td>Environmental Sustainability</td>
<td>3</td>
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<td>IEP 291</td>
<td>Applied Research Project</td>
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<td>MATH 140</td>
<td>Calculus I for Social Sciences</td>
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<tr>
<td>IEP 200</td>
<td>Field Trip Study</td>
<td>1</td>
<td>On Campus</td>
</tr>
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</table>

**Total 19**
INTEGRATED ENVIRONMENTAL PLANNING
selkirk.ca/iep

This program can provide you with a 4-month Co-Op Education experience and transfers to several Canadian universities offering transfer into a variety of degree programs.

Additional Information

The Integrated Environmental Planning (IEP) program prepares students to meet growing needs for technologists capable of assisting in all areas of land use and environmental planning, environmental chemistry and hydrology, applied ecology and microbiology, and geographic information systems. Graduates of this program are trained in Geographic Information Systems (GIS) data entry and spatial analysis using ArcGIS and other software. Graduates possess the practical field and laboratory skills and technical competencies not only to acquire, compile, analyze, evaluate and present environmental information, but also to integrate it effectively into formal planning and review processes.

COMMON CORE

The first year of Forest Technology, Recreation, Fish and Wildlife Technology and Integrated Environmental Planning Technology programs consist of a core of common courses emphasizing resource skills, knowledge and professionalism in: fish and wildlife ecology, botany and terrestrial ecology, inventory, measurement, mapping, communications, math and interpretation.

The second year of each program synthesizes the skills, knowledge, and professionalism of first year with applied management, planning, and advanced techniques and principles. Integration of learning in each program is required.

The common core allows students to obtain an additional diploma in RFW or Forestry by completing the relevant third year.

Admission Requirements

The Integrated Environmental Planning Diploma can be completed on a full-time (2 years) or part-time basis. Each term will include courses that are conducted in classrooms, labs and field settings. In addition to meeting entrance requirements for Selkirk College, Integrated Environmental Planning has the following program requirements (please scroll down if you feel you aren’t quite there yet):

Math: (one of the following)
- Pre-Calculus 11 with a grade of “C+” (67%)
- Foundations of Mathematics 11 with a grade of “C+” (67%)
- or an equivalent course

English:
- English 12 with a grade of “C+” (67%), or
- Three credits of post-secondary English, Humanities or Social Sciences with a grade of “C” (60%) from a recognized institution.

Biology:
- Biology 11, or equivalent science course with a grade of “C+” (67%).

Transfer Credit: For students with previous post-secondary experience, advanced credit may be available for related course work through the Application for Advanced Credit Process.

NON ACADEMIC REQUIREMENTS

All applicants must be in good health and reasonably good physical condition. A demonstrated interest in, and aptitude for, outdoor work is essential as much of the work is done in the field, often under adverse and arduous weather and topographic conditions. A self assessment fitness check list is available on request.

Computer competency is an important element of success in the program. Prior to starting the program, it is strongly recommended that students have entry level experience with word processor, spreadsheet, and web browsing software. Check out Selkirk College Community Education & Workplace Training computer courses.

INTERNATIONAL STUDENTS

International Students (students who are applying to Selkirk College from locations outside of Canada) should follow the application steps required by Selkirk International.

Degree Completion

The Integrated Environmental Planning program now ladders into the Selkirk College Bachelor In Geographic Information Systems and counts as the first two years of this program.

There is a long-standing tradition of our graduates transferring and successfully completing university degrees. Selkirk’s Integrated Environmental Planning graduates have successfully transferred credit towards degrees in universities throughout Canada and the United States. Selkirk College also has transfer arrangements with the following institutions: Royal Roads University, University of Lethbridge, Thompson Rivers University, Seneca College, Cape Breton University, University of Alberta, University of Northern BC, and Griffiths University (Australia). These universities and others, recognize the IEP Diploma and transfer credits earned toward degree programs in Environmental Science or Management.

Many program graduates go directly from Selkirk to employment in the environmental field. There are IEP graduates working as Environmental Planning technologists, GIS technologists, GIS analysts, wildlife technologists, environmental coordinators, environmental compliance technologists, etc. Below is a partial list of employers where IEP graduates have found employment:
- BC Government
- Golder & Associates
- Morrow Environmental Consultants
- Environment Canada
- Department of Fisheries and Oceans
- BC Hydro
- Regional District Planning Offices
- Teck Cominco
- Oil and gas exploration firms, Northern BC

Regarding job prospects, sources such as Land Conservancy organizations, Environmental Science & Engineering and the Environmental Careers Organization (eco.ca) have excellent, current analyses on the status and growth of the Canadian and international environmental sectors and related career opportunities. Canada’s environmental sector is growing faster than the Canadian economy as a whole, and studies have identified thousands of job openings in the Canadian environmental sector.

Co-op Education

Environment and Geomatics students have the opportunity to enroll in Co-op Education. This program consists of four month work terms that allow students to access unique experiential learning. Co-op work terms are administered as regular course work with both cost and reporting requirements. Benefits include maintenance of full time student status as well as access to employment and experience unavailable outside of the Co-op program. For more information contact the Co-op Education Office at (250) 365-1280.

selkirk.ca/programs
CO-OP 170 / 270 / 370 WORK TERMS
These courses provide the practical application of academic studies. Students spend work terms at an employer site. A report covering each work term is required.

- 15 Credit-hours / work term.

Co-op Education is a process of education that formally integrates student's academic study with periods of related work experience in cooperating employer organizations. Selkirk College's Co-op Education programs are designed within guidelines established by the Canadian Association for Co-operative Education (CAFCE) and in consultation with federal and provincial government agencies.

CO-OP EDUCATION WORK-STUDY SEQUENCE:

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<th>Study Term 1</th>
<th>Study Term 2</th>
<th>Co-op Ed Work Term</th>
<th>Study Term 3</th>
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<td>Jan-Apr</td>
<td>May-Aug</td>
<td>Sept-Dec</td>
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</table>

For more information please contact:

BRENDA SMITH
Selkirk College
301 Frank Beinder Way
Castlegar, BC, V1N 4L3
email: Brenda Smith
Tel: 250.365.1280
Fax: 250.365.1218

Program Courses

ENVR 150 - HYDROLOGY I
Hydrology I is an introductory study of water in our environment including its properties, the natural processes which affect it, and climate and weather. Students will gain practical experience in the collection and analysis of field and laboratory data using standard techniques and equipment.

ENVR 154 - MAPS AND NAVIGATION
Maps and Navigation focuses on the navigation skills required of technologists working outdoors – to locate oneself, stay "found", and return safely from the field. The course includes hands-on use of navigation tools in field settings, including map, air photo, compass, altimeter, and Global Positioning Systems (GPS) techniques. Pre-trip planning in a navigation context will also be covered, including developing access plans and route plans, and estimating travel times.

ENVR 158 - INTRODUCTION TO GEOMATICS
Introduction to Geomatics is an introduction to applied mapping and geographic information systems (GIS) theory and applications. The first half of the course will be focused on introducing basic uses of remotely sensed imagery. Several applied mapping technologies will be explored, including Google Earth and Internet Mapping websites. The second half of the semester will be focused on learning basic GIS concepts and applying GIS technologies to environmental, renewable resource management, and planning fields. Emphasis will be placed on how geographic data is represented, collected, managed, analyzed, and displayed using GIS tools. Hands-on experience will be developed with the most widely used and comprehensive desktop GIS software, ESRI’s ArcGIS Desktop.

ENVR 160 - SURVEYING & FIELD MEASUREMENTS
Surveying & Field Measurements is an introduction to the practical use of common survey instruments and techniques used by environmental technicians. As well, the course will introduce the student to various sampling methods used to collect, assess, classify, and evaluate field data. Emphasis is placed on the proper care and use of basic surveying and measurement tools and the skills involved in collecting and interpreting precise and accurate field data.

ENVR 162 - APPLIED BOTANY AND ECOSYSTEM CLASSIFICATION
This course is an introduction to the principles of Botany and Ecosystem Classification. Botany lectures will focus on plant classification, botanical terms, plant morphology, and plant physiology. Topics include: plant cell structure, plant tissue function and structure, photosynthesis and respiration, transpiration and translocation. Botany labs will focus on learning to identify about 100 native plants commonly found in the West Kootenay Region of B.C., specifically key indicator species. Ecology lectures will focus on ecosystem classification using the Biogeoclimatic Ecosystem Classification System (BEC) of B.C. Other key topics include the study of climatic factors, disturbance and succession, landscapes and stand structure. Ecology labs focus on classifying ecosystems (including soils, site and vegetation) to site series using BEC. Labs are mainly field based.

ENVR 163 - TERRESTRIAL ECOLOGY AND BIOLOGY
This course builds upon the concepts from ENVR 162 with further studies of local forest ecosystems. Students will identify key forest structural components and study the role that disturbance (such as fire), environmental gradients, and competition play in defining a species’ niche. Participants will also examine the role of primary and secondary growth, nutrient uptake, reproduction, and survival mechanisms for plants. Winter plant identification, ecosystem form and function, and plant adaptations to timberline will also be examined. A practical field based assignment will form a major portion of the term assessment.

ENVR 164 - SOIL AND EARTH SCIENCES
This course will cover the identification of common rocks and minerals, landforms and soils of British Columbia. Learners will be introduced to the study of physical geology and geomorphology in relation to management of the forest environment and landscape. Learners will gain skills and knowledge in rock and mineral identification, description of the physical and chemical qualities of soils, and identification and classification of landforms and terrain. Skills will also be developed with respect to interpretation of geology, landforms and soils for environmental management.

ENVR 170 - FISH AND WILDLIFE ECOLOGY
This course will cover identification and ecology of vertebrate animals, habitat requirements, and habitat disturbance implications. Learners will gain experience in applying guidelines and management strategies to minimize impact of other resource uses on fish and wildlife habitat and species.

ENVR 190 - COMPUTER APPLICATIONS I
This course builds on computer skills students have previously acquired. Applied intermediate to advanced computer applications specific to career opportunities in the environment and geomatics sector are covered including file management, word processing for report writing, spreadsheets and an introduction to databases.

IEP 200 - FIELD TRIP STUDY
Field Trip Study is delivered during the 4th semester of the IEPF program. The field trip provides an opportunity for students to observe current environmental management practices, ecosystems and resource management issues in other regions of the province. Students will be actively involved in trip planning and will be presented with opportunities to develop communication skills and professionalism. This course is available only to students registered in the second year of the IEP Program. Students may be required to pay for accommodation and meals during the trip.

Pre-requisites: IEP 200 Field Trip Study is open to IEPF students registered in the fourth semester of the Integrated Environmental Planning Technology program who will be eligible to graduate at the end of the semester or with permission from the Chair of the School of Environment & Geomatics.

selkirk.ca/programs
Selkirk College Academic Calendar 2018-19 120
IEP 250 - ENVIRONMENTAL PLANNING APPLICATIONS I
This is the first course in a two course Integrated Environmental Planning Applications continuum. It focuses on the development of professional planning skills and their practical application. The physical, on the ground, aspects of development and conservation are a primary focus of this course. The course also emphasizes the understanding and development of practical strategies to achieve land use and environmental planning objectives. Plan development and plan implementation, regulatory agencies and regulations, planning history, group process and methods for the practical application of landscape ecology and conservation development are also covered. Students are expected to attend class and labs regularly and participate actively and evenly in in-class discussions.

IEP 251 - ENVIRONMENTAL PLANNING APPLICATIONS II
This is the final course in the three course Integrated Environmental Planning Applications continuum. It focuses on the development of professional planning skills and the practical application of the technical skills and scientific knowledge developed in other IEP courses. The majority of each student’s grade is determined by their preparation of a component of the courses capstone project. Preparation of this study takes place in discrete states throughout this course. Plan development, citizen participation strategies, and plan implementation strategies are the major focus of this course. Environmental assessment, planning process, planning theory, and planning ethics are also covered in this course. Students are expected to attend class and labs regularly and contribute actively and evenly to in-class discussions.

Pre-requisites: IEP 277, IEP 250.

IEP 255 - HYDROLOGY II
IEP 255: Hydrology II is a continuation of Hydrology I, in which students collect, record and analyse hydrological data for streams, drainage basins, lakes and reservoirs, groundwater and meteorology. Hydrology II is a more in-depth study of the effects of water on our environment, and how we can understand and mitigate our impacts and support natural hydrologic cycles. Practical examples are presented for examination, data collection, analyses, and interpretation in several areas including: snow pack, winter limnology, groundwater, surface runoff, flooding, regulated rivers and meteorology. We will also examine environmental legislation pertaining to hydrology.

Pre-requisites: ENVR 150 (Hydrology I)

IEP 260 - SYSTEMS ECOLOGY
This course is an introduction to the science of ecology, building on concepts and information introduced in IEP 160, 161 and other first year IEP courses. Emphasis is placed on the basics of ecology, and will focus on the structure and function of various communities including alpine, subalpine, wetland, and riparian ecosystems. The labs will explore various methods of sampling, analyzing and reporting on the physical site factors, vegetation and wildlife components of these communities.

Pre-requisites: Successful completion of First year ENVR courses (See dept. policy 1 demonstrate knowledge and understanding of the science of ecology including community ecology, biodiversity, diversity indices, succession, trophic structure, ecological integrity, energy and nutrient flow

IEP 266 - APPLIED MICROBIOLOGY
Applied Microbiology is an introductory applied microbiology course. This course covers basic microbiological theory and an introduction to applied microbiological skills including safe work practices; aseptic technique; preparation of media; isolation and growth of pure cultures; Gram staining; tissue culture; microbial enumeration using pour and spread plates, membrane filtration and optical density; and identification of microorganisms using biochemical tests.

Pre-requisites: Admission to the Integrated Environmental Planning Technology (IEPT) program or permission of the Chair of the School of Environment & Geomatics.

IEP 270 - GIS APPLICATIONS I
Geographic Information Systems (GIS) provide the capability to effectively create, edit, display, manage and analyze spatial data; data that is georeferenced to the earth. This course introduces the fundamental concepts and applications of GIS with a specific focus on environmental planning subjects. Emphasis is placed on developing hands-on expertise with world leading commercial desktop GIS software (ArcGIS) for displaying and querying spatial data, manipulating tabular data, completing queries, developing charts and producing effective map layouts. Finally, this course incorporates digital data collection using mobile technologies.

Pre-requisites: Successful completion of IEP 1 courses including RRS 158 or equivalent. Basic desktop computer skills, such as using MS Explorer (file manager), are essential. Some GIS experience is required.

IEP 271 - GIS APPLICATIONS II
This course provides an opportunity for IEP 2nd year students to undertake a GIS project of their choice. Students apply the GIS skills acquired in previous Selkirk GIS courses (ENVR 158 and IEP 270) to a real world project. A range of GIS methods and data sources will be used, depending on student project selection, but all will include as deliverables a project proposal and report, a spatial analysis of some kind, a final map, and a documented geodatabase. Both GIS and project management skills will be developed by completing the steps required to take a GIS project from initial proposal to final map production and report generation.

Pre-requisites: ENVR 158 and IEP 270.

IEP 276 - SYSTEMS ECOLOGY
This course is an introduction to the science of ecology, building on concepts and information introduced in IEP 160, 161 and other first year IEP courses. Emphasis is placed on the basics of ecology, and will focus on the structure and function of various communities including alpine, subalpine, wetland, and riparian ecosystems. The labs will explore various methods of sampling, analyzing and reporting on the physical site factors, vegetation and wildlife components of these communities.

Pre-requisites: Successful completion of First year ENVR courses (See dept. policy 1 demonstrate knowledge and understanding of the science of ecology including community ecology, biodiversity, diversity indices, succession, trophic structure, ecological integrity, energy and nutrient flow

IEP 277 - ENVIRONMENTAL PLANNING FIELD APPLICATIONS
Environmental Planning Field Applications involves the development of a planning project in a local regional district. Learners will be involved in scoping of the environmental planning issues, stakeholder consultation, and design of critical planning elements. This is an intensive 35 hour course offered in a one-week time block in the spring semester.

Pre-requisites: Successful completion of Year 1 courses with a grade of “C” or better.

IEP 278 - ENVIRONMENTAL CHEMISTRY
This introductory environmental chemistry course covers chemical theory and laboratory skills. Laboratory exercises address basic skills including laboratory safety, quantitative measurement, and use of common laboratory apparatus. Laboratory exercises are derived from standard methods for the examination of water and wastewater. The course goal is graduates will master basic chemical theory, use environmental chemistry references, demonstrate safe chemistry laboratory practices, and perform standard methods for the determination of total, suspended and dissolved solids, pH, conductivity, dissolved oxygen, alkalinity and turbidity in water and wastewater samples.

Pre-requisites: ENVR 158 and IEP 270 to a
IEP 281 - WATER AND AIR POLLUTION CHEMISTRY
This course examines the applied chemistry of water and air pollution. Major topics include: physical and chemical characteristics of water and air, water and air pollution, quantifying water and air pollution, water and air sampling, water treatment, wastewater treatment, mass balance modeling and air pollution dispersion. Applied concepts cover chronic and acute toxicity testing, use of colorimetry and AAS to identify and quantify pollutants, variable speed pumps used with pollution trapping devices for air sampling, gas detection tubes and air sampling meters. Use of spreadsheets for data analysis is an essential component of this course.

TEACHING METHODOLOGY
IEP 281: Water and Air Pollution Chemistry is delivered live using a combination of lecture and laboratory exercises to reinforce concepts for students’ individual learning styles. The course manual summarizes lectures and provides examples of questions to support learning outcomes.

Pre-requisites: TWC 151 Introduction to Technical Communications II, MATH 291 Resource Statistics II, IEP 266 Applied Microbiology and IEP 280 Environmental Chemistry or permission from the Chair of the School of Environment and Geomatics.

IEP 290 - ENVIRONMENTAL SUSTAINABILITY
Environmental Sustainability concerns the relationship between humankind and the environment. This course explores that relationship and how, in the words of the Brundtland Commission Report, “we may live to meet the needs of the present generation without compromising the ability of future generations to meet their own needs.” Clearly, there is no single route to achieving sustainability. Therefore, readings by many authors, technical experts, scientists and philosophers comprise a central component to illustrate the complexity of the topic, the diversity of approaches and resistance to change. There is substantial focus on applied skills related to current applications of sustainability principles across the economic spectrum.

IEP 291 - APPLIED RESEARCH PROJECT
IEP 291: Applied Research Project focuses on the preparation of the program’s capstone applied research project. The course compliments and is taught in conjunction with IEP 251, Integrated Environmental Planning Applications II. Over the course of the Winter semester, learners prepare a professional quality plan for an outside “pro-bono” client. The plan preparation process includes independent research and data collection, consultation with independent experts and stakeholders and public presentation of the draft plans.

Pre-requisites: IEP 277, IEP 250

MATH 140 - CALCULUS I FOR SOCIAL SCIENCES
Calculus I for Social Sciences and Business is an introductory course in calculus designed to provide students majoring in business, the life sciences or the social sciences with the necessary mathematical background for further study in these areas. The course includes functions, limits, the derivative and its application, anti-differentiation and the indefinite integral and an introduction to differential equations.

Pre-requisites: Principles of Math 12 or MATH 110 or equivalent grade of “C” or better, or permission of instructor.

MATH 160 - TECHNICAL MATH REVIEW
This is a mathematical review course for first-year students in the School of Environment and Geomatics (SEG) diploma programs. This course will provide a review of mathematical concepts which you will need for your other SEG courses. Materials to be covered include: unit conversions, trigonometry, exponentials and logarithms, problem solving, slope calculations, distance and direction calculations.

Pre-requisites: Acceptance to SEG Diploma programs.

MATH 190 - RESOURCE STATISTICS I
Math 190 is an introductory applied statistics course for environment and geomatics students. Topics include: types of data, descriptive statistics, probability and random variables, discrete probability distributions, continuous probability distributions, confidence intervals, sample size, and hypothesis testing.

Pre-requisites: MATH 160.

MATH 291 - RESOURCE STATISTICS II
This course is a continuation of Math 190 - Resource Statistics I. Topics include linear regressions and correlation, inferential statistics, confidence intervals, hypothesis testing, goodness of fit, contingency tables, and ANOVA.

Pre-requisites: MATH 190

TWC 150 - INTRODUCTION TO TECHNICAL COMMUNICATIONS I
An introduction to general principles in written technical communication and their application to environmental concerns and workplace communication. Classroom sessions focus on developing writing skills, the organization and presentation of data, basic report formats, and job search techniques.

Pre-requisites: Admission to the School of Environment and Geomatics

TWC 151 - INTRODUCTION TO TECHNICAL WRITING AND COMMUNICATIONS II
Introduction to general principles in written scientific communication, research strategies, and oral presentations. Lectures and in-class writing focus upon research strategies, the formal report, technical style, and graphic illustration. Students practice delivery techniques for oral presentations and learn research skills for research report preparation.

Pre-requisites: TWC 150 and program continuation.

Contacts

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selkirk.ca/iep

selkirk.ca/programs
Program Summary

Healthy employees are more productive, miss fewer days and stay with an organization for longer. Implementing a health and wellness program can also translate directly into cost savings with lower injury and accident rates. But how can an organization effectively choose and support a wellness program?

Designed to be completed by currently employed Human Resource and Health and Safety personnel, the program consists of three online modules. Participants will gain the knowledge to evaluate the specific needs of their worker population, and identify and deliver a suitable health and wellness program. Each module is 12-weeks in duration and requires a six to eight hour per week commitment by the learner.

MODULE 1 - IWHS 500: AN INTRODUCTION TO INTEGRATED WORKSITE HEALTH AND SAFETY

Workplace health and safety related costs place a substantial drain on many businesses. This course covers the basics of a novel yet proven solution to the problem. Learn strategies to determine what issues need to be addressed in your workplace, how to select an appropriate program and the best practices required to ensure success of your program.

MODULE 2 - IWHS 501: INTRODUCTION TO NUTRITION SCIENCE FOR THE WORKPLACE

This course will introduce students to the role of evidence-based nutrition in health and disease as it pertains to health and safety in the workplace. The timing and nature of food intake as the fuel supply for optimal performance of physical and mental tasks will be examined.

MODULE 3 - IWHS 502: AN INTRODUCTION TO MOVEMENT SCIENCE FOR WORKSITE HEALTH AND SAFETY

This course is an introduction to physical activity and movement science as they pertain to health and safety in the workplace. Students will gain an understanding of how the different components of physical activity can reduce fatigue and the risk of disease, as well as the relationship between workload and functional physical capacity in injury prevention.

Program Courses

IWHS 500 - AN INTRODUCTION TO INTEGRATED WORKSITE HEALTH AND SAFETY

Workplace health and safety related costs place a substantial drain on many businesses. Government regulation of occupational health and safety has helped to reduce the number of serious injuries, but insurance costs are still high and there are many workers who suffer from movement and stress related issues that decrease productivity and create costly medical claims. This course covers the basics of a novel yet proven solution to the problem, Integrated Worksite Health and Safety. The newly evolving field of Worksite Health Promotion will be discussed along with strategies to determine what issues need to be addressed in your workplace, how to select an appropriate program and the best practices required to ensure success of the chosen program.

Pre-requisites: Currently employed in HR or OHS, fitness or rehabilitation professional.

IWHS 501 - INTRODUCTION TO NUTRITION SCIENCE FOR THE WORKPLACE

This course covers the basics of nutrition for optimal health. Participants will learn the fundamentals of nutrition science and evidence-based diet therapies. The importance of nutrition in a healthy lifestyle and the impact of nutritional strategies on safety in the workplace will be emphasized.

Pre-requisites: Currently employed in HR or OHS, fitness or rehabilitation professional.

IWHS 502 - AN INTRODUCTION TO MOVEMENT SCIENCE FOR WORKSITE HEALTH AND SAFETY

The American Kinesiology Association defines Kinesiology as "the academic discipline which involves the study of physical activity and its impact on health, society, and quality of life". This course is an introduction to physical activity and movement science as they pertain to health and safety in the workplace. Students will become familiar with the components of physical activity including endurance, strength, agility, flexibility, and speed; the tools used to evaluate these components of physical fitness; and methods used to train for increased fitness. The effects of physical activity on various body systems will be discussed with an emphasis on the maintenance of health and prevention of injuries in the workplace.

Pre-requisites: Currently employed in HR or OHS, fitness or rehabilitation professional.

Contacts

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Program Summary

If you're not quite seeing the program that meets your needs here at Selkirk College, then perhaps you may want to explore creating your own Interdisciplinary Studies Diploma at Selkirk College. This diploma can have up to four concentrations listed on it.

Take a look through all of our program offerings here at Selkirk and decide on a combination of courses and disciplines that meet your learning and career goals best.

EXAMPLES OF INTERDISCIPLINARY STUDIES
- Business Administration
- Professional Management
- Business Administration
- Textiles

LOCATIONS
You do not have to complete this diploma on one campus only. Selkirk's Trail Campuses may have the right combination of programming for your Interdisciplinary Studies Diploma.

FEES
Please note that tuition and fees are subject to change based on your customized Educational Plan.

MORE INFORMATION
For more information, please read through the counsellor or the School Chair who oversees the particular courses that you are interested in using towards your custom-made Interdisciplinary Studies Diploma.
### Course of Studies

#### SEMESTER 1

<table>
<thead>
<tr>
<th>Course</th>
<th>Name</th>
<th>Credit</th>
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<tbody>
<tr>
<td>JEWL 101</td>
<td>Approaches in Metal: Introductory Fabrication</td>
<td>4</td>
</tr>
<tr>
<td>JEWL 103</td>
<td>Colour and Texture</td>
<td>2</td>
</tr>
<tr>
<td>JEWL 105</td>
<td>Hammer and Connect: Intermediate Fabrication Level I</td>
<td>4</td>
</tr>
<tr>
<td>JEWL 107</td>
<td>Sparkle and Shine: Introduction to Gemsetting</td>
<td>2</td>
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<tr>
<td>PPD 101</td>
<td>Drawing as a Basic Visual Communication</td>
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<tr>
<td>PPD 103</td>
<td>Design as a Basic Visual Language</td>
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<td>PPD 104</td>
<td>Introduction to Digital Design Applications</td>
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<td>Molten Metal: Introduction to Casting</td>
<td>4</td>
</tr>
<tr>
<td>JEWL 104</td>
<td>Product Design and Creation for Jewelry</td>
<td>2</td>
</tr>
<tr>
<td>JEWL 106</td>
<td>Explorations in Metal: Intermediate Fabrication Level II</td>
<td>4</td>
</tr>
<tr>
<td>JEWL 108</td>
<td>Jewelry Design Process</td>
<td>2</td>
</tr>
<tr>
<td>JEWL 110</td>
<td>Dynamic Metal Forming</td>
<td>2</td>
</tr>
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<td>PPD 111</td>
<td>Professional Practice and Design</td>
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<td>JEWL 112</td>
<td>Adding More Bling: Intermediate Gemsetting</td>
<td>1.5</td>
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<tr>
<td>JEWL 113</td>
<td>One of a Kind: Advanced Fabrication</td>
<td>3</td>
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<tr>
<td>JEWL 120</td>
<td>Self-Directed Studio 1</td>
<td>2</td>
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<td><strong>Total</strong></td>
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### Program Summary

Because of its power and meaning, people have been making and adorning themselves with jewelry for 100,000 years. Discover what is so intriguing about the creation of jewelry from traditional techniques through contemporary design.

We’ll help you explore your urge to create - and to develop the jewelry design and fabrication skills necessary for your career success. In a combination of classroom and studio workshops, you’ll learn the fundamental skills and metalsmithing techniques necessary to make jewelry. You’ll engage in class discussions, technical demonstrations and independent projects using traditional and non-traditional jewelers’ processes and materials.

Small class sizes provide opportunities for one-on-one attention. Explore this diverse field at Selkirk College and learn how to best create a niche for your own unique designs. All students registered in Kootenay Studio Arts programs take Drawing and Design courses as well as Professional Development and Practices courses. The Jewelry studio courses introduce students to jewelry fabrication, forming and casting techniques in non-ferrous metals as well as jewelry design processes to help you realize your own vision. The Jewelry studio courses also include specialized skills such as gem setting, findings, pricing and design for production.

Courses Include
- Casting and Findings
- Drawing and Design Process
- Gem Setting
- Jewelry Design Process and Construction
- Production Line
- Professional Development and Practices
- Raising and Forming

### Admission Requirements

In addition to meeting the general entrance requirements for admission to Selkirk College, an applicant must meet the following Kootenay Studio Arts programming (KSA) entrance requirements.

#### QUESTIONNAIRE

All applicants must complete and submit the following questionnaire at least one week prior to their scheduled interview date. The questionnaire helps us to understand the applicant’s interest and commitment to the studio program.

Submit the questionnaire and portfolio using the Kootenay Studio Arts online form at selkirk.ca/jewelry.

#### INTERVIEW

All applicants are required to participate in an interview with a program instructor from the Kootenay School of the Arts program. Telephone interviews will be arranged for those applicants who, because of distance, cannot attend in person. The interview is an opportunity for applicants to introduce themselves, present their work and discuss their interests within the arts. The instructor will assess the applicant’s preparedness for entry into the program and will ask about commitment, goals and expectations, design knowledge, experience and communication skills. It is also an opportunity for applicants to ask any questions they might have about the program and for faculty to recommend upgrading if necessary.
PORTFOLIOS
The portfolio is designed to assess your skill level to help instructors increase your chances of success in your studio program. KSA is looking for a demonstration of visual awareness, creativity and technical skill. The portfolio pieces may be of any medium and they need not be specific to studio preference.

PORTFOLIO GUIDELINES
- The number of pieces in an applicant’s portfolio will vary depending on the manner in which the applicant works. Generally, the admissions committee would like to see a minimum of six and a maximum of twenty-four pieces.
- Portfolios can be submitted by using the online form or mailed to Kootenay Studio Arts.
- Two-dimensional works may be presented in their original form. Three-dimensional pieces or any works on a large scale should not be brought to the interview but represented by slides or photographs.
- An applicant’s portfolio must be the applicant’s own original work. It can include variations and modifications of existing work.
- Applicants should organize their work and set it out so that it shows development over a period of time or group it according to type.
- Applicants should bring their workbooks and journals. School assignments and independent explorations will also be helpful to the Admissions Committee.
- Applicants must keep their presentations simple and neat. Work should not be matted or elaborately framed.

SUBMIT YOUR PORTFOLIO IN ONE OF THE FOLLOWING FORMATS
- Submit the portfolio using the Kootenay Studio Arts online form
- Portable storage device
- CD or DVD (JPEG format)
- Online portfolio (Tumblr, Behance, Flickr) emailed to arts@selkirk.ca
- Hard copy

HARD COPY PORTFOLIOS FOR TELEPHONE INTERVIEWS MAILED TO
Kootenay Studio Arts at Selkirk College
606 Victoria Street
Nelson, BC
V1L 4K9
Every precaution is taken to ensure that portfolios are handled with care. KSA does not accept responsibility for any loss or damage to submitted materials. All portfolios that the school has not been able to return to applicants by November 15 will be recycled.

Program Courses

JEWL 101 - APPROACHES IN METAL: INTRODUCTORY FABRICATION
In JEWL 101 Approaches in Metal: Introductory Fabrication, students are introduced to basic metallurgy and construction skills for jewelry, including soldering, sawing, filing and polishing non-ferrous metals. An emphasis is placed on personal health and safety, using techniques and equipment appropriate to a small studio practice.

JEWL 102 - MOLTEN METAL: INTRODUCTION TO CASTING
In Molten Metal: Introduction to Jewelry Casting, you will explore the sculptural side of jewelry through a variety of casting techniques and mold making. Create three-dimensional forms with molten metal using the ancient techniques of direct pour, cuttlefish, and lost wax casting.

JEWL 103 - COLOUR AND TEXTURE
Colour and Texture is an introduction to a wide variety of surface treatments and embellishments for jewelry, ranging from patinas to roller printing to keum boo. Create unique surface finishes to make your jewelry stand out. Emphasis is placed on small studio appropriate techniques, with a focus on environmentally sensitive alternatives. Where appropriate, historical context of processes will be discussed.

JEWL 104 - PRODUCT DESIGN AND CREATION FOR JEWELRY
Product Design and Creation for Jewelry allows you to delve into small studio production work to create a line of jewelry. Production techniques demonstrated include hydraulic press, etching, and electroforming. Combining these techniques with your fabrication, casting and surface treatment skills, you will design and create your own production jewelry, using techniques appropriate to a small studio practice.

JEWL 105 - HAMMER AND CONNECT: INTERMEDIATE FABRICATION LEVEL I
In Hammer and Connect: Intermediate Fabrication Level I, learners will build on the hand and construction skills introduced in JEWL 101. Techniques and processes explored will include cold connections, hollow construction, and basic forging. Jewelry design considerations will include functionality and findings such as bales, catches and earwires. An emphasis is placed on personal health and safety, using techniques and equipment appropriate to a small studio practice.

JEWL 106 - EXPLORATIONS IN METAL: INTERMEDIATE FABRICATION LEVEL II
Explorations in Metal: Intermediate Fabrication Level II is an in-depth investigation of more complex forms or series in jewelry. Expand your fabrication skills development through the design and creation of more challenging jewelry pieces in terms of design exploration, execution and finishing.

JEWL 107 - SPARKLE AND SHINE: INTRODUCTION TO GEMSETTING
Sparkle and Shine: Introduction to Gemsetting introduces learners to the exciting world of gemstones, and how to incorporate them into jewelry. Learn how to set cabochons, alternative materials and round, faceted stones in a variety of basic settings. Emphasis is placed on small studio appropriate techniques. Where appropriate, scientific and historical context of processes and materials will be discussed.

JEWL 108 - JEWELRY DESIGN PROCESS
In the Jewelry Design Process course, design elements will be reviewed and related directly to the design of jewelry through a series of exercises. Students will then apply these design skills to resolve design problems through the creation of projects that focus on small scale, functional and decorative metalwork. Emphasis will be on exploration of the design process and quality of the finished jewelry pieces.

JEWL 110 - DYNAMIC METAL FORMING
Using hammers and stakes to explore the malleability of precious metal sheet, Dynamic Metal Forming introduces you to the fundamentals of synclastic and anticlastic forming through the creation of technical samples and jewelry.

JEWL 112 - ADDING MORE BLING: INTERMEDIATE GEMSETTING
Add More Bling: Intermediate Gemsetting introduces students to more advanced and creative settings, allowing them to use a more exciting range of gemstones in their jewelry.
JEWL 113 - ONE OF A KIND: ADVANCED FABRICATION
In One of a Kind: Advanced Fabrication, students utilize fabrication, forming, gemsetting and other skills learned to date to design and create more sculptural, one of a kind jewelry suitable for exhibition or competition. Discussions of competition and gallery standards and expectations will help guide the design and creation of work suitable for submission to professional organizations.

JEWL 120 - SELF-DIRECTED STUDIO 1
Self directed studio-based exploration where students receive some mentorship. Personal areas of focus are proposed by students. Students develop individual choices and expressions with support and encouragement of faculty advisors.

PPD 101 - DRAWING AS A BASIC VISUAL COMMUNICATION
This is a basic drawing course designed to give students a background and experience in the fundamentals of drawing as a basic visual communication. Through exercises and assignments, the student will learn to use drawings as a tool to record a concept, manipulate, develop, communicate and refine those concepts.

PPD 103 - DESIGN AS A BASIC VISUAL LANGUAGE
To introduce students to the elements and principles of design through a series of two and three dimensional design projects which place an emphasis on creative problem solving. Critical analysis and discussion will have an important role in all aspects of developing a visual vocabulary. Throughout course projects and personal research, students will investigate the process of design and the relevance it has to their studio practice, and their personal development.

PPD 104 - INTRODUCTION TO DIGITAL DESIGN APPLICATIONS
Developed to compliment and expand the skill set of the traditional artist, Introduction to Digital Design Applications will introduce students to image creation and processing techniques using Adobe Photoshop and Adobe Illustrator. Emphasis will be placed on creative workflow, image file types, drawing and painting tools, colour correction and artistic exploration. Additional topics include the production of self-promotional materials for both print and web, and an introduction to 3D design options for both jewelry and clay production.

PPD 111 - PROFESSIONAL PRACTICE AND DESIGN
This course provides information to assist the emerging craftsperson, designer, and maker in developing skills for selling their work in a commercial context. A variety of approaches will cover three broad areas of study: management, business, and marketing.

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Contacts

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Program Contact
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LAURA WHITE
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Program Summary

Broaden your horizons with a second language.

PROGRAM OVERVIEW

Learning to understand and speak more than one language is considered an important part of a broad liberal arts and sciences education. Many universities encourage or require proficiency in a foreign language for students seeking degrees. Speaking another language can open the door to a myriad of possibilities here and abroad.

PROGRAM COURSES

Selkirk College offers the following beginner, intermediate and advanced French and Spanish language courses in either an on-line interactive format or face-to-face:

- FREN 102 - Beginner's French I
- SPAN 102 - Beginner's Spanish I
- FREN 103 - Beginner's French II
- SPAN 103 - Beginner's Spanish II
- FREN 112 - First-Year French I
- SPAN 112 - First-Year Spanish I
- FREN 113 - First-Year French II
- SPAN 113 - First-Year Spanish II
- FREN 122 - Contemporary French Language and Literature I
- SPAN 122 - Contemporary Spanish Language and Literature I
- FREN 123 - Contemporary French Language and Literature II
- SPAN 123 - Contemporary Spanish Language and Literature II

CAREER OPPORTUNITIES

The study of languages helps prepare you to work in many types of jobs. For example, you might major in a particular language and take a job either teaching that language, teaching English as a foreign language or teaching in a bilingual setting. Combining languages with the study of business can help prepare you for jobs in international commerce. Combining language with law studies could lead to a career in international law.

Among the very many professions which may be enhanced by knowledge of other languages are:

- Business
- Education
- Engineering
- Interpreting/Translating
- Journalism
- Law
- Medicine
- Music and Theater
- Social Work
- Tourism/Travel Industry

Contacts

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Program Contact
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Direct: 250.365.1205
Email: UAS@selkirk.ca

TRACY PUNCHARD
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Direct: 250.365.1318
Email: tpunchard@selkirk.ca
Law & Justice Studies
www.selkirk.ca/program/law-and-justice-studies

Year 1
The following is a suggested mix of courses to satisfy the graduation requirements for the Law and Justice Studies liberal arts diploma. Courses should be chosen only after consultation with School Chair.

**SEMESTER 1**

<table>
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**SEMESTER 2**

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**Year 2**

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<td>SOC 200</td>
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**SEMESTER 4**

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<td>PEAC 203</td>
<td>Introduction to Transformative Justice: Theory and Practice</td>
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<td>SOC 205</td>
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**Total** 15

**PROGRAM OVERVIEW**
The two-year Law and Justice Studies diploma program is designed to prepare you for a career in the legal profession. You will acquire the skills, training and support to strengthen your future career in a variety of legal professions including law, law enforcement, paralegal, criminology, advocacy, social justice and legal security.

As a graduate of this program you will be well situated to transfer your first two years of post-secondary study into a receiving institution of your choice to continue your legal studies and training. You will be of great service to any community you chose to work in after graduation, but most importantly, rural communities in need of greater access to justice for their citizens.

**CURRICULUM**
This program is learner focused and accountable to student needs through core courses designed for future legal studies, and a significant range of flexibility and choice. Legal professionals come from a broad range of academic backgrounds and law programs emphasize the importance of students pursuing their interests in undergraduate education with electives each year. Our unique curriculum includes conflict resolution, transformative justice and a focus on issues specific to legal systems in rural areas.

**COMMUNITY PARTNERSHIPS AND COLLABORATION**
Lawyers are fundamentally tied to their communities, especially in rural settings and our program will give you first-hand knowledge and experience of how that connection might look once you are finished your education through connection to local lawyers, judges and advocacy groups who are working every day to increase access to justice in our local region.
The average age of lawyers in Canada is over 50 years and as a result, we will soon be facing a shortage of lawyers across the country. This situation is even more critical in rural areas where the number of practicing lawyers is shrinking due to high rates of retirement. In response, there is a growing focus toward easing strain on the legal system in British Columbia through increased training and expansion of responsibilities for paralegals and incentives programs for rural legal professionals. By directly increasing the number of trained legal professionals with a rural background, our program is helping to solve the "Access to Justice" challenges facing our province today.

**Labour Market Demand**

Admn 272: Commercial Law

ADMN 272: Commercial Law is an introduction to law as it applies to business. The development of the courts and the machinery of justice will be outlined. It will be assumed that the student has no previous experience: building cultures of peace.

**Admission Requirements**

Applicants must have graduated from secondary school (or equivalent) and completed the following BC Provincial Curriculum courses (or their equivalents) with minimum marks as indicated:

- English 12 (minimum 80%)
- Foundations of Math 12 or Pre-calculus 11 (minimum 60%)
- Biology 12 or Chemistry 11 or Physics 11 (minimum 60%)

* Candidates who do not have all the program prerequisites should contact the Coordinator to see whether they may qualify for entry into the program.

**Program Courses**

**ADMN 272 - COMMERCIAL LAW**

ADMN 272: Commercial Law is an introduction to law as it applies to business. The development of the courts and the machinery of justice will be outlined. A study will then be made of torts and negligence, and of contracts including their formation, impeachment, breach, assignment and discharge. Methods of carrying on business such as employer/employee, proprietorship, partnership, agency and incorporation will be introduced and compared.

**Pre-requisites:** COMM 220 and ADMN 171 or equivalent with a grade of "C" or better.

**ANTH 201 - ETHNIC RELATIONS**

An introduction to the comparative study of "race" and ethnic relations from local to international contexts. The course explores social stratification according to race and ethnicity and looks at the motivations and consequences of such classifications and their relationships to other forms of stratification.

**Pre-requisites:** ANTH 100 or ANTH 101 recommended; ENGL 12 or equivalent with a grade of "C" or better.

**ENGL 110 - COLLEGE COMPOSITION**

English 110 is about thinking and writing. You will learn how to develop and express informed opinions on issues that matter. You will also learn about research, editing, and expository and persuasive academic writing forms.

**Pre-requisites:** A "C" or better in ENGL 12 or equivalent or LPI level 4 or written permission of the Instructor and School Chair.

**ENGL 111 - INTRODUCTION TO LITERATURE**

English 111 is about living more intensely. Rather than providing answers, literature prompts us to ask better questions of ourselves and each other. Drama, poetry, short stories, and novels will guide us in discussion, reflection, and writing about literature.

**Pre-requisites:** ENGL 110 with a grade of "C" or better or equivalent, or written permission of the Instructor and School Chair. Note: English 112/114 is intended for students interested in a literary focus.

**ENGL 120 - RURAL LEGAL ISSUES I**

LAW 120 - Rural Legal Issues I is designed to introduce students to the legal and justice professions. Information on the branches of law and justice, and the work conducted by practicing professionals is provided. The course includes field trips and guest lectures by practicing lawyers and other professionals.

**Pre-requisites:** English 12 with a grade of "C" or better, or written permission of the Instructor and School Chair.

**LAW 121 - RURAL LEGAL ISSUES II**

LAW 121 - Rural Legal Issues II is a continuation of LAW 120. Students broaden their understanding of issues related to the legal and justice professions.

**LAW 122 - RURAL LEGAL ISSUES III**

LAW 122 - Rural Legal Issues III builds on LAW 120 and 121 with an emphasis on professionalism.

**LAW & JUSTICE STUDIES ELECTIVE**

This is the recommended list of elective options for a student studying in the Law and Justice Studies program.

- HIST 104 - Canada Before Confederation
- HIST 105 - Contemporary Canada
- HIST 203 - A History of British Columbia
- ANTH 100 - Introduction to Anthropology I
- ANTH 101 - Introduction to Anthropology II: Cultural Anthropology
- WS 100 - Women's Studies I
- WS 101 - Women's Studies II
- ENGL 203 - Canadian Literature II: Contemporary Voices
- GEG 140 - Introduction to Cultural Geography
- COMM 220 - Principles of Organizational Behaviour
- RFW 251 - Environmental Legislation and Policy
- STAT 105 - Introduction to Statistics
- ECON 106 - Principles of Macroeconomics
- ECON 107 - Principles of Microeconomics
- PSYC 100 - Introductory Psychology I

**PEAC 100 - PEACE STUDIES I**

PEAC 100: Peace Studies I is an interdisciplinary and values-based course that is the first of two introductory core courses in Peace Studies. Readings will include United Nations documents, as well as essays and excerpts from the writings of philosophers, anthropologists, psychologists, and peace researchers. Students will thus gain familiarity with literature addressing a broad range of past and current theories and discourse related to peace and conflict. Through their own reflection and working collaboratively in groups, students will have the opportunity to move from theory to practice in one of the most challenging issues of humanity’s collective experience: building cultures of peace.

**Pre-requisites:** English 12 with a grade of "C" or better, or written permission of the Instructor and School Chair.

**www.selkirk.ca/programs**
PEAC 101: Peace Studies II is the second of two introductory core courses in Peace Studies at Selkirk College. This course will focus on traditional and non-traditional approaches to Conflict Resolution. Students will be introduced to general principles and key concepts in arbitration, negotiation, mediation and nonviolent resistance; as well as alternative dispute resolution methods, such as Nonviolent Communication, Peacemaking Circles, Conflict Transformation, and Conflict Free Conflict Resolution. Students will practice identifying, analyzing, role playing, mapping, and peacefully resolving or transforming conflicts that range from the interpersonal to the international.

**Pre-requisites:** English 12 with a grade of "C" or better, or written permission of the Instructor and School Chair. PEAC 100 recommended.

PEAC 201: From Water to Chocolate: Environment, Conflict and Justice

PEAC 201: From Water to Chocolate: Environment, Conflict and Justice is an examination of selected global political-ecological issues, including conflict minerals, child slavery, climate change, and water wars; as well as the power and potential of various pathways to peace, including nonviolent direct action. Indigenous solidarity, fair trade, international accompaniment, ecological restoration, and environmental peacebuilding.

**Pre-requisites:** Second year standing or written permission of the Instructor and School Chair.

PEAC 203: Introduction to Transformative Justice: Theory and Practice

PEAC 203: Introduction to Transformative Justice: Theory and Practice explores the theory and practice of transformative justice. Themes include retribution, punishment and deterrence; Indigenous approaches to justice; trauma and healing; shame and empathy; community, belonging, forgiveness, and reconciliation. These are explored at a variety of scales, from the interpersonal to the global, and in various contexts — from the Canadian criminal justice system to transitional justice following war, apartheid, or colonial subjugation. Students will gain familiarity with the applied practices of victim-offender mediation, family-group conferencing, peacemaking circles, and truth and reconciliation commissions; and also learn how restorative practices are being used in environmental contexts and in our schools.

**Pre-requisites:** English 12 or equivalent with a grade of "C" or better, or recommended PEAC 100 and 101.

PHIL 120: Introduction to Logic and Critical Thinking

PHIL 120: Introduction to Logic and Critical Thinking is designed to improve students’ ability to reason well. Students will study the nature, structure, and purpose of valid arguments, identify common fallacies and mistakes, and determine when to use various forms of reasoning (e.g., deductive, inductive, and abductive). Students will sharpen their understanding of these concepts by analyzing and assessing arguments in the courts, news, and other contemporary media.

**Pre-requisites:** English 12 with a grade of "C" or better or written permission of the instructor and School Chair.

SOC 120: Introductory Sociology I

This course is an introduction to the discipline. The sociological perspective is examined, along with the associated concepts and methods. Attention is directed to major areas such as culture, socialization, stratification and deviance. Students have an opportunity to research topics of interest.

**Pre-requisites:** ENGL 12 or equivalent with a grade of "C" or better or written permission of the Instructor and School Chair.

SOC 121: Introductory Sociology II

This course examines the social life as it occurs in families, formal organizations, religion, political movements and other social systems. Student research projects are part of the course.

**Pre-requisites:** SOC 120 or written permission of the Instructor and School Chair.

SOC 200: Deviance and Social Control

The processes by which some behaviour comes to be identified as deviant and the social means of control of such behaviour through the criminal justice system are examined analytically. This course transfers as a first year criminology course to institutions offering criminology degrees.

**Pre-requisites:** ENGL 12 or equivalent with a grade of "C" or better or written permission of the Instructor and School Chair.

SOC 205: Introduction to Social Research

Sociology 205: Introduction to Social Research introduces students to research methods in the social sciences. Students will be introduced to the major procedures for carrying out systematic investigation of the social world. The course will encourage students to critically evaluate the methods, strategies and data that are used by social scientists and provide training in analysis of a range of qualitative and quantitative data.

**Pre-requisites:** Second year standing.
Program Summary

Explore the possibilities.
You can choose from over 100 fully transferable university courses in arts and sciences to match your interests and degree path.
You can take one course at a time or select a full two years’ worth of credits to transfer directly into three- and four-year university degree programs within BC, Canada and abroad. By successfully completing 60 credits (about two full years of study, or 20 courses) you’ll be eligible for the liberal arts and science diploma providing you have a GPA of 2.00 or higher and at least one course is English. Check the admission requirements for full details.
If the 60 credits you earn meet the flexible pre-major agreement in either sociology, then you can transfer seamlessly into a third year major’s program at any BC university, provided that all other entrance requirements are met.
Successful course and/or program completion allows you to transfer into university degree programs such as the bachelor of arts (BA), bachelor of fine arts (BFA) and bachelor of science (BSc), including engineering:
  – Anthropology
  – Astronomy
  – Computer science
  – Creative writing
  – Economics
  – French
  – Geology
  – History
  – Mathematics
  – Sociology
  – Statistics
  – Women’s studies

Contacts

UNIVERSITY ARTS & SCIENCES ADMISSIONS
Admissions Officer (Castlegar)
Phone: 1.888.953.1133 ext 21233
Direct: 250.365.1233
Email: admissions@selkirk.ca

UNIVERSITY ARTS & SCIENCES
Program Contact
Phone: 1.888.953.1133 ext 21205
Direct: 250.365.1205
Email: UAS@selkirk.ca

TRACY PUNCHARD
School Chair of UAS; Instructor, English
Phone: 1.888.953.1133 ext 21318
Direct: 250.365.1318
Email: tpunchard@selkirk.ca

LENGTH OF STUDY:
2 Years

ACCREDITATION:
Diploma

CAMPUS:
Castlegar Campus
**Skills you will acquire in a math degree**

– Apply quantitative knowledge and reasoning

– Define and focus a quantitative problem

– Design/use computer simulations

– Develop mathematical models and theories

– Observe, define and exploit patterns

**CAREER OPPORTUNITIES**

– Mathematical/Scientific Researcher

– Statistician

– Financial Analyst

– Accountant

– Teacher/Professor

– Software Engineer

– Technical Consultant

**ADDITIONAL RESOURCES**

We offer math refresher classes the week before classes start each fall semester.

The MATH 100 - Review Package will assist you in reviewing materials covered in your senior high school math courses.
Medical Transcription, Editing and Documentation

Course of Studies

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<tr>
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<td>Principles of Medical Transcription and Healthcare Documentation</td>
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<td>MTED 111</td>
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**Program Summary**

The Medical Transcription, Editing and Documentation Program provides supported online training for employment in a variety of health care fields or as an independent contractor in a home-based business.

**ONLINE PROGRAM BENEFITS**
- Flexible schedule
- Focus on new technology
- Smooth transition to the workplace
- Freedom to study anywhere

Working as an online student enables you to choose the work environment that best suits your personal needs while being supported by instructors and other students. You can complete the required courses in our computer lab on site, or from home through distance education and choose between full or part-time study.

**PROFESSIONAL TRAINING**

Selkirk College is an educational member of the Association for Healthcare Documentation Integrity (AHDI). The MTED Program at Selkirk College follows AHDI’s recommendations for curriculum and uses the AHDI Book of Style to meet industry standards.

The Medical Transcription, Editing and Documentation Program encourages you to develop critical thinking and decision-making skills while applying appropriate medical terminology to each transcribed document. The program will help you develop your listening ear. You will transcribe authentic medical dictation, which includes a variety of report types with challenging accents and varying dictation styles, to industry standards. You will be required to meet or exceed employer expectations during the 3-week preceptorship at the end of the program.

**CONSIDER MEDICAL TRANSCRIPTION IF YOU**
- Are detail-oriented
- Communicate well with strong grammar, spelling and punctuation skills
- Have good computer knowledge
- Are able to type accurately and quickly
- Have strong internet research skills
- Are adept at time management
- Enjoy working independently

If you enjoy daily challenges and working with new technology, this 9-month (plus 3-week preceptorship) fully online medical transcription program is designed to equip you with the skills necessary to meet the needs of the medical community for medical transcriptionists.

**CAREER OPPORTUNITIES**
Job growth in the health care industry is solid and this extends to the field of medical transcription. Professionals in this specialized field are in high demand. With a Medical Transcription, Editing and Documentation certificate, graduates have been successful in obtaining employment with online medical transcription companies, hospitals and medical clinics. Many have gone on to work as editors, quality assurance specialists, supervisors and teachers. Medical transcriptionists also have the opportunity to provide technical support as consultants.

**Admission Requirements**

**GRADE 12 GRADUATION OR EQUIVALENT**
- Official transcripts from high school or post-secondary institutions (mailed directly from the Ministry of Education and educational institutions).
- For applicants who completed high school in BC you can order transcripts online from the Ministry of Education. For other provinces, please check with your local Ministry of Education or past high school. Please note that you must submit official transcripts and educational documents to support your application; unfortunately, we cannot accept photocopies or fax versions.
- English 10 or equivalent with C+ or better

**KEYBOARDING SPEED OF 40 WPM**
- a Selkirk College supervised 5 minute typing test or a transcript from a typing/keyboarding course showing 40 nwpm obtained. To set up an appointment or for more information contact Paris Voykin at pvoykin@selkirk.ca.

**COMPUTER SKILLS**

Computer skills will be required for this program. Necessary skills include: knowledge of internet, email, word processing and file management. You are encouraged to complete the Computer Skills Self Assessment.

**COLLEGE READINESS TOOL (CRT)**
- The College Readiness Tool (CRT) must be completed prior to starting the program. If you have completed this assessment previously at Selkirk, it’s not necessary to do it again. For more information regarding the CRT, please see http://selkirk.ca/services/crt
Application Information

Please make sure you meet all admission requirements, including the general admission requirements for the college and the specific admission requirements for your chosen program (these are listed in each program area)

- International Students (students who are applying to Selkirk College from locations outside of Canada) should follow the application steps required by Selkirk International.
- Fill out an application form. Learn more about the admission requirements.
  The admission requirements must be submitted by mail, email, or fax to:
  Selkirk College Distance Admissions
  301 Frank Beinder Way
  Castlegar BC, V1N 4L3
  Send an email.
  FAX: 250.365.3929

When all required documents are received and prerequisites have been met, your application file will be reviewed. You will receive an acceptance letter for the next available program intake and instructions to pay a seat deposit to secure a seat.

Program Courses

MTED 100 - MEDICAL TERMINOLOGY I
Learners complete an introductory study of the construction of medical terms including root words, suffixes and prefixes relating to the various body systems.
Prerequisites: Admission to the Medical Transcription, Editing, and Documentation Program

MTED 101 - MEDICAL TERMINOLOGY II
Learners study anatomy and physiology of the main body systems. Learners will learn the word parts, abbreviations, prefixes, suffixes, disease process and treatments relating to terminology specific to each body system, including disease processes and treatments. Learners will correctly pronounce medical terms relating to terminology specific to each body system.
Prerequisites: MTED 100 - Medical Terminology I

MTED 102 - MEDICAL TERMINOLOGY III
In this 30-hour, 1 week course, MTED 102 Medical Terminology III, learners complete a study of the construction of medical terms including root words, suffixes, prefixes, disease processes, and treatments relating to pharmacology and the specialties of oncology, radiology and nuclear medicine and psychiatry.
Prerequisites: MTED 100 - Medical Terminology I MTED 101 - Medical Terminology II

MTED 110 - PRINCIPLES OF MEDICAL TRANSCRIPTION AND HEALTHCARE DOCUMENTATION
Learners are introduced to the medical transcription profession and the foundational knowledge, skills and attitudes required to be successful transcriptionists and editors. Fundamental computer systems, technology, and word processing techniques specific to medical transcription are discussed. Students learn the basic components of medical reports and begin to apply formatting guidelines consistent with the Book of Style (BOS). The basics of medical terminology including word building, jargon, abbreviations and word confusion are applied in learning activities and assignments. Learners begin to proofread and edit medical documents for accuracy.
Prerequisites: Acceptance to Medical Transcription, Editing and Documentation Program Corequisites: MTED 100, MTED 101

MTED 111 - SURGERY, PHARMACOLOGY AND DIAGNOSTICS
This course introduces the general concepts of surgery, pharmacology, and diagnostics. Participants learn component parts of the surgical process, types of surgical procedures, and associated terminology. The foundations of pharmacology including drug administration (drug forms, routes, dosage, and frequency), drug classifications, and nomenclature for transcribing are introduced. The foundations of diagnostic testing including common laboratory tests and imaging methods are introduced with associated terminology and abbreviations
Prerequisites: MTED 100, MTED 110 Corequisites: MTED 101

MTED 112 - FUNDAMENTALS OF MEDICAL SPECIALTIES
Using a body systems model, learners examine normal anatomy and physiology and common diseases / disorders associated with each system. Learners build on their foundational knowledge of diagnostic procedures and pharmacology for each body system and apply this knowledge during transcription and speech editing exercises designed for beginning medical transcriptionists with an emphasis on accuracy.
Prerequisites: MTED 100, MTED 110, MTED 111 Corequisites: MTED 101

MTED 114 - TRANSCRIPTION SPEED AND ACCURACY I (BASIC)
MTED 114 Transcription Speed and Accuracy I (Basic) provides learners with the opportunity to transcribe and proofread beginner level medical dictation using thePoint® online platform. Learners have access to approximately 1000 minutes of dictation from a wide variety of medical specialties and use MS Word to format medical documents to beginner medical transcriptionist/editor proficiency.
Prerequisites: MTED 112 - Fundamentals of Medical Specialties

MTED 116A - KEYBOARDING
MTED 116A: Keyboarding skills are introduced, developed, and continually reinforced. Correct finger positioning, speed, and accuracy are emphasized with key drills, speed drills, and positional reinforcement drills. The Online Lab provides a streamlined and current approach to mastering life-lone keyboarding skills with 1-minute, 3-minute, and 5-minute timings build speed and assess student progress. Pretest timings provide measure of student readiness for coursework and posttest timings measure student-keyboarding success.
Prerequisites: Admission to the MTED Program

MTED 116B - KEYBOARDING
MTED 116B: is a continuation of keyboarding skills introduced in MTED 116A with an emphasis on speed, and accuracy. The Online Lab provides a streamlined and current approach to mastering life-lone keyboarding skills with 1-minute, 3-minute, and 5-minute timings build speed and assess student progress. Pretest timings provide measure of student readiness for coursework and posttest timings measure student-keyboarding success.
Prerequisites: MTED 116A - Keyboarding

MTED 124 - TRANSCRIPTION SPEED AND ACCURACY II (INTERMEDIATE)
MTED 124 Transcription Speed and Accuracy II (Intermediate) provides learners with the opportunity to transcribe and proofread intermediate level medical dictation using thePoint® online platform. Learners have access to approximately 1200 minutes of dictation from a wide variety of medical specialties and use MS Word to format medical documents to intermediate medical transcriptionist/editor proficiency.
Prerequisites: MTED 114 - Transcription Speed and Accuracy I
MTED 130 - SPEECH RECOGNITION AND EDITING

MTED 130: This course introduces students to the practice and science of speech recognition and editing technology in health care. Students develop basic and advanced skills using the 3M ChartScript platform consisting of authentic speech recognized drafts from actual physicians.

Prerequisites: MTED 134 - Transcription Speed & Accuracy III Corequisites: MTED 116B - Keyboarding

MTED 142 - PRECEPTORSHIP

MTED 142: This course provides an opportunity for students to consolidate and apply the knowledge and skills they have acquired during the program in either a face-to-face or online setting. Students experience the requirements of professional practice under the guidance of a preceptor. Completion of 100 hours of practice prepares students for the transition to working in the industry upon graduation.

Prerequisites: MTED 130 - Speech Recognition and Editing

Contacts

DISTANCE ADMISSIONS
Program Contact
Direct: 250.365.1425
Email: distanceadmissions@selkirk.ca

ESTHER STORVOLD
Instructor, Medical Transcription, Editing and Documentation
Phone: 250.368.5034
Direct: 250.368.5034
Email: estorvold@selkirk.ca

TERESA PETRICK
School Chair, Health and Human Services
Phone: 250.365.7292 ext 21442
Direct: 250.365.1442
Email: tpetrick@selkirk.ca
Course of Studies

<table>
<thead>
<tr>
<th>SEMESTER 1</th>
<th>Course</th>
<th>Name</th>
<th>Credit</th>
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<tbody>
<tr>
<td></td>
<td>ADD 384</td>
<td>Addictions Theory and Practice</td>
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<th>Course</th>
<th>Name</th>
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<td>HSER 257</td>
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<tr>
<td></td>
<td>HSER 600</td>
<td>Motivational Interviewing - Brief Interventions and Support Strategies Workshop</td>
<td>On Campus</td>
</tr>
</tbody>
</table>

Length of Study:
3 Terms

Accreditation:
Associate Certificate

Campus:
Castlegar Campus

Admission Requirements

Degree or Diploma in Human Services or a Related Field
- Evidence of graduation (diploma or transcripts)
- Name of Program and Institution
- Copy of resume that summarizes training and work experience

OR

A Certificate in Human Services or a Related Field
- 2 years of subsequent work in the Human Service field
- 2 letters of reference
- Computer literacy
- Copy of resume that summarizes training and work experience

OR

No Post-Secondary or Related Field Education
- Five years of work in the field
- 2 letters of reference (one or more must present proof of five years work in the field)
- A two page, double spaced letter of application, outlining your interest in this certificate and demonstrating your writing skills
- Completion of an LPI (Language Proficiency Index score of 4 or better)
- Computer literacy
- Copy of resume that summarizes training and work experience

Program Summary

If you are already studying or working in the human service or health care fields, you can earn an associate certificate in Mental Health and Addictions to take your career to a new level. Focused on the specific needs of clients coping with mental health and substance use challenges, you’ll be ready for a variety of workplace settings and challenges.

Flexible Learning
In this program, you will complete two online courses that examine current research about the causes and treatment of mental health and substance use challenges for marginalized populations and participate in a two day experiential workshop focused on motivational interviewing skills.

This certificate is designed for those who wish to focus their practice in the area of Mental Health and Addictions and may be of interest to:
- Human Services students
- Human Services workers
- Degree holders looking for work-related skills and/or credentials
- Nurses wishing to practice in the area of Mental Health and Addictions

Careers

Upon graduation from our associate certificate program, you’ll have skills and knowledge necessary to focus your practice in Mental Health and Addictions. Employment options include:
- Drop-in and Outreach Programs
- Community Liaison, Education and Support
- Group Homes and Adult Shelters
- Child and Youth Support and Outreach
- Social Services Programs
- Tenant Support and Shelter Resources
- Employment Counselors and Resource Centres
- Alcohol and Drug Treatment Facilities
- Advocacy Programs

You can receive transfer credit for the theory courses from the University of Victoria and Thompson Rivers University.
Application Information

- Fill out general application form
- Please make sure you meet all admission requirements, including the general admission requirements for the college and the specific admission requirements for your chosen program (these are listed in each program area)
- International Students (students who are applying to Selkirk College from locations outside of Canada) should follow the application steps required by Selkirk International
- You may be required to submit two letters of reference based on admission qualifications (these can be found in the Application Package link below)

Download the Mental Health and Addictions Associate Certificate Application at selkirk.ca/mental-health-addictions

Program Courses

ADD 384 - ADDICTIONS THEORY AND PRACTICE
ADD 384: Addictions Theory and Practice is designed to provide students with an overview of current and emerging research/expertise in the field. The course will cover diverse definitions and understandings of addiction, as informed by current findings in the fields of neuroscience and social science. Pharmacology basics and the biological, psychological, social, spiritual and environmental dimensions of addiction will be reviewed from a number of perspectives. Current research on attachment, trauma and brain development will be examined in relation to addiction from both developmental and environmental perspectives. A critical examination of the link between policy and practice provides context for the emergence of recovery strategies such as harm reduction and motivational techniques. Special attention will be given to the role of colonization and stigma as it is experienced through ethnicity, gender and culture, and the important role of advocacy in this context.

Transfer Credit: This course is included in the block transfer agreement between Royal Roads University and Selkirk College which allows Selkirk ADRPM students entry into the 4th year of the Royal Roads BSc Degree.

Course Change: Information contained in this course outline is correct at the time of publication. Content of the course is revised on an ongoing basis to ensure relevance to changing educational, employment and market needs. The instructor will endeavor to provide notice of changes to students as soon as possible. The instructor reserves the right to add or delete material from courses.

Pre-requisites: 3rd year standing in Advanced Diploma in Rural Pre-Medicine (ADPRM) OR 3rd year standing in Bachelor of Science in Nursing (BSN) OR enrollment in Mental Health and Addictions Associate Certificate OR ADD 184 OR Permission of the Instructor.

HSER 257 - MENTAL HEALTH ISSUES: PRACTICAL RESPONSES
This course provides instruction in a variety of rehabilitative and treatment modalities used in work with marginalized populations. Attitudes toward mental health and substance use problems and how they impact helper effectiveness are explored in a supportive milieu. Evidence-based practices such as Psychosocial Rehabilitation and Harm Reduction are used as frameworks for the development of skills and knowledge. Students are introduced to strategies for overcoming stigma and supporting client empowerment in a variety of community and facility settings.

Pre-requisites: ENGL 12 or equivalent

HSER 600 - MOTIVATIONAL INTERVIEWING - BRIEF INTERVENTIONS AND SUPPORT STRATEGIES WORKSHOP
This 12-hour lecture format experiential workshop is designed to provide practitioners and students with basic Motivational Interviewing Skills in order to enhance the effectiveness of their work with mental health, addiction and concurrent problems in a variety of settings. Motivational Interviewing is a collaborative, person-centered form of guiding to elicit and strengthen motivation for change.

Miller, W. R., & Rollnick, S. (2013). Guilford Press: The focus is on helping people to explore and resolve ambivalence. It is both supportive and goal-directed, and complements most theoretical approaches and styles in the helping professions. This has 2 six hour modules face-to-face.

Pre-requisites: ENGL 12 or equivalent

Contacts

RACHEL WALKER
Admissions Officer
Phone: 1.888.953.1133 ext 21233
Email: rwalker@selkirk.ca

TERESA PETRICK
School Chair, Health and Human Services
Phone: 250.365.7292 ext 21442
Direct: 250.365.1442
Email: tpetrick@selkirk.ca

MENTAL HEALTH & ADDICTIONS
selkirk.ca/mental-health-addictions
Metal Fabricator Foundation

LENGTH OF STUDY
23 Weeks

ACCREDITATION:
Technical Training

CAMPUS:
Silver King Campus, Nelson

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Program Summary

This 23-week program prepares learners for entry level positions as metal fabricators employed in fabrication shops associated with manufacturing, shipbuilding, forestry, mining, construction, transportation and oil and gas industries.

Students engage in a variety of classroom and shop activities. They learn theoretical principals of the trade in the classroom and then apply their knowledge in the shop where they master the skills employed in the fabrication of steel structures, vessels, containers and equipment.

Students earn Level One technical training credit towards the Metal Fabricator apprenticeship. Additionally, graduates of the program receive credit for 450 work-based hours of the practical on-the-job component of the metal fabricator apprenticeship.

Graduates of the Metal Fabricator Foundation Program at Selkirk College may find employment as apprentice metal fabricators engaged in the fabrication of buildings, bridges, ships, boilers, vessels, containers and heavy equipment.

Selkirk College offers Metal Fabricator (Fitter) technical foundation training in cooperation with the Industry Training Authority (ITA). The Foundation Program consists of Level 1 technical training in addition to practical and essential skills related to the Metal Fabricator (Fitter) apprentice program.

PRACTICAL TRAINING
- Reading drawings and blueprints
- Materials burning and welding
- Metallurgy
- Plate and structural pattern development, section fabrication and layout techniques
- Safe work practices
- Surface prep and finishing methods
- Trade math solutions
- Trade tool and shop equipment usage

Metal Fabrication is also an excellent program for welders to expand on their skills and increase employment options in the industry across Canada.

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YOUTH TRAIN IN TRADES

The Industry Training Authority.

For more information speak with your high school guidance counsellor or get in touch with Selkirk College's Industry and Trades administrative assistant.

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Admission Requirements

The following admission requirements are specific to the Metal Fabricator Foundation Program.

- Graduation from a British Columbia Senior Secondary School or equivalent
- Foundations & Pre-Calculus 10, or Apprenticeship Workplace 11, or Principles 10, or Applications 11, or Essentials 12, or Selkirk ABE Math 46, with a grade of "C" or better
- English 10 with a "C" or better
- Consideration will be given to mature individuals (19 years or older) who are not Senior Secondary School graduates, provided they are working to complete the recommended education:
  - Grade 10 or equivalent including English 10, Mathematics 10 and Science 10
  - Grade 12 preferred

Students must supply some hand tools, safety boots, leatherwear and purchase module texts at a cost of approximately $600. A refundable tool deposit of $100 will be required at the start of the program.

READY TO APPLY?

- Please make sure you meet all admission requirements, including the general admission requirements for the college.
- International Students (students who are applying to Selkirk College from locations outside of Canada) should follow the application steps required by Selkirk International.
Program Summary

This 36-week program prepares learners for entry level positions as apprentice millwrights (Industrial Mechanic) and as apprentice machinists with manufacturing firms and resource development firms. Students engage in a variety of classroom and shop activities. They learn principals of both trades in the classroom and then apply their knowledge in the shop where they fabricate, install and maintain industrial tools, machines and equipment to exacting standards of precision.

Graduates of the Millwright Machinist Foundation Program at Selkirk College earn Level 1 and Level 2 technical training credit towards the millwright apprenticeship as well as Level 1 technical training credit towards the machinist apprenticeship. Additionally, graduates of the program have the option to claim advanced credit for either 325 work-based hours of the practical on-the-job component of the millwright apprenticeship or 500 work-based hours of the practical on-the-job component of the machinist apprenticeship.

Graduates of the Millwright Machinist Foundation Program at Selkirk College typically find employment as apprentice millwrights engaged in the operation and maintenance of machines and systems in manufacturing plants, resource development firms, mines, mills and various industrial enterprises. Apprentice machinists are typically employed to set up, calibrate, program and operate sophisticated machine tools in a variety of industrial environments.

PRACTICAL TRAINING: MILLWRIGHT
- Earn Level 1 and Level 2 training credit for your Millwright Apprenticeship.
- Earn advanced credit for 425 work-based hours.
- Operate and maintain systems and machines.

PRACTICAL TRAINING: MACHINIST
- Earn Level 1 credit for your Machinist Apprenticeship.
- Earn advanced credit for 500 work-based hours.
- Work in a variety of industrial environments.

Admission Requirements

The following admission requirements are specific to the Millwright/Machinist Program.

- Graduation from a British Columbia Senior Secondary School or equivalent
- Foundations & Pre-Calculus 10, or Apprenticeship Workplace 11, or Principles 10, or Applications 11, or Essentials 12, or Selkirk ABE Math 46, with a grade of "C" or better
- Consideration will be given to mature individuals (19 years or older) who are not Senior Secondary School graduates, provided they have completed or are in the process of obtaining one of the above prerequisites with a “C” grade or better (This course must be completed prior to the program entry date).
- Employers may require higher level of Math as part of their hiring policies.
- A refundable tool deposit of $100 will be required at the start of the program.

READY TO APPLY?

- Please make sure you meet all admission requirements, including the general admission requirements for the college.
- International Students (students who are applying to Selkirk College from locations outside of Canada) should follow the application steps required by Selkirk International.
- Learn more about applying to Selkirk in person, by mail or online.

YOUTH TRAIN IN TRADES
The Industry Training Authority.

For more information speak with your high school guidance counsellor or get in touch with Selkirk College's Industry and Trades administrative assistant.

Program Courses

- MILMAC 150 - Introductory Millwright/Machinist
- MILMAC 160 - Intermediate Millwright/Machinist
- MILMAC 170 - Advanced Millwright/Machinist

Contact Information

TRADES ADMISSIONS
Registration Phone: 1.888.953.1133 ext 13204
Direct: 250.354.3204
Fax: 250.352.3180
Email: trades@selkirk.ca

INDUSTRY AND TRADES
Program Contact Phone: 1.888.953.1133 ext 13221
Direct: 250.354.3221
Fax: 250.352.3180
Email: trades@selkirk.ca

ROB SCHWARZER
School Chair Phone: 250.352.6601 ext 13212
Direct: 250.354.3212
Email: rschwarzer@selkirk.ca
Core Year (Year 1)
The Music and Technology program at Selkirk College is a two-year diploma program developed to train musician performers for the commercial music and entertainment industry. The curriculum is based on the most relevant and up to date music industry standards.

Selkirk College’s music program is Canada’s first and only school that offers performance, engineering, and composition in a two-year program. It’s also the only program where students can play more than just classical or jazz. It is truly a contemporary music program.

<table>
<thead>
<tr>
<th>Semester 1 Course</th>
<th>Name</th>
<th>On Campus</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUSC 150</td>
<td>Private Lesson I</td>
<td></td>
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</tr>
<tr>
<td>MUSC 154</td>
<td>Basic Keyboard I</td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>MUSC 158</td>
<td>Ensemble I</td>
<td></td>
<td>2</td>
</tr>
<tr>
<td>MUSC 160</td>
<td>Computer Applications to Music I</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>MUSC 162</td>
<td>Instrumental Lab I</td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>MUSC 165</td>
<td>History of Jazz</td>
<td></td>
<td>2</td>
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<tr>
<td>MUSC 170</td>
<td>Arranging I</td>
<td></td>
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<tr>
<td>MUSC 174</td>
<td>Contemporary Harmony I</td>
<td></td>
<td>2</td>
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<tr>
<td>MUSC 180</td>
<td>Ear Training I</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>MUSC 100</td>
<td>MUSIC FORUM</td>
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<td>Private Lesson II</td>
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<tr>
<td>MUSC 155</td>
<td>Basic Keyboard II</td>
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<td>MUSC 159</td>
<td>Ensemble II</td>
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<td>2</td>
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<tr>
<td>MUSC 161</td>
<td>Computer Applications to Music II</td>
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<td>MUSC 163</td>
<td>Instrumental Lab II</td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>MUSC 164</td>
<td>History of Rock</td>
<td></td>
<td>2</td>
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<tr>
<td>MUSC 171</td>
<td>Arranging II</td>
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<tr>
<td>MUSC 175</td>
<td>Contemporary Harmony II</td>
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<td>MUSC 100</td>
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<tr>
<td></td>
<td><strong>Total</strong></td>
<td></td>
<td><strong>17.5</strong></td>
</tr>
</tbody>
</table>

Program Summary
The Selkirk College Music Program has been preparing students for the commercial music and entertainment industry for over 25 years.

A diverse cross-section of musical styles is offered allowing students to explore the best that each genre has to offer from rock and blues, to jazz, folk and world music.

Develop Your Skills
- Performance
- Improvisation
- Songwriting
- Composition
- Film Scoring
- Recording
- Live Sound Mixing

Program Overview
The Contemporary Music & Technology program at Selkirk College is a two-year diploma program developed to train musicians for the commercial music and entertainment industry. It’s the only program in Canada based on the world renowned Berklee College of Music curriculum and its guiding principle that the best way to prepare students for careers in music is through the study and practice of contemporary music. For graduates of jazz and classical programs, Selkirk College can offer the technology training and popular music concepts they might be missing in order to become more employable.

The Contemporary Music & Technology program trains musician performers for the commercial music industry. The curriculum includes individual instruction on guitar, voice, bass, drums, saxophone, violin, and keyboards, as well as a solid grounding in music theory and ear training. Individual and ensemble instruction and practice is offered throughout both years of the program. Rock, blues, jazz, folk and world music are the primary instructional styles.

Study your instrument and related skills in the first year and choose a major in the second. An initial core year that provides solid grounding in music theory and ear training is followed by one of six program majors:
- Core (Year 1)
- Performance (Year 2)
- Production (Year 2)
- Composition (Year 2)
- Songwriting (Year 2)
- Directed Studies (Year 2)
- General Music (Year 2)

Curriculum
The Contemporary Music & Technology program trains musician performers for the commercial music industry. The curriculum includes individual instruction on guitar, voice, bass, drums, saxophone, violin, and keyboards, as well as a solid grounding in music theory and ear training. Individual and ensemble instruction and practice is offered throughout both years of the program. Rock, blues, jazz, folk and world music are the primary instructional styles.
Composition (Year 2)

This major explores a wide range of styles and compositional techniques as well as providing students with the tools necessary to embark on a future in contemporary niches such as film scoring, music in advertising and songwriting. Access to modern production/recording technology gives students the ability to create a large portfolio of recorded music. Emphasis is put on developing each student’s unique compositional identity while focusing on the skills that are at the core of the compositional process. At the end of the fourth semester each student is responsible for organizing a 1/2 hour graduating recital that showcases their abilities.

To be a Composition Major, students must have achieved a minimum grade of "B" or better in MUSC 171 (Arranging II) and MUSC 175 (Harmony II). A maximum of 17 students will be accepted into this major. In the event that more students apply, preference will be given to those students who have achieved the highest GPA. English 110 may be substituted for TWC 266.

SEMESTER 3

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<td>MUSC 252</td>
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<td>MUSC 264</td>
<td>Instrumental Lab III</td>
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<td>MUSC 268</td>
<td>Songwriting I</td>
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<tr>
<td>MUSC 274</td>
<td>Contemporary Harmony III</td>
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<td>MUSC 280</td>
<td>Ear Training III</td>
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<td>MUSC 282</td>
<td>Film Scoring I</td>
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<td>MUSC 284</td>
<td>Composition I</td>
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<td>TWC 266</td>
<td>Introduction to Technical Writing and Communications</td>
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<td>Music Elective</td>
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**Total 17.5**

SEMESTER 4

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<td>Instrumental Lab IV</td>
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<td>MUSC 269</td>
<td>Songwriting II</td>
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<td>MUSC 275</td>
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<td>MUSC 281</td>
<td>Ear Training IV</td>
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<td>MUSC 283</td>
<td>Film Scoring II</td>
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<td>MUSC 285</td>
<td>Composition II</td>
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<td>MUSC 290</td>
<td>The Business of Music</td>
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<tr>
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**Total 17.5**

ELECTIVES

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<td>MUSC 288</td>
<td>Advanced MIDI Applications I</td>
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<tr>
<td>MUSC 162</td>
<td>Instrumental Lab I</td>
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<td>MUSC 259</td>
<td>Ensemble IV</td>
<td>On Campus 2</td>
</tr>
<tr>
<td>MUSC 262</td>
<td>Survey of Recording Techniques</td>
<td>On Campus 2</td>
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<td>MUSC 289</td>
<td>Advanced MIDI Applications II</td>
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<tr>
<td>MUSC 163</td>
<td>Instrumental Lab II</td>
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</table>

**Total 7**

**FACILITIES**

Professional studios, high-end labs, and private practice rooms are available all in beautiful Nelson. We have a total of 18 Digital Audio Workstations on campus all running the industry standard Pro Tools software and hardware and Sibelius music notation software. There are also laptops loaded with Ableton Live Suite for student use.

**CAREERS**

Many students become performers, recording engineers, composers, songwriters and teach private lessons.

A graduate of the Contemporary Music & Technology Program, in November 2015 Kiesza returned to her roots on Kiesza was honoured with the Distinguished Alumna award.

**Admission Requirements**

All students must meet Selkirk College entrance requirements as outlined in the College calendar.

**REGULAR ADMISSION REQUIREMENTS**

- Completion of Grade 12 or equivalent with a "C" or better in ENGL 12.
- Prior music and band training is a definite asset.
- Mature students without the above qualifications may be considered for admission following an interview.
- International students may apply for admission under the College's international education admissions policy.

**AUDITION AND INTERVIEW**

- An audition to assess instrumental ability, music theory and ear training knowledge, as well as pitch matching, is required before admission.
- Applicants who meet the entry requirements will be advised of the time and place for the audition. Applicants are expected to attend scheduled auditions in person.
- If you live a long distance from the College, other arrangements can be made.
- The audition process must be completed before May 30th. A music teacher must invigilate the exam(s), if completing the tests by mail.
Music Studios
The Contemporary Music and Technology program is home to some of the best gear on the planet. Professional studios, high-end labs, and private practice rooms all in beautiful Nelson.

We have a total of 18 Digital Audio Workstations on campus all running the industry standard Pro Tools software and hardware.

GENERAL MIDI STUDIO
- Apple Imac Intel Core Duo Computers
- Pro Tools Digital Audio Workstation Software
- Sibelius Notation Software
- Reason Sound and Sequencing Program
- Sampletank Sampler Software

ADVANCED MIDI STUDIOS
These labs focus on one of the fastest growing niches of the recording industry, the integrated digital audio and MIDI hard disk recording system. Using Digidesign's Pro Tools, numerous tracks of digital audio can be mixed and mastered to CD.

- Apple Intel Core Duo Computer
- Pro Tools DIGI 02 Control Surface/MIXer
- Event 20/20 Studio Monitors
- Propheterheads Reason
- Mastering Software
- Native instruments Kontakt

THE KITCHEN
We call our main studio the Kitchen. It houses a ProTools HD system with a state of the art Pro Control mixing board. We still maintain the tradition with a full rack of analog dynamic processor and outboard effects.

- Pro-Tools
- MCI Mixing Board
- Mics include - Sure SM57's & SM58's, AKG 460's & 414's, Sennheiser 441's & 421's, Neuman U87's and more
- Reverb Units by Yamaha, Lexicon and Eventide
- Dynamics Processors by DBX and Drawmer
- Pearl Master Studio Drum Kit
- Yamaha Grand Piano

FILM SCORING STUDIO
This equipment covers the basic set-up for the professional film scorer.
- Apple Intel Core Duo Computer
- Pro Tools Sequencing Software
- TV and NS10 Studio Monitors
- Virtual Samplers including Kontakt, Reason, Samplentank and Xpand
- Native instruments Kontakt

SHAMBHALA MUSIC AND PERFORMANCE HALL
This facility hosts a variety of activities including performances by guest artists and clinicians, faculty concerts, student recitals, and monthly performance classes. The studio is outfitted with a professional recording booth so that all performances may be archived directly to a CD or multi track digital format for mastering in the Recording Studio.

By integrating the latest in music production technology into the curriculum you will be able to get training in many of the facets of music not available at most music schools.

- Record your latest performance in order to fine-tune your presentation.
- Compose music and hear the results immediately on one of our computer music workstations.
- Create a DVD of your final recital for a demo showreel.

Program Courses

ELECTIVE 006 - MUSIC ELECTIVE
ELECTIVE 007 - MUSIC ELECTIVE
MUSC 100 - MUSIC FORUM
Music Forum is a course designed to provide an opportunity for all music students and faculty to share in a weekly educational experience. Each forum will have a different musical focus. Students will have opportunities to perform, witness performances by faculty and guest artists, as well as gain insights into the industry from guest lecturers and music professionals. Forum will also provide an opportunity for the presentation of collaborative audio-visual projects between departments.

Pre-requisites: None. Attendance is mandatory for all music students.

MUSC 150 - PRIVATE LESSON I
A weekly one-hour private instrumental or vocal lesson is provided for all first year students. Instruction is available on keyboard, woodwinds, saxophone, percussion, guitar, electric and acoustic, bass, and voice. Lessons are designed to increase students' technical and musical abilities.

MUSC 151 - PRIVATE LESSON II
A weekly one-hour private instrumental or vocal lesson is provided for all first year music students. Instruction is available on keyboard, woodwinds, saxophone, percussion, guitar, electric and acoustic, bass, and voice. Lessons are designed to increase students' technical and musical abilities.

MUSC 154 - BASIC KEYBOARD I
A required course for all students except Keyboard majors. This course is designed to provide practical hands-on knowledge of the keyboard in today's music industry. Students will gain an understanding of chording (in nearest inversion) and will be required to create musical excerpts using upper structure triads.

MUSC 155 - BASIC KEYBOARD II
A required course for all students except Keyboard majors. This course continues to expand on chords and keyboard techniques. This term also focuses on musical grooves of various styles requiring more challenging coordination and technical skills.

Pre-requisites: MUSC 154

MUSC 158 - ENSEMBLE I
Ensembles, required of all students, are the focal point of the Music program. All students are placed by audition in one or more ensembles. Students must participate in a minimum of four ensembles to graduate. Types of ensembles offered will focus on contemporary music including rock, funk, fusion, jazz and vocal, with the goal of developing both the student's repertoire and improvisational abilities. Students are encouraged to participate in as many different types of ensembles as possible. A graduation showcase will be required from all students majoring in Music Performance.

Program Courses

ELECTIVE 006 - MUSIC ELECTIVE
ELECTIVE 007 - MUSIC ELECTIVE
MUSC 100 - MUSIC FORUM
Music Forum is a course designed to provide an opportunity for all music students and faculty to share in a weekly educational experience. Each forum will have a different musical focus. Students will have opportunities to perform, witness performances by faculty and guest artists, as well as gain insights into the industry from guest lecturers and music professionals. Forum will also provide an opportunity for the presentation of collaborative audio-visual projects between departments.

Pre-requisites: None. Attendance is mandatory for all music students.

MUSC 150 - PRIVATE LESSON I
A weekly one-hour private instrumental or vocal lesson is provided for all first year students. Instruction is available on keyboard, woodwinds, saxophone, percussion, guitar, electric and acoustic, bass, and voice. Lessons are designed to increase students' technical and musical abilities.

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*Pre-requisites: MUSC 158.*

**MUSC 160 - COMPUTER APPLICATIONS TO MUSIC I**  
This course covers the fundamentals and practical applications of digital audio system, as well as methods for functioning in an integrated MIDI/digital audio workstation (DAW) studio environment. An emphasis is put on musical projects designed to emulate professional practice and application. MIDI sequencing is done at computer-based workstations in the classroom. Fundamentals of digital audio recording are practiced and auxiliary buss send and return are introduced. Prior experience with Pro Tools or another DAW is not required.

*Pre-requisites: MUSC 160.*

**MUSC 161 - COMPUTER APPLICATIONS TO MUSIC II**  
This course develops the student's ability to produce his or her own multi-track recordings with Protools digital audio workstation. Fundamentals of auxiliary buss, application of plug-ins inserts such as EQ, compression, noise gate, delay, and reverb are applied. Principals of analog and sample synthesis are applied to the development of projects. Fundamentals of microphone theory and application are introduced. Notation software is introduced as well as workstation components and application.

**SEMESTER 3**

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<tr>
<td>MUSC 163</td>
<td>Instrumental Lab II</td>
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**Total** 11

**Directed Studies (Year 2)**

This major was created to address the diverse interests of students who are entering the music program. It provides access to a wide range of courses and students must design their own special project that serves as a focal point for their year of study. Every two weeks students will meet one on one with a faculty member for mentorship, where students receive guidance on issues relating to their project and are assessed by the instructor. Examples of Directed Studies projects include; creating a CD of original material, creating a film scoring demo, rehearsing, performing and recording with your own band.
### General Music (Year 2)

A flexible program offered to students who would like to pursue a less specific path of study. The General Music Major is a flexible program offered to students who would like to pursue a less specific path of study. There are no concentrate courses in this major to allow for a wide range of elective courses. This program is also for students who don’t meet the admission requirements of the other majors.

#### SEMESTER 3

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<td>MUSC 264</td>
<td>Instrumental Lab III</td>
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<td>MUSC 162 - INSTRUMENTAL LAB I</td>
<td>This course is designed to help students develop instrumental skills. Grouped by instrument, students learn the fundamentals of reading, articulation, balance, dynamics, styles and technique as related to their particular instrument. This course is taught “instrument-in-hand” and also uses audio and visual aids to explore different techniques and styles. A requirement in all majors, students have weekly assignments.</td>
<td></td>
</tr>
<tr>
<td>MUSC 163 - INSTRUMENTAL LAB II</td>
<td>This course is designed to help students develop their instrumental skills. Grouped by instrument, students learn the fundamentals of reading, articulation, balance, dynamics, styles and technique as related to their particular instrument. This course is taught “instrument-in-hand” and also uses audio and visual aids to explore different techniques and styles. A requirement in all majors, students have weekly assignments.</td>
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<td>MUSC 258</td>
<td>Ensemble III</td>
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### MUSC 160 - HISTORY OF ROCK

A study of the evolution of rock music from its origins to the present. Classes will focus on musical characteristics of the different styles within the genre. Sociological, geographical, literary and other cultural aspects will be discussed. Both audio and video clips will be presented for in-class analysis.

### MUSC 165 - HISTORY OF JAZZ

A survey of the music of the jazz idiom from its origins to the present. Included is a chronological study of important soloists, bands, vocalists, and composers. Classes will be partly lecture aided by video clips and partly analysis with intensive listening.

### MUSC 170 - ARRANGING I

An introductory course in commercial arranging dealing primarily with the rhythm section. Specific topics will include ranges of instruments, arranging from lead sheets, planning an arrangement; as well as detailed analysis of the function and common practice notational systems for the electric bass, guitar, piano and drums. All assignments will be scored and copied by the student and played by either a project ensemble or the arranging class itself.

### MUSC 171 - ARRANGING II

Expanding on the concepts presented in the introductory level, this course deals with writing for horns and a rhythm section. Techniques include solo voicings, quartal voicings, and upper structure triads.

### Pre-requisites:

- MUSC 162.
- MUSC 170.
Performance (Year 2)

Achieve high proficiency on your principle instrument, and take advantage of many opportunities to perform. As a performance major, emphasis is put on achieving a high level of proficiency on your principal instrument and experience in a wide range of styles will give you the skills necessary to be an effective member of any ensemble. Students perform in a variety of performance venues ranging in size from intimate jazz clubs and restaurants to large auditoriums and theatres.

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**MUSC 174 - CONTEMPORARY HARMONY I**

This course covers basic harmonic theory and common musical notation used in the music industry today. Topics include clefs, note recognition, key signatures, scales, intervals, triad and seventh chord construction, available tensions and basic harmonic functions. Upon successful completion of the course students will have a comprehensive and literate vocabulary of basic musical terms and symbols, and a working knowledge of basic harmonic functions.

**MUSC 175 - CONTEMPORARY HARMONY II**

This course covers harmonic functions currently in use in all styles of popular music. Extensive use of recorded and written examples are used to show the harmony/melody relationships. Basic harmonic analysis as a tool is presented with an introduction to diatonic, extended diatonic, and basic minor key and Blues concepts. Students are required to demonstrate, through written projects, the current uses of these basic contemporary harmonic techniques.

**Pre-requisites:** MUSC 174.

**MUSC 180 - EAR TRAINING I**

This course is the first of a four level program focusing on aural recognition of intervals, triads, seventh chords, rhythms, melodies, diatonic chord progressions and diatonic relative pitch. Students begin to learn the language of solfege and sight singing. This ear training class provides aural perception of the theory learned in MUSC 174 which is taught concurrently. Recorded examples as well as live playing is used for developing dictation skills.

**Pre-requisites:** MUSC 180.

**MUSC 181 - EAR TRAINING II**

A continuation of the skills learned in MUSC 180. The focus is on harmonically based melodies with larger intervallic skips. Rhythms are explored primarily through syncopated eighth notes, triplets and sixteenth notes. This ear training class provides an aural perception of MUSC 175, which is taught concurrently.

**Pre-requisites:** MUSC 180.

**MUSC 235 - PRODUCTION STUDIO MANAGEMENT I**

Production Studio Management I provides an examination of methods designed to facilitate the successful management of studio recording projects. The course will cover session set-ups, use of templates for album recording, tracking and...
Production (Year 2)
Get equipped with extensive hands-on training in a state-of-the-art studio. Production majors receive extensive hands on training in a state-of-the-art recording studio that employs industry standard equipment. All aspects of the engineering process are covered in detail including recording, mixing and mastering and at several points within the course timetable students are encouraged to design and complete their own studio project. Enrollment is limited to 10 students per year in order that each student may receive the best individual instruction. Entrance into the program is based on grade point average in addition to criteria outlined in the calendar.

### SEMESTER 3

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<tr>
<th>Course</th>
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<th>Credit</th>
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MUSC 250 - PRIVATE LESSON III
A weekly one-hour private instrumental or vocal lesson is provided for all Music Performance and Music Songwriting majors. Instruction is available on keyboard, woodwinds, saxophone, percussion, guitar, electric and acoustic, bass, and voice. Lessons are designed to increase students' technical and musical abilities.

Pre-requisites: MUSC 150 for 151; MUSC 151 for 250.

MUSC 250 - DIRECTED STUDIES/MENTORSHIP
A weekly bi-weekly (every other week) 1/2 hour private tutorship is provided for all Directed Studies majors. Students will consult with their mentor on a consistent basis (for a total of six meetings per semester). Instruction is designed to increase student's technical, artistic, and musical quality relating to final project goals, as pertaining to student's project proposal and portfolio. The mentor may be changed, pending approval, on a semester basis.

Pre-requisites: Must be enrolled in the Directed Studies Major.

MUSC 251 - PRIVATE LESSON IV
A weekly one-hour private instrumental or vocal lesson is provided for all Music Performance and Music Songwriting majors. Instruction is available on keyboard, woodwinds, saxophone, percussion, guitar, electric and acoustic, bass, and voice. Lessons are designed to increase students' technical and musical abilities.

Pre-requisites: MUSC 250.

MUSC 251 - DIRECTED STUDIES/MENTORSHIP
A bi-monthly (every other week) 1/2 hour private tutorship is provided for all Directed Studies majors. Students will consult with their mentor on a consistent basis (for a total of six meetings per semester). Instruction is designed to increase student's technical, artistic, and musical quality relating to final project goals, as pertaining to student's project proposal and portfolio. The mentor may be changed, pending approval, on a semester basis.

Pre-requisites: MUSC 250b, and must be enrolled in the Directed Studies Major.

MUSC 252 - PRIVATE LESSON III A
A weekly half-hour private instrumental or vocal lesson is provided for all Music Production, Composition, and General Music majors. Instruction is available on keyboard, woodwinds, saxophone, percussion, guitar, electric and acoustic bass, and voice. Lessons are designed to increase students' technical and musical abilities.

Pre-requisites: MUSC 151.

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Song Writing (Year 2)
Receive an educational experience that focuses on performing, writing and recording. The Songwriting major gives students a well-rounded educational experience that focuses on songwriting and performing.

### SEMESTER 3

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<td>Preceptorship I</td>
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<td>Songwriting I</td>
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MUSC 253 - PRIVATE LESSON IV A
A weekly half-hour private instrumental or vocal lesson is provided for all Music Production, Composition, and General Music majors. Instruction is available on keyboard, woodwinds, saxophone, percussion, guitar, electric and acoustic bass, and voice. Lessons are designed to increase students' technical and musical abilities.

Pre-requisites: MUSC 252

MUSC 256 - CONTEMPORARY MUSIC ANALYSIS I
Students will be asked to select eight musical pieces of any style (could also include original material) to form a forty minute showcase to be performed during the latter part of their final term. Students will have to produce partitions for all instruments involved, as well as assume a leadership role in all rehearsals.

Pre-requisites: Must be a full-time Performance or Songwriting Major.

MUSC 257 - CONTEMPORARY MUSIC ANALYSIS II
This course will focus on the delivery of each student's showcase where a high level of performance and leadership will be developed. Other elements such as stage presence, promotion, and technical support will also be addressed. All showcases will be recorded and videotaped for future use in demo packages.

Pre-requisites: MUSC 256; and must be a full-time Performance or Songwriting Major.

MUSC 258 - ENSEMBLE III
Ensembles, required of all students, are the focal point of the Music program. In second year, students are placed by audition in one or more ensembles. Students must participate in a minimum of four ensembles to graduate. Types of ensembles offered will focus on contemporary music including rock, funk, fusion, jazz and vocal, with the goal of developing both the student's repertoire and improvisational abilities. Students are encouraged to participate in as many different types of ensembles as possible. A graduation recital will be required from all students majoring in Music Performance.

Pre-requisites: MUSC 258.

MUSC 259 - PRECEPTORSHIP II
Students continue their immersion in a professional performing environment where they receive feedback not only from their instructor, but also from club owners, managers, and customers. In this class, students will be required to assume a leadership role within their ensemble. Upon successful completion, they will have increased their performance abilities in the areas of versatility, sound, sight-reading, and improvisation. Students will be able to function in a variety of professional engagements common to today's music industry.

Pre-requisites: MUSC 258.

MUSC 260 - MIXDOWN AND EDITING
The functional, financial, and legal aspects of production entrepreneurship is examined. Topics covered include technical and artistic preparation through pre- and post-production, recognition of standard recording techniques, the effects of signal processing, and the analysis of various production styles in rock, pop, jazz and classical recordings. Student producers work with student engineers and artists to meet course requirements for two-track and multi-track recording projects.

Pre-requisites: MUSC 161 with a "B" or better, MUSC 181. Must be taken concurrently with MUSC 270/289.

MUSC 261 - MIXDOWN AND EDITING II
The production aspects of recording music for various industry applications will be analyzed, discussed, and applied to student projects. Particular attention will be paid to the areas of music production for records, film and television, and radio and television commercials. Students will work with state-of-the-art video/audio synchronization devices. Student producers will work as a team with student engineers and artists, songwriters, and film composers to produce three projects; one in each idiom.

Pre-requisites: MUSC 260 for MUSC 261. Must be taken concurrently with MUSC 271/289.

MUSC 262 - SURVEY OF RECORDING TECHNIQUES
An introduction to recording principles and practices, this course is open to students whose major is not music production. Topics include a brief history of the multi-track recording studio, procedures of a recording studio, procedures of a recording session, fundamentals of microphones and audio effects.

MUSC 264 - INSTRUMENTAL LAB III
This course is designed to help students develop instrumental skills. Grouped by instrument, students learn the fundamentals of reading, articulation, balance, dynamics, styles and technique as related to their particular instrument. This course is taught "instrument-in-hand" and also uses audio and visual aids to explore different techniques and styles. A requirement in all majors, students have weekly assignments.

Pre-requisites: MUSC 163.

MUSC 265 - INSTRUMENTAL LAB IV
This course is designed to help students develop instrumental skills. Grouped by instrument, students learn the fundamentals of reading, articulation, balance, dynamics, styles and technique as related to their particular instrument. This course is taught "instrument-in-hand" and also uses audio and visual aids to explore different techniques and styles. A requirement in all majors, students have weekly assignments.

Pre-requisites: MUSC 264.

MUSC 268 - SONGWRITING I
This course is designed to help you prepare for survival in the competitive world of the songwriters market. Learn about all types of styles while striving to define your own. Special attention is paid to the rudiments of songwriting: creativity, basic theory (usage of basic rhythms, scales, harmony, melodic patterns, lyrics, etc.), basic styles (pop, rock, folk, country, etc.), production patterns, and the legalities of the music business. The class also spends time analyzing the work of other writers (successful and unsuccessful; those who have maintained artistic integrity; those who have not).

Pre-requisites: A "B" or better in MUSC 171 and MUSC 175, and/or permission of the instructor.
MUSC 269 - SONGWRITING II
This course is designed to strengthen your songwriting skills in every respect. Closer attention is paid to marketing skills, legal procedures, finding one's personal niche in the music business (whether to focus on one's own style, concentrate on writing tunes for other acts, or both; whether to go through a publisher or be your own publisher; etc.). Co-writing music will be explored (you put lyrics to someone else's music; they put music to yours). In class time centers around the analysis of successful songwriters in every genre.
Pre-requisites: MUSC 268.

MUSC 270 - RECORDING TECHNIQUES I
This course provides students with an introduction to recording principles and practices. Through theoretical and hands-on instruction, students acquire a basic understanding of studio technologies and recording skills. Topics include: fundamentals of analog recording, design and function of microphones, loudspeakers and acoustical considerations in recording and sound reproduction, and studio maintenance. The student engineer works with a student producer and artist. A minimum of two recording projects is required for successful course completion.
Pre-requisites: MUSC 161 with a "B" or better; MUSC 181. Must be taken concurrently with MUSC 260.

MUSC 271 - RECORDING TECHNIQUES II
The emphasis in this course is on advanced multi-track recording techniques including microphone placement, console signal flow, and live recording. Topics include: discussion and utilization of signal processing equipment including limiters, compressors, noise gates, digital reverb, and delay. Student engineers work with student producers and artists or composers.
Pre-requisites: MUSC 270 for MUSC 271. Must be taken concurrently with MUSC 261/289.

MUSC 272 - IMPROVISATION I
In this course students will begin applying the basic tools of melodic improvisation. Through performance and analysis, melodic interpretation, phrasing, harmonic density, motivic development, pacing, voice leading, and harmonic accuracy will be explored. The class will examine classic solos in a variety of idioms. Students will be required to write and transcribe solos. The class is taught with "instrument in hand."
Pre-requisites: MUSC 151 (with a "B" or better), MUSC 163, 175, and 181 for MUSC 272. Students must be full-time Performance Majors.

MUSC 273 - ADVANCED IMPROVISATION II
This course continues the concepts of melodic, harmonic, and rhythm variety learned in Improvisation I. These concepts are then applied to the stylistic considerations of rock, funk, Latin, jazz, blues, and calypso music. Greater emphasis is given to harmonic accuracy through arpeggios and scale studies. Students will examine classic solos in class, as well as transcribe and perform their own transcriptions of improvisations. Improvisation is also examined in the context of rhythmic section accompaniment.
Pre-requisites: MUSC 272. Students must be full-time Performance Majors.

MUSC 274 - CONTEMPORARY HARMONY III
This course continues with the principles of contemporary harmony as presented in CH II. Topics are expanded to include advanced minor key concepts, introduction to modal harmony and modal interchange, substitute dominant functions, basic chord scales for melodic considerations, advanced harmonic analysis and basic concepts of re-harmonization. This course provides students with a working knowledge of contemporary minor key and modal harmony and the ability to use them in all styles of popular music.
Pre-requisites: MUSC 175.

MUSC 275 - CONTEMPORARY HARMONY IV
This course deals with advanced harmonic concepts including deceptive resolutions, special function dominant chords, pedal point and ostinato and advanced modal harmony including compound chord symbols, hybrid chord structures and polymodality. Upon successful completion of this course, students will have a strong working knowledge of current harmonic practices in all styles of contemporary music. Students will also be able to demonstrate this knowledge through written and performance-related venues.
Pre-requisites: MUSC 274.

MUSC 280 - EAR TRAINING III
This course continues to develop an aural perception of intervals, pitches, seventh chords, chord progressions, melodies and rhythms. The focus of this term is on minor and secondary dominant melodies and chord progressions. The rhythms explore sixteenth note syncopated rhythms as well as 6/8 and 5/4 meters.
Pre-requisites: MUSC 181.

MUSC 281 - EAR TRAINING IV
Upon successful completion of this course you will have mastered basic aural skills for professional musicianship. The emphasis on this level is chromatic and modal melodies. Mixed meters and odd time signatures are explored. Emphasis is given to transcribing prerecorded songs.
Pre-requisites: MUSC 280.

MUSC 282 - FILM SCORING I
This hands-on course focuses on TV and radio broadcasting. Students are required to score themes and cues for various TV and radio shows using mostly electronic equipment along with one or two live musicians.
Pre-requisites: MUSC 161 Computer Applications to Music II.

MUSC 283 - FILM SCORING II
This course provides students with an understanding of the different compositional techniques used in feature film genres such as drama, suspense, comedy and action/adventure. The course content includes analysis of film soundtracks of the past and present, the business of being a film composer, film scoring technology, orchestration, conducting, and how to get started as a film composer. Weekly assignments require students to compose music to picture for subsequent review by the instructor. At the end of the term students will have created a large portfolio of audio and visual material.
Pre-requisites: MUSC 175 Contemporary Harmony II.

MUSC 284 - COMPOSITION I
This course is designed to improve the skills of composers by presenting a wide variety of compositional tools in styles ranging from Classical to Jazz, Folk, Rock and Pop. By studying the recordings and scores of composers throughout history each student gains a musical awareness that strengthens their own compositional process. Particular attention is paid to the “building blocks of a composition;” the musical elements such as melody, harmony and rhythm that are at the core of the creative process. In class performance and analysis of student compositions occurs on a weekly basis and midterm and final assignments are recorded.
Pre-requisites: MUSC 171 and 175, and/or permission of the Instructor.
MUSC 285 - COMPOSITION II
This course continues the study of compositional building blocks started in Composition 1 with an additional focus on arranging and orchestration. Topics include advanced contemporary techniques such as quartal and quintal harmony, pandiatonicism, minimalism, world music percussion concepts and string and vocal arranging for popular music. Composers of interest include Sting, John Lennon, Bach, Stravinsky, Steve Reich, and Miles Davis.

Pre-requisites: MUSC 284 and/or permission of the instructor.

MUSC 288 - ADVANCED MIDI APPLICATIONS I
This course is an applied study of the software and concepts used in the recording home studio environment. The primary focus of the course is in the use of Pro Tools LE for the self-recording musician. Topics include: mixing console application, editing techniques, microphone technique, an introduction to effects processing for final mixing, auxiliary buss in the virtual mixing board, use of patch bay, outboard effects, and file maintenance.

Pre-requisites: MUSC 161 with a "B" or better.

MUSC 289 - ADVANCED MIDI APPLICATIONS II
This course is a continuation of MUSC 288. The primary focus is the advanced use of Pro Tools LE. Topics will include: the musical application of effects plug-ins, computer components and related technology, and other recording formats.

Pre-requisites: MUSC 288.

MUSC 290 - THE BUSINESS OF MUSIC
The purpose of this course is three-fold: to provide the student with an awareness of the career possibilities in the field of music; to introduce students to some of the major aspects of the music profession; and to introduce students to basic general business practices. This course is of particular benefit to students planning a career in the music industry.

TWC 266 - INTRODUCTION TO TECHNICAL WRITING AND COMMUNICATIONS
This course is designed to prepare students for the writing demands of Digital Arts courses and the workplace. Through the production of print- and web-based documents, students will learn to organize and develop content that meets their audience’s needs and to communicate in a clear and concise writing style. Students will also have an opportunity to deliver effective and engaging oral presentations.
**Year 1**

**SEMESTER 1**

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**Year 2**

**SEMESTER 3**

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<tbody>
<tr>
<td>AHSC 218</td>
<td>Health Sciences III</td>
<td>3</td>
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<tr>
<td>NURS 216</td>
<td>Health &amp; Healing III: Health Challenges/Healing Initiatives</td>
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<tr>
<td>NURS 217</td>
<td>Relational Practice II: Creating Health - Promoting Relationships</td>
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<tr>
<td>NURS 219</td>
<td>Nursing Practice III: Promoting Health and Healing</td>
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**SEMESTER 4**

<table>
<thead>
<tr>
<th>Course</th>
<th>Name</th>
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<tbody>
<tr>
<td>AHSC 228</td>
<td>Health Sciences IV: Pathophysiology and Pharmacology</td>
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<td>NURS 222</td>
<td>Professional Practice III: Nursing Ethics</td>
<td>3</td>
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<tr>
<td>NURS 226</td>
<td>Health &amp; Healing IV: Health Challenges/Healing Initiatives</td>
<td>6</td>
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<td>NURS 229</td>
<td>Promoting Health and Healing</td>
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<tr>
<td>NURS 230</td>
<td>Consolidated Practice Experience II (Spring, 6 weeks)</td>
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</tr>
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</table>
## Additional Information

Our program supports your development of the knowledge, skills, and values necessary for the practice of professional nursing in a complex health care system. The program is designed to educate nurses to work with individual clients, families and communities from a health promotion perspective. You will learn the importance of understanding the client's experience of health and healing and how to practice from an ethic of caring. You will learn through a combination of face-to-face academic, simulated, and practical experiences. We are in a degree granting partnership with the University of Victoria and students take the final continuous terms of third and fourth year UVic courses at Selkirk College. This partnerships supports our delivery of a dynamic and responsive academic degree. Graduates are eligible to write the National Council Licensure Examinations, Registered Nurse (NCLEX-RN) and qualified to pursue graduate education.

### SPECIAL COSTS, TRAVEL, AND RELOCATION REQUIREMENTS

In addition to the usual expenses for tuition, textbooks, IT and NCLEX prep resources and fees, nursing students can expect to pay approximately $350 (total) for a uniform, shoes, stethoscope and other items.

Placement in practice areas is arranged by the faculty in accordance with the availability of suitable learning experiences and the student's learning needs. It is not possible to accommodate personal considerations related to residence or family responsibilities. Individuals enrolling in the Nursing program are advised that access to a reliable motor vehicle is a necessity, and a valid BC Driver's License is strongly recommended.

Travel requirement includes local hospitals and agencies in Castlegar, Nelson, and Trail during all semesters.

Students may have to relocate for Consolidated Practice Experiences (CPE's) which may include communities throughout the East and West Kootenay regions, or elsewhere.

Students will be required to obtain CPR-Level HCP prior to end of Fall Term Year 1 and maintained throughout the program. The cost for such certification will be additional to other course fees in the Nursing program. Recertification is required every two years.

## Year 3

Semesters 6 courses are University of Victoria courses taught on site at Selkirk College. Course credits are shown in University of Victoria units instead of credits. Tuition and fees are determined and processed by the University of Victoria. Please refer to www.nursing.uvic.ca for tuition information.

### SEMESTER 5

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<th>Course</th>
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<td>NURS 316</td>
<td>Complex Health Challenges</td>
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<tr>
<td>NURS 317</td>
<td>Relational Practice</td>
<td>On Campus</td>
<td>3</td>
</tr>
<tr>
<td>NURS 319</td>
<td>Nursing Practice V: Promoting Health &amp; Healing</td>
<td>On Campus</td>
<td>7</td>
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<td>ELECTIVE 001</td>
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**Total** 19

### SEMESTER 6

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<th>Course</th>
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<tbody>
<tr>
<td>NURS 341</td>
<td>Professional Practice IV: Nursing Inquiry</td>
<td>On Campus</td>
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<tr>
<td>NURS 342</td>
<td>Global Health Issues</td>
<td>On Campus</td>
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</tr>
<tr>
<td>NURS 350</td>
<td>Health &amp; Healing VII: Promoting Community and</td>
<td>On Campus</td>
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<tr>
<td></td>
<td>Societal Health</td>
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<tr>
<td>NURS 351</td>
<td>Nursing Practice VI: Promoting Health of</td>
<td>Practicum</td>
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<td></td>
<td>Communities &amp; Society</td>
<td></td>
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<tr>
<td>ELECTIVE 003</td>
<td>3 Credit Course</td>
<td>On Campus</td>
<td>3</td>
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<tr>
<td>NURS 370</td>
<td>Consolidated Practice Experience III (Spring, 6 weeks)</td>
<td>Practicum</td>
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<td>NURS 470</td>
<td>Consolidated Practice Experience IV (Summer 6 weeks)</td>
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**Total** 21

## Year 4

Semester 7 and 8 courses are University of Victoria courses taught on site at Selkirk College. Course credits are shown in University of Victoria units instead of credits.

Year 4 tuition and fees are determined and processed by the University of Victoria.

### SEMESTER 7

<table>
<thead>
<tr>
<th>Course</th>
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<th>Location</th>
<th>Credit</th>
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<tbody>
<tr>
<td>NURS 360</td>
<td>Professional Practice VI: Nursing Research</td>
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<tr>
<td>NURS 430</td>
<td>Professional Practice V: Leadership in Nursing</td>
<td>On Campus</td>
<td>1.5</td>
</tr>
<tr>
<td>NURS 431</td>
<td>Nursing Practice VII: Engaging in Leadership</td>
<td>Practicum</td>
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<td>ELECTIVE 004</td>
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**Total** 6

### SEMESTER 8

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<th>Course</th>
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<tr>
<td>NURS 475</td>
<td>Consolidated Practice Experience V (6 weeks)</td>
<td>Practicum</td>
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<tr>
<td>NURS 491</td>
<td>Nursing Practice VIII (6 weeks)</td>
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<td>4.5</td>
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**Total** 9
Admission & Application Requirements

THE NURSING PROGRAM’S ADMISSION PROCESS AND REQUIREMENTS ARE CURRENTLY UNDER REVIEW.

Selkirk College will not be accepting new applications until a new admission process is approved and expect this to be finalized in early 2018. We are adopting a selective admission process for applicants starting the program in 2020. We anticipate that applicants on the current waitlist will fill the 2018 and the majority of the 2019 intakes. We appreciate your interest in the program; please monitor this website for updates.

ACADEMIC:
BC Secondary school graduation or equivalent with the following courses and minimum grade of:
- B in English 12
- B in Biology 12
- C+ in Chemistry 11
- C+ in Pre-Calculus 11 or Foundations of Math 12

SUPPORTING DOCUMENTATION:
- 2 personal reference forms BSN Letter of Reference Form
- BSN Questionnaire BSN Questionnaire Form

Please complete the FILLABLE Letter or Reference Form and Questionnaire Form and submit to the admissions department as part of your application package.

NON-ACADEMIC (NOT REQUIRED UNTIL OFFICIALLY ACCEPTED):
- Criminal Record Check (BC Ministry of Justice)
- Completion of immunizations as required by Health Care Workers in BC
- CPR - HCP
- BSN Application Package

Fully qualified applicants are accepted in the order in which their application files are completed. Selkirk College accepts applicants on a first come first applied basis. We do not have competitive admission. Therefore, it is important that the application package and supporting documentation are submitted as early as possible. Application files must be completed by March 31st of each year.

*Note: Immunization forms (within BSN Application Package) to be submitted prior to starting the program in Fall semester Year 1. TB Test results should be completed between April and August prior to starting.

Careers

Following registration with the College of Registered Nurses of BC (CRNBC), graduates are eligible to practice nursing in a variety of settings, or enrol in post-basic nursing specialty programs such as operating room nursing, critical care nursing, pediatric nursing, maternal and child health nursing, outpost nursing, or mental health nursing. Many post-basic specialty programs require a period of nursing practice before entry. A post-basic certificate in Gerontological Nursing is available through Distance Education.

Certain basic skills and abilities are required of student to attain the competencies required of a Registered Nurse. CRNBC describes these in the document “Becoming a Registered Nurse in BC: Requisite Skills and Abilities”. Applicants are encouraged to read this and contact the Nursing Program if questions arise.

Program Courses

AHSC 218 - HEALTH SCIENCES III
The major emphasis of this introductory course is to gain a foundational knowledge of concepts related to human pathophysiology. This course will examine the presentation and pathogenesis of health challenges across the life span including pharmacology, microbiology, diagnostics, epidemiology, genetics, and nutrition. Topics will be closely coordinated with practice, nursing learning centre and the health courses.

Pre-requisites: Admission to Year 2 of the Nursing Program.

AHSC 228 - HEALTH SCIENCES IV: PATHOPHYSIOLOGY AND PHARMACOLOGY
AHSC 228: Health Sciences IV: Pathophysiology and Pharmacology is a continuation of AHSC 218. The major emphasis is on the study of how homeodynamics is altered by physical, biochemical microbial, genetic, nutritional or immunologic factors. This course will examine the presentation and pathogenesis of disease, the impact of disease on homeodynamics, diagnostiscs, and the pharmacological management of selected health challenges. Where appropriate nutrition, genetics, and environmental impacts on health will be drawn through the major concepts of this course. Topics will be closely coordinated with the practice and the health and healing courses.

Pre-requisites: 60% or better in AHSC 218

BIOL 164 - HUMAN ANATOMY AND PHYSIOLOGY I
This course provides an integrative approach to the normal structure and function of the human body. Repair and replication, structural support, nervous integration, movement and metabolism are examined at the cellular, tissue and system levels. Recent scientific discoveries are presented as a means of relating the systems studied to various applied disciplines including health care and Kinesiology.

Pre-requisites: BIOL 12, CHEM 11, and one of BIOL 11, CHEM 12, or PHYS 12 (BIOL 11 recommended) with a grade of “C” or better.

BIOL 165 - HUMAN ANATOMY AND PHYSIOLOGY II
A continuation of Biology 164, this course covers the cardiovascular, respiratory, lymphatic, urinary and digestive systems. Endocrinology is discussed throughout as a means of integrating the various systems to the function of the body as a whole. The focus remains on application of knowledge gained in this course.

Pre-requisites: BIOL 164 with a “C” or better or written permission of the instructor and School Chair.

ELECTIVE 001 - 3 CREDIT ELECTIVE
3 Credit elective course. Please view the UAS Course List for available options.

ELECTIVE 003 - 3 CREDIT COURSE
3 Credit elective course. Please view the UAS Course List for available options.

ELECTIVE 004 - NURSING ELECTIVE
Must be a 300 or 400 Nursing course.

ENGL 110 - COLLEGE COMPOSITION
English 110 is about thinking and writing. You will learn how to develop and express informed opinions on issues that matter. You will also learn about research, editing, and expository and persuasive academic writing forms.

Pre-requisites: A “C” or better in ENGL 12 or equivalent or UPI level 4 or written permission of the Instructor and School Chair.

NURS 112 - PROFESSIONAL PRACTICE I: INTRO TO PROFESSION OF NURSING
This course is an introduction to the profession of nursing. Participants examine the foundational concepts of the curriculum and how the concepts relate to nursing practice. Participants also explore the history of nursing and have the opportunity to explore and critically reflect upon the political and socioeconomic forces that have shaped the status
of women in society and the evolution of the nursing profession. Standards of nursing practice and responsibility for safe and ethical nursing practice are explored.

**Pre-requisites:** Admission to the nursing program.

**NURS 116 - HEALTH AND HEALING I: LIVING HEALTH**

This course is an introduction to the meaning of health including personal, family, community, and societal health. Participants examine theoretical and conceptual frameworks of health including health promotion, primary health care, prevention, and determinants of health. By reflecting on personal experiences, participants have the opportunity to identify personal resources and/or challenges that impact health as well as recognize the diversity of beliefs, values, and perceptions held by others. Opportunities to learn basic health assessment skills are included.

**Pre-requisites:** Admission to the nursing program.

**NURS 117 - RELATIONAL PRACTICE I: SELF AND OTHERS**

The premise underlying this course is that nursing is an experience lived between people. Participants explore the multiple factors that influence their own capacity to be in caring relation to others. They learn to question personal perspectives of experience; to uncover attitudes, beliefs and values; and to share and acknowledge differences. Emphasis is placed on a phenomenological attitude to view the structure and experiences that make up their own and other people's lives.

**Pre-requisites:** Admission to the nursing program.

**NURS 119 - NURSING PRACTICE I: INTRO TO NURSING PRACTICE**

This course provides an introduction to nursing practices with opportunities to engage with healthy families in the community and with nurses in practice to explore the breadth of nursing practice. Participants integrate their learning from other semester one courses with their beginning understanding of nursing practice.

**Pre-requisites:** Admission to the nursing program.

**NURS 126 - HEALTH AND HEALING II: HEALTH INDICATORS**

Building on Health and Healing I, this course focuses on individual, family, and community health assessment. Participants have opportunities to explore and critique theoretical and conceptual frameworks in relation to health assessment including early childhood development, family development, healthy aging, and community development. Assessment is explored within the context of decision-making. Opportunities to learn basic health assessment skills are continued.

**Pre-requisites:** Admission to the nursing program.

**NURS 129 - NURSING PRACTICE II: COMING TO KNOW THE CLIENT**

The nursing practice experience provides opportunities to develop caring relationships with groups, families and individuals across the lifespan. Emphasis is placed on health assessment and coming to know how clients understand and promote their health, and the role of the nurse in partnering with the client. Participants work with groups, families, and individuals in the home and community, in agencies, and in care facilities to incorporate concepts and learning from all courses in the semester.

**Pre-requisites:** Admission to the nursing program.

**NURS 130 - CONSOLIDATED PRACTICE EXPERIENCE I**

This practice experience is designed to assist participants to move forward with the health focus of year one towards the focus of health challenges in year two. This course consists of workshops on topics that are foundational to providing personal care and time in a practice setting where students have the opportunity to provide personal care while furthering the development of their relational and assessment skills and their understanding of health and health promotion.

**Pre-requisites:** Admission to the nursing program.

**NURS 216 - HEALTH & HEALING III: HEALTH CHALLENGES/HEALING INITIATIVES**

Building on the learners' understanding of health, the focus of this course is on people's experience with healing for both chronic and episodic health challenges. Participants integrate theory and concepts of health as they relate to healing. This course is complementary to Health Sciences III and provides opportunities for learners to integrate pathophysiology with their understanding of health and healing and the nursing approaches that accompany this understanding.

**Pre-requisites:** Promotion to Study Semester 3.

**NURS 217 - RELATIONAL PRACTICE II: CREATING HEALTH - PROMOTING RELATIONSHIPS**

Building on Relational Practice I, in this course participants move beyond personal discovery to a focus on relational caring. The major emphasis of the course is relational practice with individuals, families, and groups from diverse backgrounds of age, culture, and experience. This is an experiential course designed to deepen the participants' understanding of caring and how the connection between caring and relationship provides the context for health and healing. Participants explore theories and processes of caring, relational identity development of self as nurse, and relational practice as enacted across a range of settings and contexts.

**Pre-requisites:** Promotion to Study Semester 3: Relational Practice I

**NURS 219 - NURSING PRACTICE III: PROMOTING HEALTH AND HEALING**

This nursing practice experience provides opportunities to develop caring relationships with individuals and families for the purpose of health promotion while coming to understand their unique health and healing processes. Participants will have opportunities to practice nursing approaches that accompany this understanding. Participants work with families and individuals experiencing common health challenges (both episodic and chronic) in the home and community, in agencies, and in care facilities to incorporate concepts and learning from all the courses in this semester into their nursing practice. The community and society are considered as contextual influences on the promotion of health and healing for the individual and the family.

**Pre-requisites:** Promotion to Study Semester 3: Travel requirement.

**NURS 222 - PROFESSIONAL PRACTICE III: NURSING ETHICS**

Building on previous Relational Practice and Professional Practice courses, this course focuses on the growing body of knowledge related to nursing ethics. Beginning with an understanding of bio-medical ethics that have dominated nursing ethics in the past and moving to an understanding of developing ethical theory related to nursing and nursing issues, participants will have opportunities to explore nursing ethics in the context of their nursing practice.

**Pre-requisites:** Promotion to Study Semester 4.

**NURS 226 - HEALTH & HEALING IV: HEALTH CHALLENGES/HEALING INITIATIVES**

Participants in this course continue to develop an understanding of people's experiences with healing related to a variety of increasingly complex chronic...
and episodic health challenges within a variety of practice contexts. This course is complementary to Health Sciences IV and provides opportunities for learners to integrate pathophysiology with their understanding of health and healing and the nursing approaches that accompany this understanding. 

*Pre-requisites:* Promotion to Study Semester 4.

**NURS 229 - PROMOTING HEALTH AND HEALING**

This nursing practice experience continues to provide opportunities for learners to develop caring relationships with individuals and families for the purpose of health promotion while coming to understand their health and healing processes when experiencing more complex health challenges, both episodic and chronic. Participants will have opportunities to practice nursing approaches that accompany this understanding. Participants work with families and individuals in the home and community, in agencies, and in care facilities to incorporate concepts and learning from all the courses in this semester into their nursing practice. The community and society are considered as contextual influences on the promotion of health for the individual and the family. 

*Pre-requisites:* Promotion to Study Semester 4.

**NURS 230 - CONSOLIDATED PRACTICE EXPERIENCE II (SPRING, 6 WEEKS)**

In this consolidated practice experience, opportunities are provided to develop caring relationships for the purpose of healing and health promotion with individuals and families experiencing increasingly complex chronic and episodic health challenges. The community and society are considered as contextual influences on the promotion of health for the individual and the family. Participants have opportunities to consolidate learning from the first and second year of the program in a variety of settings.

*Pre-requisites:* Promotion to Study CPE. Travel requirement.

**NURS 317 - RELATIONAL PRACTICE**

Building on the concepts introduced in Relational Practice I and II and other previous courses, Relational Practice III provides a synthesis of knowledge that is the basis of critical analysis. This course focuses on enhancing participants’ everyday relational practice with individuals, families, and groups. The emphasis is on engaging with the complexities of difference in everyday nursing practice and the challenges these complexities might pose for being in-relation with clients.

*Pre-requisites:* Promotion to Study Semester 5.

**NURS 319 - NURSING PRACTICE V: PROMOTING HEALTH & HEALING**

This nursing practice experience continues to provide opportunities for learners to develop caring relationships with individuals and families, while coming to understand their health and healing process within the context of complex health issues. Participants will have opportunities to practice nursing approaches that accompany this understanding. Participants work with families and individuals in the home and community, in agencies, and in care facilities to incorporate concepts and learning from all the courses in the semester into their nursing practice, with an emphasis on the complex health challenges.

*Pre-requisites:* Promotion to Study Semester 5. Travel requirement.

**NURS 341 - PROFESSIONAL PRACTICE IV: NURSING INQUIRY**

Professional Practice IV: Nursing Inquiry builds upon concepts introduced in Professional Practice I, II, and III, in this course, participants will explore the historical and philosophical approaches to the development of nursing knowledge and inquiry. Relationships between practice, theory, and research are explored.

**NURS 342 - GLOBAL HEALTH ISSUES**

Participants in this course continue to develop an understanding of people's experience with health and healing related to a variety of increasingly complex chronic and episodic global health challenges and issues. Emphasis is placed on the role of the nurse as care provider, community organizer/facilitator, educator and advocate within the context of the global society and the changing health care environment. Participants examine a variety of emerging health issues and trends using these as a context for further developing their personal understanding of nursing practice that supports meaningful interactions with individuals, families, groups, communities and society.

**NURS 350 - HEALTH & HEALING VII: PROMOTING COMMUNITY AND SOCIETAL HEALTH**

This course focuses on the role of the nurse in the promotion of community and societal health. It is a companion course with Health and Healing VI and participants will continue to develop their competencies in relational practice within the context of community and society as client. The political role of the nurse is explored as the emphasis is placed upon working with communities from a social justice and equity perspective. Community development and capacity building, as a pattern of community health promotion practice, is explored. In addition students will further develop their understanding of teaching and learning focusing on transformative and emancipatory approaches.

*Pre-requisites:* Promotion to Study Semester 5. Travel requirement.

**NURS 351 - NURSING PRACTICE VI: PROMOTING HEALTH OF COMMUNITIES & SOCIETY**

This nursing practice experience provides opportunities to develop caring relationships with families, groups, and communities and/or populations with emphasis on health promotion and community empowerment. Participants have opportunities to work with a community on an identified health issue.

*Pre-requisites:* Nursing Practice IV. Travel requirement.

**NURS 360 - PROFESSIONAL PRACTICE VI: NURSING RESEARCH**

(University of Victoria at Selkirk College). Building on Professional Practice II and III, the intent of this course is to enhance participants' understanding of nursing scholarship and enhance their abilities to comprehend, critique, and utilize nursing research. Participants critically reflect on various scholarly works and research methodologies. Participants experience ways to critically examine their practice in relation to nursing research and to pose research questions for evidence-informed practice.

*Pre-requisites:* Successful completion of Study Term 6.
NURSING PROGRAMS

NURS 370 - CONSOLIDATED PRACTICE EXPERIENCE III (SPRING, 6 WEEKS)
(University of Victoria at Selkirk College). This consolidated practice experience is designed to provide opportunities for participants to integrate learning from previous terms, and to advance their professional nursing practice. Participants have opportunities to consolidate learning and advance their decision making in a variety of settings. Nursing practice experiences consist of an eight week preceptorship. Attendance at course workshops is required.

Pre-requisites: Successful completion of Study Term 6. Travel requirement. Relocation may be required.

NURS 430 - PROFESSIONAL PRACTICE V: LEADERSHIP IN NURSING
(University of Victoria at Selkirk College). This course explores the ways nurses can provide leadership, influence, create and manage change for the promotion of health for individuals, families, groups and communities within the context of society and the world. Emphasis is placed on leadership roles of the nurse within practice contexts. The role of the nurse within the current and evolving Canadian health care system is explored including considerations of the impact of global trends and issues. Issues facing nurses in the current work environment will be discussed. Collaborative and ethical approaches for working within institutional philosophies and frameworks will be explored.

Pre-requisites: Nursing 350 and 351.

NURS 431 - NURSING PRACTICE VII: ENGAGING IN LEADERSHIP
(University of Victoria at Selkirk College). This nursing practice experience provides opportunities for participants to further develop their competencies in the areas of leadership, influencing and managing change, and the utilization of research for the purpose of promoting the health of individuals, families, communities and society, within the context of the Canadian health care system. This nursing practice experience focuses on participants' growth in their practice as professional nurses. They have opportunities to explore inter-professional practice and nursing leadership in the context of emerging Canadian and global health issues and trends.

NURS 470 - CONSOLIDATED PRACTICE EXPERIENCE IV (SUMMER 6 WEEKS)
(University of Victoria at Selkirk College). This consolidated practice experience is designed to provide opportunities for participants to integrate learning from previous semesters, and to advance their professional nursing practice. Participants have opportunities to consolidate learning and advance their decision-making in a variety of settings.

Nursing practice experiences consist of a six week preceptorship. Attendance at course workshops is required.

Pre-requisites: Nursing 370. Successful completion of Study Term 6. Travel requirement. Relocation may be necessary.

NURS 475 - CONSOLIDATED PRACTICE EXPERIENCE V (6 WEEKS)
(University of Victoria at Selkirk College). This final consolidated practice experience is designed to provide opportunities for participants to integrate learning from previous semesters, and to advance their professional nursing practice. In a variety of settings, students have opportunities to consolidate learning and advance their clinical decision-making. Nursing practice experiences consist of a six week practice. Attendance at course workshop is required.

Pre-requisites: Nursing 370 and 470. Successful completion of Study Term 7. Travel requirement. Relocation may be necessary.

NURS 491 - NURSING PRACTICE VIII (6 WEEKS)
This nursing practice experience provides opportunities for participants to consolidate their learning and explore the transition to professional nursing as a BSN graduate. Participants also explore transitions in the health care system and the workplace that affect nurses. Participants develop their practice and enhance their knowledge within a specific area, for example, a particular setting of practice, a certain client population, or a specific health challenge.

Pre-requisites: Nursing 370, 470, and 475. Travel Requirement. Relocation may be necessary.
Program Summary

The Nursing Unit Clerk program prepares students with the knowledge, skills and experience to work in a health care setting as a Nursing Unit Assistant (NUA), Nursing Unit Clerk (NUC), or Health Unit Coordinator/Hospital Unit Clerk (HUC).

WHAT IS A NURSING UNIT CLERK?
This is a unique and often little understood position. Persons in this job provide non-clinical support to the interdisciplinary health care team, working at a nursing station of a patient care unit. Nursing Unit Clerks play a vital role in managing information flow in the hospital nursing unit. They have been described as the "go-to" person and the "hub" of the nursing unit. They have been described as the "go-to" person and the "hub" of the nursing unit. The NUC performs tasks such as answering phones, taking and relaying messages, greeting people who come to the desk, answering questions, completing paperwork and computer data entry.

ROLES AND RESPONSIBILITIES
- Interpreting medical terminology and abbreviations
- Coordinating communications
- Using excellent, professional communication skills
- Protecting confidentiality and patient rights
- Processing physicians’ orders for patient care
- Processing patient admissions, transfers and discharges
- Collaborating with health care professionals
- Applying problem-solving and critical thinking skills

- Using organization, time-management and stress-management skills
- Entering and retrieving information utilizing electronic health records

TAKE THIS PROGRAM IF YOU
- Enjoy working in a busy, challenging and exciting team environment
- Have excellent communication skills, both verbally and in writing
- Are highly organized, detail-oriented, and able to multitask
- Are able to be flexible in the performance of your job duties
- Are able to work independently and collaboratively within a team

COMPLETION OPTIONS
The program is delivered in an online format; it is not available in a classroom on campus. Students must have computer skills to complete this program, i.e. be familiar with internet, e-mail, word processing and file management.

The program may be taken full-time or part-time. Full-time students need at least 20 hours of study time per week and complete the program in two semesters. Part-time students need at least 10 hours per week of study time and complete the program in four semesters. This is a scheduled program and the courses have designated start and end dates; it is not a self-paced program. Students are required to follow their program schedule and complete courses within the allotted time frame.

Course of Studies

<table>
<thead>
<tr>
<th>Course</th>
<th>Name</th>
<th>Credit</th>
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<tbody>
<tr>
<td>NUCL 146</td>
<td>Hospital Orientation</td>
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<td>NUCL 152</td>
<td>Patient Chart Records</td>
<td>Online 2.5</td>
</tr>
<tr>
<td>NUCL 154</td>
<td>Admissions, Discharges and Transfers</td>
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<tr>
<td>NUCL 156</td>
<td>Drug Nomenclature</td>
<td>Online 3</td>
</tr>
<tr>
<td>NUCL 162</td>
<td>Medication Orders</td>
<td>Online 2</td>
</tr>
<tr>
<td>NUCL 164</td>
<td>Laboratory Orders I</td>
<td>Online 2</td>
</tr>
<tr>
<td>NUCL 166</td>
<td>Laboratory Orders II</td>
<td>Online 2</td>
</tr>
<tr>
<td>NUCL 168</td>
<td>Diagnostic Orders</td>
<td>Online 2</td>
</tr>
<tr>
<td>NUCL 170</td>
<td>Medical / Surgical Orders</td>
<td>Online 2</td>
</tr>
<tr>
<td>NUCL 180</td>
<td>Practicum</td>
<td>Practicum 4</td>
</tr>
</tbody>
</table>

Total 24

Additional Information

This job belongs to the Hospital Employees Union (HEU) in BC and you can find their benchmark for the position on their website: http://www.heu.org/members/benchmarks/facilities-benchmarks, 10317 Nursing Unit Assistant.

There is a professional association for this job based in the United States called the National Association of Health Unit Coordinators (NAHUC). Canadians can also join this association. You can find information on their website: www.nahuc.org

NAHUC has a video on YouTube that provides more information about the role of the Health Unit Coordinator. You can view it at this link: https://www.youtube.com/watch?v=D0tnK8FzRHE

PRACTICUM PLACEMENT
This is a clinical placement in an acute care hospital where students work under the supervision of an experienced NUC/NUA/HUC. Placement requests are sent to a hospital of the student’s choice in their local area. Prospective hospitals are contacted by the College only; students are not to solicit placements. Every attempt is made to find a placement in the student’s local area, but in some cases the student may be required to travel to another area.

Alberta Health Services can no longer accept out-of-province practicum requests so we are not able to request practicum placements in Alberta.

ALBERTA HEALTH SERVICES CAN NO LONGER ACCEPT OUT-OF-PROVINCE PRACTICUM REQUESTS SO WE ARE NOT ABLE TO REQUEST PRACTICUM PLACEMENTS IN ALBERTA.
IMMUNIZATIONS
Health authorities require students working on patient care units to have the immunizations for health care workers. Selkirk College’s Immunization Record (contained in the application package) lists all these immunizations and must be completed according to the instructions that come with it in order for an applicant to be accepted into the NUC program. You can find more information about immunizations for health care workers at the HealthLinkBC website: https://www.healthlinkbc.ca/healthlinkbc-files/immunization-health-care-workers

PRIOR LEARNING ASSESSMENT
Applicants who are currently working or who have worked in the last two years in a NUC/NUA/HUC position are eligible to apply for prior learning assessment (PLA) for the NUC program to obtain their certification. Selkirk College’s PLA policy is that a student can apply for PLA for up to 75% of a program. Full tuition fees apply for courses obtained through PLA. For more information about PLA please contact the NUC Program Instructor, Erna McCall.

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**Admission Requirements**

Fully qualified applicants are accepted in the order in which their applications are received and completed, therefore, it is important that the application form and supporting documentation are submitted as early as possible.

For an Application to be considered complete, Admissions must be provided with a completed application form and documentation of the following:

**ACADEMIC REQUIREMENTS**
- High school graduation transcript – acceptable equivalent or mature student status is also accepted.
- Medical Terminology levels I & II – MTAT 140 & MTAT 141 or equivalent. These courses must be obtained from Selkirk by distance education.
- MTAT 140: Medical Terminology I: 30 hours (information on start dates and costs)
- MTAT 141: Medical Terminology II: 90 hours (information on start dates and costs)
- Criminal Record Check with BC Ministry of Justice
- Completed Selkirk College Immunization Forms (within application package)

**PRE-REQUISITE MEDICAL TERMINOLOGY COURSES**
- If you have completed medical terminology courses, send your transcripts and a course outline to Admissions with your application. The college must have those to determine course comparability.
- If you need to complete the pre-requisite medical terminology courses, please email Distance Admissions to register for these courses. Admissions must have a completed application and payment of the application fee before they can register you for any courses. Admissions can provide you with information about the medical terminology courses such as the next available start dates, fees, course time frames, etc. We recommend you register for these courses as soon as possible after submission of your application, as they are popular and there is limited enrollment.

**COMPLETING YOUR APPLICATION FILE**

Once Distance Admissions has received proof of completion of the medical terminology courses and all other supporting documentation for the program pre-requisites, your file will be considered complete. Admissions will send you an acceptance letter one your application file is complete. This letter will contain the next available NUC program start date and instructions on how to get started in the program.

**Program Courses**

**NUCL 146 - HOSPITAL ORIENTATION**
This course introduces the learner to hospital departments, staff and communications, with emphasis on the role of the Nursing Unit Clerk (NUC) as the communications coordinator for the nursing unit. Information is given about processing physicians’ orders for patient care, confidentiality and ethics, hospital codes, coping skills and technology in the workplace.

**Pre-requisites:** Acceptance to the NUC Certificate Program

**NUCL 152 - PATIENT CHART RECORDS**
This course introduces the learner to the forms used to create patient charts in the hospital. Information is given about how to create a patient admission chart, discharge chart, and transfer chart and discharge chart. Actual forms are used for practice.

**Pre-requisites:** NUCL 146 - Hospital Orientation

**NUCL 154 - ADMISSIONS, DISCHARGES AND TRANSFERS**
This course introduces the learner to the Nursing Unit Clerk’s (NUC) role in admission, discharge and transfer procedures within the hospital. Information is given about antibiotic resistant organisms and isolation procedures, the Admitting/Registration Department, their role in admitting patients, and how the NUC interacts with this department. Using case study examples and actual forms from the hospital, the learner creates a mock patient admission chart, transfer chart and discharge chart.

**Pre-requisites:** NUCL 152 - Patient Chart Records
NUCL 156 - DRUG NOMENCLATURE
This course introduces the learner to the brand names, generic names and actions of some drugs commonly used in the hospital. Six general categories of drugs are covered, including drugs that affect the cardiovascular system, respiratory system, nervous system, gastrointestinal system, hormones and synthetic substitutes, and drugs for the treatment of infectious disease. Information is also given about pharmacological preparations, terminology and abbreviations. This course provides the learner with the pharmaceutical knowledge required to process physicians' medication orders.

Pre-requisites: NUCL 146 - Hospital Orientation

NUCL 162 - MEDICATION ORDERS
This course introduces the learner to physicians' medication orders and the Nursing Unit Clerk's role in processing medication orders. Information is given about the use of abbreviations and acronyms, the components of a medication order, routes of administration and administration times. The course also introduces the learner to intravenous (IV) therapy, the components of an IV infusion order and the NUC's role in processing IV infusion orders. Actual forms with physician orders are included.

Pre-requisites: NUCL 156 - Drug Nomenclature

NUCL 164 - LABORATORY ORDERS I
This course introduces the learner to five subdivisions within the Laboratory (Lab), the role of the Nursing Unit Clerk (NUC) in processing Lab test orders, and how the NUC interacts with the Lab. Information is given about the various specimens obtained for testing, abbreviations and acronyms used in Lab test orders, and requisitions used for Hematology and Chemistry subdivisions.

Pre-requisites: NUCL 146 - Hospital Orientation

NUCL 166 - LABORATORY ORDERS II
This course introduces the learner to the Microbiology, Transfusion Services and Pathology subdivisions of the Laboratory (Lab) and the Nursing Unit Clerk's role in processing orders for these subdivisions. Information is given about the use of abbreviations and acronyms, specimens obtained and requisitions used for these subdivisions, and for specimens sent out to British Columbia Cancer Agency (BCCA) and the British Columbia Centre for Disease Control (BCCDC) provincial Labs. Actual requisitions and physicians' orders will be used for practice.

Pre-requisites: NUCL 164 - Laboratory Orders I

NUCL 168 - DIAGNOSTIC ORDERS
This course introduces the learner to the diagnostic departments of Diagnostic Imaging, Electrodiagnostics and Pulmonary Laboratory within the hospital and the Nursing Unit Clerk's role in processing diagnostic orders. Information is given about abbreviations and acronyms, requisitions and preparations for diagnostic procedures. Actual requisitions and physicians' orders from the hospital will be used for practice.

Pre-requisites: NUCL 146 - Hospital Orientation

NUCL 170 - MEDICAL / SURGICAL ORDERS
This course introduces the learner to admitting, pre-operative (pre-op), discharge and post-operative (post-op) orders and is an accumulation of information learned in previous courses. Information is included about abbreviations and acronyms used for surgical procedures and the Nursing Unit Clerk's role in processing these types of orders. A sampling of actual, typical orders from medical and surgical units is included. The course will assist the learner in reviewing all program information.

Pre-requisites: Successful completion of all previous theory courses in the Nursing Unit Clerk Program: NUCL 146, NUCL 152, NUCL 154, NUCL 156, NUCL 162, NUCL 164, NUCL 166 and NUCL 168.

NUCL 180 - PRACTICUM
The Practicum course provides the learner with a consolidated clinical experience where they can apply theory from the Nursing Unit Clerk Program. Students work full shifts with an experienced Nursing Unit.

Pre-requisites: Successful completion of all theory courses in the Nursing Unit Clerk Certificate Program: NUCL 146, NUCL 152, NUCL 154, NUCL 156, NUCL 162, NUCL 164, NUCL 166, NUCL 168 and NUCL 170.

Contacts

DISTANCE ADMISSIONS
Program Contact
Direct: 250.365.1425
Email: distanceadmissions@selkirk.ca

ERNA MCCALL
Instructor/Program Contact, Nursing Unit Clerk
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TERESA PETRICK
School Chair, Health and Human Services
Phone: 250.365.7292 ext 21442
Direct: 250.365.1442
Email: tpetrick@selkirk.ca
Year 2

The Office Management Diploma combines the Business Administration program to provide a strong foundation in the principles of Office Management.

- Students are to select 15 credits per semester for 30 credits total from the following list to fulfill the latter half of the program’s requirements.
- Students may complete parts of the second year requirements prior to enrolling for the CotR program.
- GPA of 3.0 or higher in the CotR programs is a graduation requirement for the Office Management Diploma at Selkirk College.

*The course of studies outlined below is applicable for students studying full-time starting in September. For more information on the course of studies as a part-time student or when starting in January or May, please contact the Program Advisor.

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<tr>
<th>SEMESTER 3</th>
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<tr>
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<td>ADMIN 269</td>
<td>Information Systems</td>
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</tr>
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<td>ADMIN 272</td>
<td>Commercial Law</td>
<td>On Campus 3</td>
</tr>
<tr>
<td>ADMIN 286</td>
<td>Human Resource Management</td>
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</tr>
<tr>
<td>ADMIN 293</td>
<td>Electronic Commerce</td>
<td>On Campus 3</td>
</tr>
<tr>
<td>COMM 220</td>
<td>Principles of Organizational Behaviour</td>
<td>On Campus 3</td>
</tr>
<tr>
<td>ECON 106</td>
<td>Principles of Macroeconomics</td>
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<td>ADMIN 181</td>
<td>Marketing</td>
<td>On Campus 3</td>
</tr>
<tr>
<td>ADMIN 250</td>
<td>Managerial Accounting</td>
<td>On Campus 3</td>
</tr>
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<td>ADMIN 295</td>
<td>Strategic Management</td>
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<td>ADMIN 296</td>
<td>International Business</td>
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<td>ADMIN 297</td>
<td>Developing a Business Plan</td>
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<tr>
<td>COMM 241</td>
<td>Financial Accounting II</td>
<td>On Campus 3</td>
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</table>

Program Summary

Office administrators and executive assistants are vital assets to all organizations, big and small. Expertise in administrative software and applications, operations processes, effective communication and management theory means you'll have a competitive edge and expand your career potential. Our program gives you both theoretical knowledge and practical training to set you up for success.

Delivered in a combination of online and in class sessions, you’ll get a balanced understanding of how an office functions on a day-to-day basis, as well as learn how to apply higher-level managerial concepts.

TAKE THIS PROGRAM IF YOU’RE
- A good communicator
- Good with computers
- Highly organized
- Interested in accounting software
- Management oriented

You’ll get Business Administration program to prepare you for real-world administrative and management positions.

Admission Requirements

In addition to meeting the general entrance requirements for admission to Selkirk College, applicants must meet the following Office Management program requirements:

- Grade 12 graduation or equivalent.
- Grade of “C+” or better in English 12 or equivalent.
- Foundations of Math 12 or Pre-calculus 11 with a grade of “C+” or better.
- GPA of 3.0 or higher in the College of the Rockies (CotR) programs is a graduation requirement for the Office Management Diploma at Selkirk College.
- Students may complete parts of the second year requirements prior to enrolling for the CotR program.
- Students must meet the CotR admission requirements to gain entry into their certificate programs.

Careers

The objective of the program is to graduate individuals who have practical office skills together with administrative and management training.

The program is the direct result of the need for skilled administrative office management personnel.

Co-op Education

CO-OP EDUCATION OBJECTIVES

Co-op Education is a process of education that formally integrates students’ academic study with periods of related work experience in cooperating employer organizations. Selkirk College’s Co-op Education programs are designed within guidelines established by the Canadian Association for Co-operative Education (CACE) and in consultation with federal and provincial government agencies.
ADMN 181 - MARKETING
ADMN 181: Marketing introduces students to basic concepts and principles of marketing. Topics include Canadian entrepreneurship, small business management, evaluation of business opportunities, and marketing management. Market planning will be emphasized as well as practical decision making in regards to evaluating the business environment, market segmentation, market research, and strategy choices. The marketing mix or product, price, place of distribution, and promotion will be discussed in depth.
Pre-requisites: Accepted to the Business Administration Program

ADMN 250 - MANAGERIAL ACCOUNTING
ADMN 250: Managerial Accounting is an introduction to management accounting concepts and methods. Main topic areas include: job order and process costing, budgeting and responsibility accounting, identification of costs relevant to price, product, and replacement decisions, cost/volume/profit relationships, cost control through flexible budgets, standard costs, and variance analysis.
Pre-requisites: COMM 240/241 or equivalent with a grade of "C" or better.

ADMN 252 - FINANCIAL MANAGEMENT
ADMN 252: Financial Management examines the role of finance and the tools and environment of financial decision-making. Topics include: Time value of money, foundations for valuation, financial analysis and planning, management of current assets and liabilities, capital budgeting, risk and return, and personal finance.
Pre-requisites: COMM 240/241 or equivalent with a grade of "C" or better.

ADMN 269 - INFORMATION SYSTEMS
ADMN 269: Information Systems examines the relationships and distinctions between Management Information Systems (MIS) and Accounting Information Systems (AIS). Students will examine the standard categories of business transactions and how these transactions flow through the organization, are documented, stored (with emphasis on databases), and are reported for use by both internal and external users. Accounting information systems development will be studied with emphasis on systems analysis and design, internal controls, and proper documentation.
Pre-requisites: COMM 240/241 or equivalent with a grade of "C" or better.

ADMN 272 - COMMERCIAL LAW
ADMN 272: Commercial Law is an introduction to law as it applies to business. The development of the courts and the machinery of justice will be outlined. A study will then be made of torts and negligence, and of contracts including their formation, impeachment, breach, assignment and discharge. Methods of carrying on business such as employer/employee, proprietorship, partnership, agency and incorporation will be introduced and compared.
Pre-requisites: COMM 220 and ADMN 171 or equivalent with a grade of "C" or better.

ADMN 285 - STRATEGIC MANAGEMENT
ADMN 285: Strategic Management is a capstone course integrating the varied disciplines in business including accounting and finance, marketing, operations, economics, forecasting, and management, into a comprehensive knowledge base which becomes a foundation for strategic planning. Students’ participation in class and in team projects and analysis of business cases are core components of this course.
Pre-requisites: ADMN 171, ADMN 181, COMM 240 or equivalent with a grade of "C" or better.

ADMN 286 - HUMAN RESOURCE MANAGEMENT
ADMN 286: Human Resource Management is an examination of how to most effectively utilize and manage the human element in work organizations including staffing, training and development, appraisal and compensation, industrial relations and human resources planning.
Pre-requisites: COMM 220 and ADMN 171 or equivalent with a grade of "C" or better.

ADMN 293 - ELECTRONIC COMMERCE
ADMN 293: Electronic Commerce is an introduction to the business models, infrastructure, strategies, design and analysis of electronic commerce business solutions. The role of electronic commerce in changing society is also an important topic. The primary aim of this course is to identify key management considerations required in implementing e-commerce business solutions.
Pre-requisites: ADMN 181 and ADMN 171 with a grade of "C" or better.

ADMN 295 - INTERNATIONAL BUSINESS
ADMN 295: International Business offers an in-depth review of basic concepts, institutional practices and developments in the global business environment. The course also offers an introduction to international business management. Core management topics will be examined within an international framework. The course emphasizes the development of critical thinking skills, and aims to link developments in the international business environment into everyday life. In this way, students may be able to integrate concepts and institutional practices into a practical, work-oriented environment.
Pre-requisites: ADMN 181, ADMN 171, COMM 240 or equivalent with a grade of "C" or better.
ADMN 297 · DEVELOPING A BUSINESS PLAN
ADMN 297: Developing a Business Plan examines the process of researching and developing a business plan. A business plan provides a comprehensive framework for a firm’s marketing, financing and operational activities. Students will research and develop a business plan to assess the viability of a proposed business venture. Students will also learn to critically assess the viability of a business plan through completing a due diligence process.

Pre-requisites: ADMN 171 & ADMN 181, COMM 220 & COMM 241 or equivalent with a grade of “C” or better.

COMM 220 · PRINCIPLES OF ORGANIZATIONAL BEHAVIOUR
The Business Administration Principles of Organizational Behaviour course is an introduction to the behaviour, relationships, and performance of individuals and groups in work organizations as well as the nature of organizational structure and processes. Organizational dynamics are examined with a view to creating an effective working environment from a human perspective.

Pre-requisites: Accepted to the Business Administration Program

COMM 241 · FINANCIAL ACCOUNTING II
COMM 241: Financial Accounting II is the second financial accounting course, reviewing and enlarging upon concepts and principles, their application to and effect upon financial statements. Topics include: capital and intangible assets, current and long-term liabilities, partnership accounting, accounting for corporate transactions, notes and bonds payable, the cash flow statement, and financial statement analysis.

Pre-requisites: COMM 240 with a grade of “C” or better.

ECON 106 · PRINCIPLES OF MACROECONOMICS
ECON 106: Principles of Macroeconomics covers topics including: national income accounts, national income determination model, monetary system, monetary and fiscal policy, problems with the Macro System, inflation, unemployment, etc.; international trade - balance of payments, exchange rates, capital flows.

Pre-requisites: ENGL 12 or equivalent with a grade of “C” or better.
Open Studio Advanced Certificate

Program Summary

The goal of Open Studio is to provide students the opportunity to pursue their craft in a challenging creative community that rewards intellectual and creative risks.

Under the direction of a faculty member, this program is primarily independent studio time with emphasis on the production of a coherent body of work.

Creating A Community

Artists tend to develop and mature in their craft, around other artists. Open Studio is about creating a community of artists where learning, mentoring and exploring new innovative practices happens every day.

Open Studio Design

You will meet with a faculty member in your chosen studio before you start the program. If accepted, you will submit a design brief and/or written proposal to the studio which will guide your course of action, indicating design theme/concept, illustrations, workplan and techniques.

Your proposal must be completed by the second week of the course. The design brief will form the basis of the contract for the work to be completed. Any changes to the contract must be made in consultation with faculty and presented in writing.

Self-Directed Studies

While you are expected to be primarily self-directed, you will be expected to spend between 18 and 30 hours per week, depending on the length of study chosen, in your chosen studio. Instructor(s) are available during class time for individual consultation specifically relating to the development of your body of work.

Admission Requirements

In addition to meeting the general entrance requirements for admission to Selkirk College, an applicant must meet the following Kootenay Studio Arts program (KSA) entrance requirements.

Questionnaire

All applicants must complete and submit the following questionnaire at least one week prior to their scheduled interview date. The questionnaire helps us to understand the applicant's interest and commitment to the studio program.

Interview

All applicants are required to participate in an interview with a program instructor from the Kootenay School of the Arts program. Telephone interviews will be arranged for those applicants who, because of distance, cannot attend in person. The interview is an opportunity for applicants to introduce themselves, present their work and discuss their interests within the arts. The instructor will assess the applicant's preparedness for entry into the program and will ask about commitment, goals and expectations, design knowledge, experience and communication skills. It is also an opportunity for applicants to ask any questions they might have about the program and for faculty to recommend upgrading if necessary.

Portfolios

The portfolio is designed to assess your skill level to help instructors increase your chances of success in your studio program. KSA is looking for a demonstration of visual awareness, creativity and technical skill. The portfolio pieces may be of any medium and they need not be specific to studio preference.

Portfolio Guidelines

- The number of pieces in an applicant's portfolio will vary depending on the manner in which the applicant works. Generally, the admissions committee would like to see a minimum of six and a maximum of twenty-four pieces.
- Portfolios can be submitted by using the online form or mailed to Kootenay Studio Arts.
- Two-dimensional works may be presented in their original form. Three-dimensional pieces or any works on a large scale should not be brought to the interview but represented by slides or photographs.
- An applicant's portfolio must be the applicant's own original work. It can include variations and modifications of existing work.
- Applicants should organize their work and set it out so that it shows development over a period of time or group it according to type.
- Applicants should bring their workbooks and journals. School assignments and independent explorations will also be helpful to the Admissions Committee.
- Applicants must keep their presentations simple and neat. Work should not be matted or elaborately framed.

Every precaution is taken to ensure that portfolios are handled with care. KSA does not accept responsibility for any loss or damage to submitted materials. All portfolios that the school has not been able to return to applicants by November 15 will be recycled.

Program Course

KSA 295 - Open Studio

KSA 295 Open Studio provides an opportunity for students, in consultation with a faculty member, to develop their design, time management and advanced studio skills through the production of a body of work. Emphasis will be on creative expression and the demonstration of the students’ technical and/or design abilities. Students will prepare and submit a professional quality design brief/written proposal to the studio which will guide their course of action, indicating design theme/concept, illustrations, workplan and techniques. This proposal must be completed by the second week of the course. The design brief will form the basis of the contract for the work to be completed. Any changes to the contract must be made in consultation with faculty and presented in writing. While students are expected to be primarily self directed, attendance and participation in scheduled classes is mandatory. Instructor(s) are available during class time for individual consultation specifically relating to the development of the body of work. There will be critiques and discussion of the work in progress.

Prerequisites: Completion of KSA Certificate or Diploma at Kootenay Studio Arts, or equivalent or by permission of the School Chair.

Contacts

Carol Ridge
Enrolment Officer
Phone: 250.365.7292 ext 21324
Direct: 250.365.1324
Email: cridge@selkirk.ca

Kootenay Studio Arts
Program Contact
Phone: 877.552.2821
Email: arts@selkirk.ca

Daryl Jolly
School Chair
Phone: 250.352.2821 x13296
Email: djolly@selkirk.ca

Laura White
Jewelry Instructor/Coordinator
Phone: 250.352.2821 x13296
Email: lwhite@selkirk.ca
**Peace and Justice Studies**

**Year 1**
The following is a suggested mix of courses to satisfy requirements for the liberal arts diploma in peace and justice studies. Peace and justice studies electives can be university transferable courses in a variety of disciplines to suit a student's interest and education plan. Courses should be chosen only after consultation with a Selkirk College counsellor.

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**Total 15**

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**Total 15**

**Year 2**

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<td>PEAC 201</td>
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<td>From Water to Chocolate: Environment, Conflict and Justice</td>
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<tr>
<td>PEAC 203</td>
<td>PEAC</td>
<td>Introduction to Transformative Justice: Theory and Practice</td>
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**Total 15**

**Program Summary**
Take this program if you have a strong desire to not only understand human conflict, but to help put an end to the world's needless suffering through viable peace-based methods and practices.

**PROGRAM OVERVIEW**
The two-year Peace and Justice Studies Diploma emphasizes building cultures of peace through interdisciplinary study, conflict analysis and transformation and service learning. Students also have the opportunity to study internationally in PEAC 205: Global Perspective in Peace: An Independent Studies Course.

The global landscape is changing as individuals and groups seek new ways to address conflict that adheres to principles of nonviolence and sustainability. In these exciting times, you can strive to be part of the global peace movement that looks at these events in a different light, choosing to see hope and optimism by viewing situations from the perspective of peace and justice.

Emphasizing peace from the interpersonal to the international, this program combines courses in humanities and social sciences and gives you opportunities to engage in various service learning experiences or in self-directed peace studies related academic research.

**THEMES**
- Environment
- Restorative Justice
- Leadership
- International Development
- Social Justice
- Human Rights
- Non-Violence
Conflict Transformation, and Conflict Free. Nonviolent Communication, Peacemaking Circles, and alternative dispute resolution methods, such as mediation and nonviolent resistance; as well as key concepts in arbitration, negotiation, and the practice of non-traditional approaches to Conflict Resolution. Students will be introduced to general principles of English 110 is about thinking and writing. You will learn how to develop and express informed opinions on issues that matter. You will also learn about research, editing, and expository and persuasive academic writing forms.

**Admission Requirements**

Admission to the program requires the completion of English 12 with a grade of "C" or better or written permission of the Instructor and School Chair. Other prerequisites depend on the electives chosen to complete the program and should be determined with the advice of a Selkirk College counsellor.

If you are a student who lacks the admission requirements, you may still gain entry to the program by taking a combination of university courses in your first year. This may extend the length of your program.

**Program Courses**

**ENGL 110 - COLLEGE COMPOSITION**

English 110 is about thinking and writing. You will learn how to develop and express informed opinions on issues that matter. You will also learn about research, editing, and expository and persuasive academic writing forms.

**Pre-requisites:** A "C" or better in ENGL 12 or equivalent or LPI level A or written permission of the Instructor and School Chair.

**PEAC 100 - PEACE STUDIES I**

PEAC 100: Peace Studies I is an interdisciplinary and values-based course that is the first of two introductory core courses in Peace Studies. Readings will include United Nations documents, as well as essays and excerpts from the writings of philosophers, anthropologists, psychologists, and peace researchers. Students will thus gain familiarity with literature addressing a broad range of past and current theories and discourse related to peace and conflict. Through their own reflection and working collaboratively in groups, students will have the opportunity to move from theory to practice in one of the most challenging issues of humanity's collective experience: building cultures of peace.

**Pre-requisites:** English 12 with a grade of "C" or better, or written permission of the Instructor and School Chair.

**PEAC 101 - PEACE STUDIES II**

PEAC 101: Peace Studies II is the second of two introductory core courses in Peace Studies at Selkirk College. This course will focus on traditional and non-traditional approaches to Conflict Resolution. Students will be introduced to general principles and key concepts in arbitration, negotiation, mediation and nonviolent resistance; as well as alternative dispute resolution methods, such as Nonviolent Communication, Peacemaking Circles, Conflict Transformation, and Conflict Free Conflict Resolution. Students will practice identifying, analyzing, role playing, mapping, and peacefully resolving or transforming conflicts that range from the interpersonal to the international.

**Pre-requisites:** English 12 with a grade of "C" or better, or written permission of the Instructor and School Chair. PEAC 100 recommended.

**PEAC 201 - FROM WATER TO CHOCOLATE: ENVIRONMENT, CONFLICT AND JUSTICE**

PEAC 201: From Water to Chocolate: Environment, Conflict, and Justice is an examination of selected global political-ecological issues, including conflict minerals, child slavery, climate change, and water wars; as well as the power and potential of various pathways to peace, including nonviolent direct action, Indigenous solidarity, fair trade, international accompaniment, ecological restoration, and environmental peacebuilding.

**Pre-requisites:** Second year standing or written permission of the Instructor and School Chair.

**PEAC 202 - LEADERSHIP FOR PEACE: THE INDIVIDUAL AND SOCIAL TRANSFORMATION**

PEAC 202: Leadership for Peace: The Individual and Social Transformation begins with the understanding that leadership for peace is, at its foundations, leadership for human rights and social justice; and with the further insight that social transformation is always joined with inner transformation, to the individual who “can change the world”. PEAC 202 examines leadership and peace in relation to issues of authority, power, legitimacy, and the will to truth, reconciliation, compassion, and healing. A significant part of this course is a service-learning assignment, to be determined by the student in conjunction with faculty.

**Pre-requisites:** English 12 or equivalent with a grade of "C" or better, or written permission of the Instructor and School Chair. PEAC 201 strongly recommended.

**PEAC 203 - INTRODUCTION TO TRANSFORMATIVE JUSTICE: THEORY AND PRACTICE**

PEAC 203: Introduction to Transformative Justice: Theory and Practice explores the theory and practice of transformative justice. Themes include retribution, punishment and deterrence; Indigenous approaches to justice; trauma and healing; shame and empathy; community, belonging, forgiveness, and reconciliation. These are explored at a variety of scales, from the interpersonal to the global, and in various contexts – from the Canadian criminal justice system to transitional justice following war, apartheid, and colonial subjugation. Students will gain familiarity with the applied practices of victim-offender mediation, family-group conferencing, peacemaking circles, and truth and reconciliation commissions; and also learn how restorative practices are being used in environmental contexts and in our schools.

**Pre-requisites:** English 12 or equivalent with a grade of "C" or better, or recommended PEAC 100 and 101.

**- GENERAL UAS ELECTIVE**

A student may take any first-year or higher university transferable course to satisfy this elective. Each course must transfer for three or more credits to at least one of: SFU, UBC (Vancouver or Okanagan), UNBC or UVIC. To learn more about how your courses transfer visit the online BC Transfer Guide or contact a Selkirk counsellor.

**Contacts**

**UNIVERSITY ARTS & SCIENCES ADMISSIONS**

Admissions Officer (Castlegar)
Phone: 1.888.953.1133 ext 21233
Direct: 250.365.1233
Email: admissions@selkirk.ca

**UNIVERSITY ARTS & SCIENCES**

Program Contact
Phone: 1.888.953.1133 ext 21205
Direct: 250.365.1205
Email: UAS@selkirk.ca

**TRACY PUNCHARD**

School Chair of UAS; Instructor, English
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Email: tpunchard@selkirk.ca
### Program Summary

Pharmacy Technicians work collaboratively with Pharmacists and members of the health care team in the promotion of wellness, disease prevention, and the management of chronic diseases. Pharmacy Technicians are responsible and accountable for ensuring accuracy in product preparation and release.

Selkirk College’s Pharmacy Technician program prepares graduates for employment as pharmacy technicians in a variety of settings including community, hospital, and residential pharmacies. Graduates have the knowledge, skills, and attitudes necessary to meet the entry-level competencies defined by the National Association of Pharmacy Regulatory Authorities (NAPRA).

The program has been awarded the status of Full Accreditation by the College of Pharmacists of British Columbia registration process.

The program is delivered using a blend of online theory courses, face-to-face lab classes and practicum hours in both hospital and community. Beginning August, 2018, the program will be 15 months in length and consist of three theory semesters, one lab semester, followed by eight weeks of practicum. Students are required to re-locate to the Castlegar Campus for seven weeks to complete the face-to-face labs where they apply theory learned in the online courses and prepare for practicum.

**CONSIDER THE PHARMACY TECHNICIAN PROGRAM IF YOU**
- Are detailed-oriented and well organized
- Enjoy working in a fast paced team environment
- Are self motivated and is committed to life long learning
- Have strong interpersonal communication and critical thinking skills
- Enjoy computer technology
- Are caring and empathetic

### Admission Requirements

This program is open to Canadian and landed immigrant students living in Canada.

**ACADEMIC REQUIREMENTS**

BC High School graduation or equivalent with grades of C (60%) or higher in:
- Biology 12
- English 12
- Chemistry 11
- Pre-Calculus 11 or Foundations of Math 12

English Language Proficiency: Applicants are required to submit documentation of one of the following as evidence of language proficiency:
- Graduation from a high school in Canada with three consecutive first language English courses/credits
- Language proficiency test results that meet the NAPRA Language Proficiency Requirements for Licensure as a Pharmacy Technician in Canada
- An undergraduate degree from a university in Canada whose instruction was provided in English

**NON-ACADEMIC REQUIREMENTS**

- Criminal Record Check (CRC) from the BC Ministry of Justice
- Applicant Information Questionnaire
- Current computer skills including knowledge/skill in navigating the internet, word processing, file management, and email. Applicants are encouraged to complete the Computer Skills Self-Assessment
- College Readiness Tool (CRT) upon acceptance to the program and prior to starting the program; for more information see selkirk.ca/services.crt.
- Immunizations for health care workers as established by the BC Ministry of Health prior to starting practicum
- WHMIS, Basic First Aid and CPR (C) completed prior to starting lab courses

### Course of Studies

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<td>PTEC 104</td>
<td>Pharmacy Billing, Regulations and Protocols</td>
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<td>PTEC 105</td>
<td>Pharmacy Calculations</td>
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<td>PTEC 108</td>
<td>Pharmacology II</td>
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<tr>
<td>PTEC 110</td>
<td>Pharmacy Practice II</td>
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<tr>
<td>PTEC 113</td>
<td>Introduction to Aseptic Technique</td>
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<td>PTEC 115</td>
<td>Prescription Dispensing Lab</td>
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</tr>
<tr>
<td>PTEC 116</td>
<td>Compounding Lab</td>
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<td>PTEC 119</td>
<td>Computer Skills for Prescription Processing</td>
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<td>PTEC 129</td>
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Please make sure you meet all admission expectations this career choice can have for you.

Pharmacy Technicians Assist in a Variety of Technical Tasks. Qualifications desired are:

- strong organization and communication skills
- respect and confidentiality of patient information
- computer literacy/proficiency in pharmacy software programs

Duties May Include:

- compounding pharmaceuticals
- sterile product preparation (hospital)
- preparing medication for dispensing
- third party billing
- purchasing, merchandising, inventory control and records maintenance

As a member of the healthcare team, qualified graduates find employment in hospitals, clinics and retail pharmacies. New and expanding opportunities are becoming available for careers with insurance companies, pharmacy software vendors, pharmaceutical manufacturing and clinical research. As healthcare organizations restructure to decrease healthcare costs, it is anticipated that a well-trained Pharmacy Technician will have increased opportunities for employment.

When considering the Pharmacy Technician Program, you may wish to do some research regarding traditional and non-traditional career opportunities. This could involve visiting your local hospital and retail pharmacies to talk to pharmacists and pharmacy technicians about the requirements and expectations this career choice can have for you.

Application Information

- Fill out general application form
- Please make sure you meet all admission requirements, including the general admission requirements for the college and the specific admission requirements for your chosen program (these are listed in each program area)
- International Students (students who are applying to Selkirk College from locations outside of Canada) should follow the application steps required by Selkirk International

Documents Needed to Support Application

- Official transcripts from high school and all post-secondary institutions attended (mailed directly from the Ministry of Education and educational institutions)
- Official Transcripts, Equivalence Reports, and English Proficiency Test results for internationally educated applicants
- Criminal Record Check (CRC) from the Ministry of Justice (instructions in Application Package)
- Immunization Record in Application Package (can be completed upon acceptance to the program)
- Two Personal Reference Forms completed and submitted directly to the Admission Office (found in Application Package)
- Applicant Information Questionnaire (found in Application Package)
- Evidence of Computer Skills

Contact DistanceHealth@selkirk.ca for further information.

Program Courses

PTEC 100 - Pharmacy Seminar
PTEC 100: Pharmacy Seminar, provides a discovery course for students to become familiar with the profession of pharmacy technician; the roles and responsibilities of all members of the pharmacy team and the importance of intra and inter professional collaboration in the pharmacy environment. Patient care and product distribution are explored to give students a foundation in these areas that will be further discovered in other courses in the program. During the first week students are introduced to a program orientation site that prepares them to work in our online environment.

Pre-requisites: Acceptance into the Pharmacy Technician Program.

PTEC 104 - Pharmacy Billing, Regulations and Protocols
PTEC 104: Pharmacy Billing, Regulations and Protocols provides a general understanding of provincial and federal legislation as it applies to pharmacy, pharmacists and the dispensing of pharmaceuticals. The roles and responsibilities of the pharmacist and pharmacy technician are clearly defined including discussions on scopes of practice and pharmacy ethics. Provincial and other third party plans are discussed to determine claim processes used by each agency. Included is identification of drug diversion practices and guidelines for prevention.

Pre-requisites: Acceptance into the Pharmacy Technician Program.

PTEC 105 - Pharmacy Calculations
PTEC 105: Pharmacy Calculations, beginning with the fundamentals of pharmaceutical calculations students explore measurement systems, decimals, fractions, and ratio and proportion concepts for submission of practice, assignment and exam calculations. Emphasis is on the metric system, in keeping with health care standards in Canada. The interpretation of numerals, symbols and Latin abbreviations used in the pharmacy is a focus within all course assignments and exams. Exploration of dilution and concentration, percentage strength, and compounding calculations prepare students for hands on lab classes in dispensing, compounding and sterile product preparation.

Pre-requisites: Acceptance into the Pharmacy Technician Program.

PTEC 106 - Merchandising Concepts
PTEC 106: Merchandising Concepts is an introduction to retailing and human relations in a community pharmacy environment. A pharmacy is an important part of the health care system as well as a place of business. Basic principles of retailing include: location, image, store design, consumer profiles and customer support services. Procedures for inventory management include: purchasing, receiving, inventory control and business math. Written and verbal communication skills required for the work setting will be covered in this course. Time management, conflict resolution, patient confidentiality, customer service and resume writing are included.

Pre-requisites: Acceptance into the Pharmacy Technician Program.

PTEC 107 - Pharmacology I
PTEC 107: Pharmacology I, is part one of a two-part course that introduces the study of drugs and their properties, effects, and therapeutic value in the major drug categories. This course offers direct contact with a pharmacist and opportunity to collaborate and illustrate scope of practice. Upon completion, students should be able to place major drugs into correct therapeutic categories and identify indications, side effects, and trade and generic names. Students will learn the essentials of pharmacology and how it relates to dispensing and patient safety. Medical terminology is presented in an independent study format that allows the learner to acquire medical language skills to prepare for working with other health care professionals.

Pre-requisites: Acceptance into the Pharmacy Technician Program.

PTEC 108 - Pharmacology II
PTEC 108: Pharmacology II is part two of a two-part course that continues with the study of drugs and their properties, effects, and therapeutic value in

Advanced Credit

- Application for advanced credit must be made prior to starting the program; applications are approved from the Registrar in consultation with program instructors.
the major drug categories. The course offers direct contact with a pharmacist and the opportunity to collaborate and illustrate scope of practice. Upon completion, students will be able to place major drugs into correct therapeutic categories and identify indications, side effects, and trade and generic names. Students will learn the essentials of pharmacology and how it relates to dispensing and patient safety. Medical terminology is presented in an independent-study format that allows the learner to acquire medical language skills to prepare for working with other health-care professionals.

Pre-requisites: Acceptance into the Pharmacy Technician Program.

PTEC 109 - PHARMACY PRACTICE I

PTEC 109: Pharmacy Practice I, is an introduction to pharmacy language, techniques and procedures needed to assist the pharmacist in the delivery of pharmaceutical products and services. The intent of this course is to provide a working knowledge of most aspects of pharmacy in community, hospital and other practice settings.

Pre-requisites: Acceptance into the Pharmacy Technician Program.

PTEC 110 - PHARMACY PRACTICE II

PTEC 110: Pharmacy Practice II is an online introductory course that guides the learner to develop collaborative relationships with the patient, pharmacist and other health care providers to promote patient health. The course uses a body systems approach to study over-the-counter-drugs, common herb and natural products for common ailments. Included in this course are home health care products where knowledge of specialty products and medical devices is an asset to working in a community pharmacy. This course is not intended to be all-inclusive but to gain a working knowledge of the more common products consumers use for a variety of health care concerns and to further discover of the NAPRA Professional Competencies for Canadian Pharmacy Technicians at Entry to Practice and how these relate in the promotion of patient health. During this course discussion forums are used to post group presentations. These discussion forum sessions provide a communications platform to discuss OTC, herb and medical devices topics related to the work of the pharmacy technician and pharmacist in a pharmacy setting to promote patient health. Also integrated into the weekly discussions the Professional competencies are highlighted and explored as they relate to the topics covered. Individual assignments, group work as well as discussion forum participation and attendance are assigned marks. Details and instructions are given in the course website in Assignment Procedures & General Group Procedures.

Pre-requisites: Acceptance into the Pharmacy Technician Program.

PTEC 113 - INTRODUCTION TO ASEPTIC TECHNIQUE

PTEC 113: Introduction to Aseptic Technique examines foundational principles of aseptic technique required for parenteral product preparation. Students are also introduced to the associated documentation requirements and quality assurance practices as outlined by the Canadian Society of Hospital Pharmacists. This course prepares students for the application of aseptic principles in subsequent lab courses.

Pre-requisites: Successful completion of PTEC 104, PTEC 105; PTEC 109, PTEC 113.

PTEC 114 - STERILE PRODUCTS LAB

The focus of this lab course is the application of theory and practical hands-on skills performed by pharmacy technicians in sterile product preparation. Performance skills are evaluated in product preparation in vertical and horizontal air flow hoods, equipment maintenance, handling hazardous products and quality assurance documentation.

Pre-requisites: Successful completion of PTEC 104, PTEC 105, PTEC 109, PTEC 113.

PTEC 115 - PRESCRIPTION DISPENSING LAB

This is a laboratory based course. In a simulated community pharmacy setting, computer and dispensing technical skills are practiced. Learners maintain patient profiles, prescription and narcotic files.

Pre-requisites: PTEC 105 with a B+ or better, and successful completion of PTEC 100, 104, 106, 107, 108, 109, and 110.

PTEC 116 - COMPOUNDING LAB

This course reviews all aspects of the compounding process from equipment use and maintenance to the correct formulae preparation of mixtures such as creams, ointments, solutions and suspensions. Lab sessions include preparing compounds, labelling and presentation of products. Emphasis is placed on accuracy and the preparation of a safe pharmaceutically elegant product.

Pre-requisites: PTEC 105 with a B or better, and successful completion of PTEC 100, 104, 106, 107, 108, 109, and 110.

PTEC 119 - COMPUTER SKILLS FOR PRESCRIPTION PROCESSING

This course is a hands on introduction to a patient management pharmacy software system. Software functions include: updating and creating patient, drug, doctor, mixture profiles; new prescriptions, refills, part fills; prescription transfers to other pharmacies and third party billing procedures.

Pre-requisites: PTEC 105 with a B or better, and successful completion of PTEC 100, 104, 106, 107, 108, 109, and 110.

PTEC 129 - PRACTICUM

The Practicum is 140 - 160 hours in each a community and hospital pharmacy, comprising of work experience under the supervision of a preceptor pharmacist. The Practicum experience is aimed at facilitating the transition from student to the role of a pharmacy technician. Students will receive orientation to relevant policies and procedures with each pharmacy. Practicum experience will vary depending upon the pharmacy. Community experience may include front store merchandise maintenance, customer service and other related duties. Dispensary duties may include: data entry of patient, drug, doctor profiles, third party billing, filling prescriptions and preparing compounds. Hospital experience may include admixture preparation, compounding, inventory control, drug distribution, packaging and computer entry tasks.

Pre-requisites: Successful completion of all Pharmacy Technician theory and lab courses.

Contacts

DISTANCE HEALTH
Program Contact
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Direct: 250-365-1324
Email: distancehealth@selkirk.ca

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RPh, Coordinator/Instructor,
Pharmacy Technician Program
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Email: kvyakovitch@selkirk.ca

TERESA PETRICK
School Chair, Health and Human Services
Phone: 250.365.7292 ext 21442
Direct: 250.365.1442
Email: tpetrick@selkirk.ca
Pharmacy Technician National Bridging Education Program / Programme Passerelle National de Formation de Technicien(ne) en Pharmacie

Program Summary
The National Pharmacy Technician Bridging Education Program was developed to assist individuals already working in the role of pharmacy technician to upgrade their skills to align with changes in the scope of practice, without returning to school to complete an entire training program.

The ultimate goal is a national strategy that will enable regulated pharmacy technicians to re-locate and work anywhere in Canada, without the need to re-qualify. The development of consistent competency requirements and standards enables the regulated pharmacy technician to carry out and be accountable for technical responsibilities related to pharmacy practice.

FOUR PROGRAM COURSES
- Professional Practice (39 hours)
- Product Preparation (33 hours)
- Pharmacology (33 hours)
- Management of Drug Distribution Systems (39 hours)

PRIOR LEARNING ASSESSMENT & RECOGNITION
Pharmacy technicians may be able to demonstrate the necessary competencies addressed in one or more of the Bridging courses. As a result, a Prior Learning Assessment and Recognition (PLAR) Challenge Examination process has been established to enable candidates to earn educational credit for what they already know.

Three of the four Bridging Program courses are PLAR-eligible. The Professional Practice course is mandatory for all participants and is not eligible for PLAR since it provides an essential foundation for the pharmacy technician’s new and expanded role. See the course descriptions for more information on PLAR.

ADDITIONAL INFORMATION
The Bridging Education Program was developed and introduced in Ontario in 2008, and then adapted for use in Alberta and British Columbia in 2010. However, as more and more provinces began the steps towards regulating pharmacy technicians, it became clear that a national curriculum was needed to support consistency in the knowledge and skills of all pharmacy technicians across Canada in order to facilitate labour mobility. Thus, in 2012, NAPRA secured funding from the Government of Canada’s Inter-provincial Labour Mobility Initiative to revise the existing bridging programs in Alberta, British Columbia and Ontario in order to create a program that was more suitable for national delivery. The ultimate goal is a national strategy that will enable regulated pharmacy technicians to re-locate and work anywhere in Canada, without the need to re-qualify. Delivery partners for Pharmacy Technician Bridging Education include the Pharmacy Regulatory Authorities in all participating jurisdictions.

The program is designed to provide current pharmacy technicians with the knowledge, skills and abilities necessary to take on the additional job responsibilities of a regulated technician. Selkirk College will offer each course online.

Course of Studies

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<td>PTECB 131</td>
<td>Product Preparation</td>
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<td>3</td>
</tr>
<tr>
<td>PTECB 133</td>
<td>Professional Practice</td>
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Admission Requirements
Although regulation of pharmacy technicians is not currently in place in all jurisdictions/provinces, it is anticipated that completion of Bridging Education will be a mandatory requirement for individuals intending to pursue registration/licensure in any Canadian jurisdiction/province.

Before taking any of the Bridging courses, candidates are advised to contact the Pharmacy Regulatory Authority (PRA) in their jurisdiction to determine if Bridging is required and to identify any additional requirements that may impact their eligibility or suitability to complete the Bridging Program. In some jurisdictions there may be time limits or pre-registration requirements that they need to know about first.

Note: Requirements and completion sequence vary from one jurisdiction to another.

Program Courses

PTECB 130 – PHARMACOLOGY
The course provides a practical, applied approach to pharmacology. Through a variety of assignments, quizzes, case studies and group work, students will enhance their ability to practice competently and contribute to a safe patient care setting. Participants will gain basic knowledge related to the pharmacological uses of drugs within a variety of commonly encountered medical conditions.

PLAR is available for this course. All PLAR exams will be set up according to the number of students in need of a particular PLAR exam. No set dates have been organized; each student request will be considered and organized monthly for each PLAR exam. Contact with the coordinator will determine the date and time of exams.

Note: Before any attempt at the Pharmacology PLAR exam, a pharmacy technician must complete the Pharmacology Checklist (Demonstration of Devices) and have their work checked and signed by an assessor. The checklist and PLAR information is available from the NAPRA PLAR website.


PTECB 131 – PRODUCT PREPARATION
This course addresses the theoretical knowledge and practical skills essential for safe and accurate preparation of sterile and non-sterile pharmaceutical products. For non-sterile preparation, students will focus on equipment and tools and compounding practices for various internal and external preparations and specialty dosage forms. For sterile product preparation, topics include aseptic technique, parenteral dosage forms, appropriate use of equipment, TPN, chemotherapy medications and quality control. Pharmaceutical calculations receive particular emphasis.

PLAR is available for this course. All PLAR exams will be set up according to the number of students

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Selkirk College Academic Calendar 2018–19

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in need of a particular PLAR exam. No set dates have been organized; each student request will be considered and organized monthly for each PLAR exam. Contact with the coordinator will determine the date and time of exams.

Note: Before any attempt at the Product Preparation PLAR exam, a pharmacy technician must complete two product preparations (non-sterile and sterile) and have their work checked and signed by an assessor. Checklists and PLAR information is available from the NAPRA PLAR website.

MATERIALS KIT (MUST BE PURCHASED PRIOR TO THE START OF THIS COURSE)
Barb O’Brien, Sales Consultant – Education Associated Health Systems, 11779 - 186 Street, Edmonton AB T5S 2Y2 Tel: 780-732-1962 ; Toll Free: 877-451-6720 ; Fax: 780-451-5501


PTECB 132 – MANAGEMENT OF DRUG DISTRIBUTION SYSTEMS
This course examines various drug distribution systems in pharmacy practice, with a focus on safe and effective drug supply and distribution in both institutional and community practice settings. Topics include inventory management and various business practices. Accurate product release within the parameters of the pharmacy technician role receives special emphasis.

PLAR is available for this course. All PLAR exams will be set up according to the number of students in need of a particular PLAR exam. No set dates have been organized; each student request will be considered and organized monthly for each PLAR exam. Contact with the coordinator will determine the date and time of exams.

Note: In some jurisdictions students may have to complete a structured practical evaluation following the Management of Drug Distribution Systems PLAR (managed by the Provincial Regulatory Authority) to verify the learners ability to consistently perform accurate product release in the workplace (independent double check). Students should contact the PRA in their province or territory for more information. A list of PRAs in the various provinces and territories of Canada is available on the NAPRA website.

PTECB 133 – PROFESSIONAL PRACTICE
Students focus on four key areas of practice: ethics and professionalism, legal requirements, scope of practice, and communication skills. Through a variety of learning tools, students will enhance their ability to practice competently within the professional practice framework.

Professional Practice is not available for PLAR; this course is mandatory for all bridging students.

Contacts

PENNY CALDWELL
PTEC Bridging Enrollment Officer
Toll Free: 1.888.953.1133
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RPht, Pharmacy Technician, Instructor / National Online Bridging Program Coordinator
Phone: 250.365.7292 ext 21467
Direct: 250.365.7292
Email: cmorassut@selkirk.ca

TERESA PETRICK
School Chair
Phone: 250.365.7292 ext 21442
Direct: 250.365.1442
Email: tpetrick@selkirk.ca
Philosophy delves into the hard questions that shape human existence. It explores who and what we are as human beings; it critically examines the things we value and the ways we treat one another, and it takes seriously questions about the meaning of life. Studying philosophy enables us to better engage with these questions. It equips us with the tools of logic, and it exposes us to a broad tradition of thoughts and wisdom on the human condition.

WHY STUDY PHILOSOPHY?
Philosophy can make a difference in people’s lives. Critical thinking pushes us to reflect on our background assumptions, and it helps us to sharpen the analytic tools we use in many areas of life. Moreover, a hike through the history of philosophy can illuminate ideas and values that underlie our cultural traditions and social practices. In this way studying philosophy can prepare us to make and defend careful judgments about our lives, our society, and our world. In short, as Plato might put it, philosophy can help us to live “the examined life.”

CAREER AND ACADEMIC BENEFITS OF PHILOSOPHY
Philosophy prepares you for a broad range of professional careers where success relies on the ability to read carefully, think critically, and write persuasively. Recent studies show that many of the top figures in business, law, politics, journalism, and education have a background in philosophy [e.g., Huffpost]. Philosophy students also excel at standardized tests and gaining entrance into graduate level programs. For example, see compare how students perform on the Law School Admission Test.

Check out the following resources for more on the career, economic, and non-economic benefits of studying philosophy:
- Philosophy Is a Great Major
- NACE - Philosophy Projected as Top Paid Class of 2016 Humanities Majors
- Quartz - Teaching Kids Philosophy Makes Them Smarter
- WSJ - Salary Increase By Major
- UC Berkeley - Philosophy's Popularity Soars
- UC Davis - Career Paths for Philosophy Majors
- The Economist - Philosopher Kings

Program Courses
All of the courses we offer are suitable for students pursuing any career path.

PHIL 101 - INTRODUCTORY PHILOSOPHY II
PHIL 101: Introductory Philosophy II focuses on the nature of human reality. We explore metaphysical issues such as self-identity, free will, and the relationship between the mind and body. We examine questions about taste in aesthetic judgment, and we discuss issues in ethical theory including relativism, subjectivism, and egoism. We end the course by looking at theories and problems of justice.

Pre-requisites: ENGL 12 or equivalent with a grade of “C” or better or written permission of the instructor and School Chair.

PHIL 120 - INTRODUCTION TO LOGIC AND CRITICAL THINKING
PHIL 120: Introduction to Logic and Critical Thinking is designed to improve students’ ability to reason well. Students will study the nature, structure, and purpose of valid arguments, identify common fallacies and mistakes, and determine when to use various forms of reasoning (e.g., deductive, inductive, and abductive). Students will sharpen their understanding of these concepts by analyzing and assessing arguments in the courts, news, and other contemporary media.

Pre-requisites: English 12 with a grade of “C” or better or written permission of the instructor and School Chair.

PHIL 210 - BIOMEDICAL ETHICS
PHIL 210: Biomedical Ethics explores moral questions that arise in the context of healthcare. Students will engage with these questions by learning ethical theory and by studying challenging cases. They will outline the relevant features of real life examples, weigh moral considerations, and practice articulating recommendations about what to do. The course covers biomedical topics such as autonomy, informed consent, surrogate decision making, traumatic brain injury, refusing care, medical assistance in dying, assisted reproduction, abortion, public health, organ donation, genetic screening and therapy, research and experimentation, rural medicine, and global health intervention.

While this course is geared primarily to Rural Pre-Medicine students, it may be of interest to anyone concerned with medical ethics and healthcare.

Pre-requisites: English 12 with a grade of “C” or better or written permission of the instructor and School Chair.

Admission Requirements
Admission to the program requires the completion of English 12 with a grade of “C” or better or written permission of the Instructor and School Chair. Other prerequisites depend on the electives chosen to complete the program and should be determined with the advice of a Selkirk College counsellor.

If you are a student who lacks the admission requirements, you may still gain entry to the program by taking a combination of upgrading and university courses in your first year. This may extend the length of your program.

Contacts
UNIVERSITY ARTS & SCIENCES ADMISSIONS
Admissions Officer (Castlegar)
Phone: 1.888.953.1133 ext 21233
Direct: 250.365.1233
Email: admissions@selkirk.ca

UNIVERSITY ARTS & SCIENCES
Program Contact
Phone: 1.888.953.1133 ext 21205
Direct: 250.365.1205
Email: UAS@selkirk.ca

TRACY PUNCHARD
School Chair of UAS; Instructor, English
Phone: 1.888.953.1133 ext 21318
Direct: 250.365.1318
Email: tpunchard@selkirk.ca
Program Summary

One of the in-demand jobs now and into the future is plant operator.

PROGRAM OVERVIEW

This 24-week program (18 weeks on-campus + 6 week practicum) prepares you for entry level positions as a plant operator. You’ll gain knowledge and develop the skills required to operate, monitor and troubleshoot control equipment and processing units found in most industrial settings. You’ll learn about industrial plant functionality and gain a critical understanding of plant systems, process fundamentals, and plant operations.

TRAINING FACILITY PROVIDES UNIQUE ADVANTAGE

You’ll engage in a variety of classroom, shop and real-world activities. Learn the theoretical principles of operations and processes in the classroom, and apply your knowledge in our shop where you’ll gain valuable experience by practicing various operational procedures.

During the 18 weeks of instructional time, you’ll travel to 10 plant operations of various sizes throughout the West Kootenay such as Nelson Hydro, Teck, Zellstoff Celgar, Columbia Brewery, Selkirk College, Kootenay Boundary Regional Hospital (Trail) and the Nelson & District Community Complex. The goal is by the end of the tours, you will have a detailed record of the plants you have visited and a broad awareness of the operator duties and tasks at the various plants in our area.

GREAT PARTNERSHIPS WITH REGIONAL INDUSTRY

The Plant Operator Program usually has two intakes each year. The provincial government has bolstered funding in areas of trades that are anticipated to be in-demand over the coming years. Plant operators are considered one of those areas.

Upon completion of the on-campus component of the program, you’ll embark on a practicum hosted by regional employers where you’ll master operations in real industrial environments.

WHAT IS A PLANT OPERATOR?

Plant operators are responsible for overseeing the production process of a plant facility. The goal of a process operator is to monitor equipment and improve the quality, efficiency and safety of the plant. Plant operators supervise staff members and coordinate maintenance efforts to ensure control instruments are working properly. They also perform other administrative tasks such as recording test results and other data about the plant's operation. In addition, process operators are responsible for reporting problems with the production process or equipment to shift managers and maintenance engineers. In some cases, plant operators may need to carry out minor maintenance work and transport various items for shipment.

A person does not need any particular qualifications to become a plant operator. However, they do need to have an understanding of math and be able to pass an aptitude test, physical and medical exam at the interview stage. A person can also become a plant operator by completing an apprenticeship or taking a college course related to the skills and knowledge needed in the job. Plant operators usually work full-time, sometimes shift-work, often with benefits, for companies involved in the petroleum, agricultural and pharmaceutical industry.

Admission Requirements

- Graduation from a British Columbia Senior Secondary School or equivalent
- Foundations & Pre-Calculus 10, or Apprenticeship Workplace 10, or Principles 10, or Applications 10, or Essentials 11, or Selkirk ABE Math 46, with a grade of "C" or better

PLANT OPERATOR CAREERS

- Chemical Plant Machine Operator
- Mineral & Metal Processing Operator
- Cell Operator
- Lime Kiln Operator
- Pulp & Paper Mill Machine Operator
- Assistant Digester Operator
- Sawmill Machine Operator
- Planer Operator
- Resaw Operator
- Process Control & Machine Operator
- Food, Beverage & Associated Products Processing
- Brewhouse Operator
- Control Room Operator

Careers

Graduates of the Plant Operator Program at Selkirk College earn a Certificate of Completion and typically find employment as plant operators in manufacturing plants, production plants, processing plants, gas plants, oil fields, smelters, mines, mills, refineries, arenas, recreational complexes, or other industrial facilities.

LENGTH OF STUDY:
24 Weeks

ACCREDITATION:
Certificate

CAMPUS:
Silver King Campus, Nelson

READY TO APPLY?
- Please make sure you meet all admission requirements, including the general admission requirements for the college.
- International Students (students who are applying to Selkirk College from locations outside of Canada) should follow the application steps required by Selkirk International.
PO 101 - INTRODUCTION TO PROCESS PLANT SYSTEMS

Systems and components common to process plants; Sand Plant provides a model to demonstrate the key concepts and components.

- Safety, Health & Environment
- PPE – Personal Protective Equipment
- Locks, Isolation Devices & Equipment
- Emergency Shutdown & Evacuation
- Reading Flowcharts, P&Cs, P&IDs
- Valves
- Pumps
- Piping and Storage Tanks
- Human Rights
- Compressors

- Turbines
- Bearings, Seals, Steam Traps
- Heat Exchangers
- Cooling Towers
- Boilers & Furnaces
- Switches & Controls

PO 102 - PROCESS FUNDAMENTALS

Includes Math, Basic Physics, Technical Writing, Basic Hand Tools, Computer Skills, and Drafting.

- Basic Math
- Computer Skills – MS Office
- Technical Writing
- Basic Physics – Pressure
- Basic Physics – Fluid Flow
- Basic Physics – Heat, heat transfer, temperature
- Basic Hand Tools
- Drafting

PO 103 - INTRODUCTION TO PROCESS PLANT OPERATIONS

Develop Standard Operating Procedures (SOPs) for the Sand Plant to conduct basic operating procedures.

SOPs include:
- Pre-start-up checklist
- Start up
- Normal Operation
- Abnormal Operation
- Shut Down
- Troubleshooting
- Create Sand Plant Log Book and other Operating Reports
- Operate Sand Plant (including troubleshooting)

PO 104 - PLANT TOURS

Ten Structured Plant Tours are planned over the course of the program. These will take place once a week at different locations each week. Students will work individually and in teams to gather specific pre-determined data on each plant. The goal is by the end of the tours, students will have a detailed record of the plants they have visited and a broad awareness of the operator duties and tasks at the various plants in our area.

PO 105 - WORK PRACTICUM

The expectation is that this part of the program will run six weeks, and that students will actively explore possible placements into an unpaid practicum at a local plant. Class time will be devoted to resume and cover letter writing to assist the student in this process. On-site structured work experience.

CAREER SPOTLIGHT - HOSPITAL MAINTENANCE ENGINEER

Hospital maintenance engineers are responsible for maintaining the extensive heating, air-conditioning, refrigeration, and ventilation systems in hospitals. The equipment they operate includes boilers, air-conditioning equipment, diesel engines, turbines, pumps, condensers, generators, and compressors.

They start up, regulate, shut down, or repair this equipment. They manually operate equipment, make adjustments, and regularly check safety devices. It is their responsibility to ensure that all of these systems are operating not just correctly, but also efficiently and safely. Routine maintenance is part of the job, such as replacing filters, lubricating moving parts, and checking air quality of the ventilation systems.

Some other duties could include minor welding, minor plumbing and electrical repairs, and minor carpentry repairs to walls, roofs, windows, or ceilings. In this job you could wind up working independently or as part of a crew. You will also need to be able to work off hours or on shifts that can include holidays, nights, or weekends. Because a hospital never closes, there must always be maintenance workers on staff just as there are health care providers.

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# Post-Graduate Diploma in Accounting

**LENGTH OF STUDY:**
2 Years

**ACCREDITATION:**
Post-Graduate Diploma

**CAMPUS:**
Castlegar Campus

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## Program Summary

Earning a Selkirk College Post Graduate Accounting diploma firmly positions you to secure an exciting and fulfilling accounting career in Canada.

Competent accounting and finance professionals with a professional accounting designation are highly respected in the business world and are in high demand.

**START AT SELKIRK COLLEGE TO WORK TOWARDS YOUR CHARTERED PROFESSIONAL ACCOUNTING DESIGNATION**

The Post-Graduate Accounting (PGA) diploma will give you, as an international student, a solid financial accounting and management background to secure your career potential in this high-paying and diverse field. In Canada, there is now one accounting designation called the Chartered Professional Accountant (CPA) designation. Individuals with this accounting designation are highly sought after in Canada.

In order to enter the CPA education program in Canada, there are three entrance requirements:
- Completion of all CPA preparatory courses.
- Completion of a Bachelor's degree (equivalent to a Canadian Bachelor's degree) in any field.
- A full-time accounting job.

The Selkirk College PGA includes most of the preparatory courses necessary for admission to the CPA education program, which can become your pathway to a career as a CPA. For specific information about how the courses in this PGA program can help satisfy the entrance requirements of the CPA program, please contact the CPABC website.

**Graduates of this program are eligible to apply for the three year post-graduate work permit in Canada. Learn more about Selkirk International.**

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## Course of Studies

### Year 1 - Fall Intake

#### SEMESTER 1

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>ADMN 272</td>
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<td>ECON 107</td>
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Course of Studies

Year 1 - Winter Intake

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Year 3 - Winter Intake

SEMMESTER 5

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Total 9

Admission Requirements

In addition to meeting the general entrance requirements for admission to Selkirk College, applicants must meet the following Post-Graduate Accounting requirements:

ACADEMIC

- Completion of a two-year diploma in a discipline other than business, Bachelor's degree from a recognized post-secondary institution in Canada or English speaking institution from another country, or equivalent training and experience.

- English 12 with "C+" or higher, or equivalent. For international applicants, IELTS 6.5 overall band score with no band below 5.5 and a minimum 6.0 score on writing, or equivalent on other internationally recognised English Language Proficiency Tests.

- Foundations of Math 12 with a grade of "C+" or better required.

All applicants, upon admission to Selkirk College, will be required to take the College Readiness Tool, which will be used to assess an applicant's math and English skills and determine what remediation may be required.

Programs

ADMN 251 - INTERMEDIATE ACCOUNTING I
ADMN 251: Intermediate Accounting I is the first part of a two-semester course dealing with theory and concepts as applied to financial reporting. Valuation and cost allocation problems applying to cash, receivables, inventories and investments, property, plant and equipment and tangible assets are an integral part of this course.

Prerequisites: COMM 241 or equivalent with a grade of "C" or better.

ADMN 252 - FINANCIAL MANAGEMENT
ADMN 252: Financial Management examines the role of finance and the tools and environment of financial decision-making. Topics include: Time value of money; foundations for valuation, financial analysis and planning, management of current assets and liabilities, capital budgeting, risk and return, and personal finance.

Prerequisites: COMM 241 or equivalent with a grade of "C" or better.

ADMN 253 - PRINCIPLES OF INCOME TAX I
ADMN 253: Principles of Income Tax I studies the nature and structure of the Income Tax Act, as it applies to individuals. Topics include determination
of net income for tax purposes, taxable income and income taxes payable. Income from employment, business, property, capital gains and miscellaneous sources are included.  

Pre-requisites: COMM 241 or equivalent with a grade of "C" or better.

ADMN 259 - AUDITING  
ADMN 259: Auditing is a one semester course examining the nature and function of auditing. Students will study the various types of audits as well as the auditor’s role in the decision-making process. The planning, accumulation and interpretation of audit evidence including EDP systems, are major components of the course. Case studies requiring an examination of internal control, planning an audit, development of an audit program, and the preparation and completion of working papers, financial statements and the auditor’s report are also part of this course.  

Pre-requisites: COMM 241 or equivalent with a grade of "C" or better.

ADMN 269 - INFORMATION SYSTEMS  
ADMN 269: Information Systems examines the relationships and distinctions between Management Information Systems (MIS) and Accounting Information Systems (AIS). Students will examine the standard categories of business transactions and how these transactions flow through the organization, are documented, stored (with emphasis on databases), and are reported for use by both internal and external users. Accounting information systems development will be studied with emphasis on systems analysis and design, internal controls, and proper documentation.  

Pre-requisites: COMM 241 or equivalent with a grade of "C" or better.

ADMN 250 - MANAGERIAL ACCOUNTING  
ADMN 250: Managerial Accounting is an introduction to management accounting concepts and methods. Main topic areas include: job order and process costing, budgeting and responsibility accounting, identification of costs relevant to price, product, and replacement decisions, cost/volume/profit relationships, cost control through flexible budgets, standard costs, and variance analysis.  

Pre-requisites: COMM 241 or equivalent with a grade of "C" or better.

ADMN 254 - INTERMEDIATE ACCOUNTING II  
ADMN 254: Intermediate Accounting II deals with theory and concepts as applied to financial reporting. Topics include valuation and cost allocation problems applying to liabilities, leases and pensions, accounting for owner’s equity, partners’ capital and shareholders’ equity, future income tax benefits and liabilities, and full disclosure on financial reports.  

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<tr>
<th>Course</th>
<th>Name</th>
<th>Credit</th>
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<tbody>
<tr>
<td>ECON 107</td>
<td>Principles of Microeconomics</td>
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<tr>
<td>TWC 164</td>
<td>Introduction to Report and Letter Writing</td>
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**SEMESTER 2**

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<td>Principles of Organizational Behaviour</td>
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<tr>
<td>COMM 240</td>
<td>Financial Accounting I</td>
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<tr>
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<td>ADMN 399</td>
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<td>COMM 241</td>
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<td>STAT 105</td>
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**Year 2 - Spring Intake**

**SEMESTER 4**

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<td>ADMN 253</td>
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<td>ADMN 254</td>
<td>Intermediate Accounting II</td>
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<td>ADMN 255</td>
<td>Corporate Finance</td>
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<td>ADMN 257</td>
<td>Income Tax II</td>
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<tr>
<td>ADMN 295</td>
<td>Strategic Management</td>
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**Total** 15
Pre-requisites: ADMN 251 or equivalent with a grade of “C” or better.

ADMN 255 - CORPORATE FINANCE
ADMN 255: Corporate Finance examines the raising and allocation of corporate funds. Topics include: conceptual aspects of capital structure, dividend policy, capital markets, financial securities, derivatives, international finance, and corporate reorganizations and liquidations.

Pre-requisites: COMM 241 or equivalent with a grade of “C” or better.

ADMN 257 - INCOME TAX II
ADMN 257: Income Tax II provides a study of the nature and structure of the Income Tax Act, as it applies to corporations, partnerships, deceased taxpayers, trusts and non-residents, with the focus on corporate taxation. A corporate tax return and relevant schedules are prepared to determine net income for tax purposes, taxable income and income taxes payable. The sale of an incorporated business, tax planning techniques and special topics are included.

Pre-requisites: ADMN 253 or equivalent with a grade of “C” or better.

ADMN 272 - COMMERCIAL LAW
ADMN 272: Commercial Law is an introduction to law as it applies to business. The development of the courts and the machinery of justice will be outlined. A study will then be made of torts and negligence, and of contracts including their formation, impeachment, breach, assignment and discharge. Methods of carrying on business such as employer/employee, proprietorship, partnership, agency and incorporation will be introduced and compared.

Pre-requisites: COMM 220 and ADMN 171 or equivalent with a grade of “C” or better.

ADMN 295 - STRATEGIC MANAGEMENT
ADMN 295: Strategic Management is a capstone course integrating the varied disciplines in business including accounting and finance, marketing, operations, economics, forecasting, and management, into a comprehensive knowledge base which becomes a foundation for strategic planning. Students’ participation in class and in team projects and analysis of business cases are core components of this course.

Pre-requisites: ADMN 171, ADMN 181, COMM 241 or equivalent with a grade of “C” or better.

ADMN 315 - LEADERSHIP
ADMN 315: Leadership examines the theory and practical application of leadership. It covers the latest thinking in leadership theory and contemporary practices at work within organizations in a global economy. Topics such as motivation, strategic planning, team building and negotiation will be explored.

Pre-requisites: COMM 220 and ADMN 171 or equivalent with a grade of “C” or better.

ADMN 399 - DIRECTED STUDIES BUSINESS
ADMN 399: Directed Studies Business involves students engaging in independent study, research, and practice related to a topic in business administration under faculty supervision. The faculty supervisor will determine the appropriate curriculum, evaluation methods, and assignments in consultation with the student subject to approval of the department chair and consistent with the course outline. Once the course is approved, students will work independently but confer with their supervisor on a regular basis for assistance and to have their progress assessed.

Pre-requisites: ADMN 171 and TWC 165 with a grade of “C” or better.

COMM 220 - PRINCIPLES OF ORGANIZATIONAL BEHAVIOUR
The Business Administration Principles of Organizational Behaviour course is an introduction to the behaviour, relationships, and performance of individuals and groups in work organizations as well as the nature of organizational structure and processes. Organizational dynamics are examined with a view to creating an effective working environment from a human perspective.

Pre-requisites: Accepted to the Business Administration Program

COMM 240 - FINANCIAL ACCOUNTING I
COMM 240: Financial Accounting I is an introductory course in accounting from the basic accounting equation to the preparation of the income statement, statement of owner’s equity and balance sheet. This course covers merchandise operations, valuation and control of cash, temporary investments and receivables, inventories and cost of goods sold, principles of internal control and accounting for payroll liabilities. Includes important accounting principles and concepts as well as the classification of accounts. The use of special journals, worksheets and computerized accounting is also covered.

Pre-requisites: Accepted to the Business Administration Program
TWC 164 - INTRODUCTION TO REPORT AND LETTER WRITING

TWC 164: Introduction to Report and Letter Writing is an introduction to the fundamentals of effective written communication. Components include communication theory and its application to business situations. Students are required to master basic English writing skills and show competence in producing conventional technical formats, such as memoranda, business letters, short or informal reports, résumés and cover letters.

**Pre-requisites:** ENGL 12 with a grade of “C+” or better, or LPI score of Level 4 or higher.

Contacts

SELKIRK INTERNATIONAL CONTACT

Phone: 250.365.7292 x21293
Direct: 250.365.1293
Fax: 250.365.5410
Email: international@selkirk.ca
Course of Studies

Year 1 - Fall Intake

For more information on what your course of studies would look like if you need to upgrade your math or English, please consult with our Program Advisor.

<table>
<thead>
<tr>
<th>SEMESTER 1</th>
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<td>COMM 240 Financial Accounting I</td>
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Year 2 - Fall Intake

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<td>ADMN 286 Human Resource Management</td>
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<td>ADMN 293 Electronic Commerce</td>
<td>On Campus</td>
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<td>ADMN 308 Multicultural Management</td>
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<td>ADMN 296 International Business</td>
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LENGTH OF STUDY:
2 Years

ACCREDITATION:
Post-Graduate Diploma

CAMPUS:
Castlegar Campus

Program Summary

Build on your education and life experience with a Post-Graduate Business Management diploma.

Business specialists such as human resource managers, marketing professionals, accountants, and entrepreneurs are among Canada's top 10 highest paid personnel. The Post-Graduate Business Management (PGBM) diploma offers international students the opportunity to complement and build on their previous education and work experience.

YOU'LL BENEFIT FROM
The two-year Selkirk College PGBM diploma will provide you with the knowledge and skills necessary to launch your business career in Canada. PGBM covers core business courses in the areas of accounting, management, marketing and economics.

Admission Requirements

In addition to meeting the general entrance requirements for admission to Selkirk College, applicants must meet the following Post-Graduate Business Management requirements:

ACADEMIC
- Completion of a two-year diploma in a discipline other than business, Bachelor's degree from a recognized post-secondary institution in Canada or English speaking institution from another country, or equivalent training and experience.
- English 12 with "C+" or higher, or equivalent. For international applicants, IELTS 6.5 overall band score with no band below 5.5 and a minimum 6.0 score on writing, or equivalent on other internationally recognized English Language Proficiency Tests.
- Foundations of Math 12 with a grade of "C+" or better required.

All applicants, upon admission to Selkirk College, will be required to take the College Readiness Tool, which will be used to assess an applicant's math and English skills and determine what remediation may be required.
POST-GRADUATE DIPLOMA IN BUSINESS MANAGEMENT
selkirk.ca/post-graduate-business-management

Program Courses

ADMN 171 - MANAGEMENT PRINCIPLES
ADMN 171: Management Principles is an introduction to management theory, philosophy and techniques including the specialized areas of entrepreneurship, small business, and hospitality and service industries. Management is a dynamic discipline and is reflected in the organizations of today’s global world.

Pre-requisites: Accepted to the Business Administration Program

ADMN 181 - MARKETING
ADMN 181: Marketing introduces students to basic concepts and principles of marketing. Topics include Canadian entrepreneurship, small business management, evaluation of business opportunities, and marketing management. Market planning will be emphasized as well as practical decision making in regards to evaluating the business environment, market segmentation, market research, and strategy choices. The marketing mix or product, price, place of distribution, and promotion will be discussed in depth.

Pre-requisites: Accepted to the Business Administration Program

ADMN 230 - PROJECT MANAGEMENT
ADMN 230: Project Management provides you with foundational knowledge and applied project management skills. Learn competencies required to work in project management, and build your own skills roadmap to take your career further. Learn to define project success and develop skills in project planning and communications, including how to organize a team meeting, plan a project and schedule with state of the art software. This introductory course establishes the foundation of knowledge upon which project management practices are based. We will look in depth at the anatomy of a project and the role of the project manager and learn the key concepts upon which the project management discipline is built. Based on industry standard practices and recognizing that there is no one-size-fits-all approach to project management, you will examine a broad range of business projects and explore how different approaches are used under different circumstances. Reviewing the full project lifecycle from conceptual design through to project completion, you will gain insights into how projects work in the real world and the factors that lead to project success.

Pre-requisites: COMM 220 or equivalent with a grade of “C” or better.

Course of Studies

Year 1 - Winter Intake
For more information on what your course of studies would look like if you need to upgrade your math or English, please consult with our Program Advisor.

SEMESTER 1

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<td>ADMN 181</td>
<td>Marketing</td>
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<td>COMM 220</td>
<td>Principles of Organizational Behaviour</td>
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<td>COMM 240</td>
<td>Financial Accounting I</td>
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Year 2 - Winter Intake

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### Course of Studies

#### Year 1 - Spring Intake

This intake requires five semesters of studies, as opposed to four semesters with our winter intakes.

For more information on what your course of studies would look like if you need to upgrade your math or English, please consult with our Program Advisor.

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#### Year 2 - Spring Intake

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### ADMN 272 - COMMERCIAL LAW

ADMN 272: Commercial Law is an introduction to law as it applies to business. The development of the courts and the machinery of justice will be outlined. A study will then be made of torts and negligence, and of contracts including their formation, impeachment, breach, assignment and discharge. Methods of carrying on business such as employer/employee, proprietorship, partnership, agency and incorporation will be introduced and compared.

**Pre-requisites:** COMM 220 and ADMN 171 or equivalent with a grade of “C” or better.

### ADMN 286 - HUMAN RESOURCE MANAGEMENT

ADMN 286: Human Resource Management is an examination of how to most effectively utilize and manage the human element in work organizations including staffing, training and development, appraisal and compensation, industrial relations and human resources planning.

**Pre-requisites:** COMM 220 and ADMN 171 or equivalent with a grade of “C” or better.

### ADMN 293 - ELECTRONIC COMMERCE

ADMN 293: Electronic Commerce is an introduction to the business models, infrastructure, strategies, design and analysis of electronic commerce business solutions. The role of electronic commerce in changing society is also an important topic. The primary aim of this course is to identify key management considerations required in implementing e-commerce business solutions.

**Pre-requisites:** ADMN 181 and ADMN 171 with a grade of “C” or better.

### ADMN 295 - STRATEGIC MANAGEMENT

ADMN 295: Strategic Management is a capstone course integrating the varied disciplines in business including accounting and finance, marketing, operations, economics, forecasting, and management, into a comprehensive knowledge base which becomes a foundation for strategic planning. Students’ participation in class and in team projects and analysis of business cases are core components of this course.

**Pre-requisites:** ADMN 171, ADMN 181, COMM 241 or equivalent with a grade of “C” or better.

### ADMN 296 - INTERNATIONAL BUSINESS

ADMN 296: International Business offers an in-depth review of basic concepts, institutional practices and developments in the global business environment. The course also offers an introduction to international business management. Core management topics will be examined within an international framework. The course emphasizes the development of critical thinking skills, and aims to link developments in the international business environment into everyday
life. In this way, students may be able to integrate concepts and institutional practices into a practical, work-oriented environment.

Pre-requisites: ADMN 181, ADMN 171, COMM 241 or equivalent with a grade of “C” or better.

ADMN 297 - DEVELOPING A BUSINESS PLAN
ADMN 297: Developing a Business Plan examines the process of researching and developing a business plan. A business plan provides a comprehensive framework for a firm's marketing, financing and operational activities. Students will research and develop a business plan to assess the viability of a proposed business venture. Students will also learn to critically assess the viability of a business plan through completing a due diligence process.

Pre-requisites: ADMN 171 or ADMN 181, COMM 220 or COMM 241 or equivalent with a grade of “C” or better.

ADMN 308 - MULTICULTURAL MANAGEMENT
ADMN 308: Multicultural Management will provide a framework for students to develop and practice the skills required to successfully manage or work in a multicultural workplace either in Canada or in an international setting. Culture and the ability to recognize cultural differences will influence an employee’s workplace behavior, management style, and job satisfaction. Sensitivity to cultural differences may influence the success or failure of a business venture, especially in an international context.

Organizations planning an international operation must consider cultural influences when designing the organizational structure, workplace communication systems, rewards and customer interactions. A combination of readings, case studies, and role play will develop each student's ability to communicate and manage in a multicultural environment.

Pre-requisites: COMM 220 and ADMN 171 or equivalent with a grade of “C” or better.

ADMN 315 - LEADERSHIP
ADMN 315: Leadership examines the theory and practical application of leadership. It covers the latest thinking in leadership theory and contemporary practices at work within organizations in a global economy. Topics such as motivation, strategic planning, team building and negotiation will be explored.

Pre-requisites: COMM 220 and ADMN 171 or equivalent with a grade of “C” or better.

ADMN 399 - DIRECTED STUDIES BUSINESS
ADMN 399: Directed Studies Business involves students engaging in independent study, research, and practice related to a topic in business administration under faculty supervision. The faculty supervisor will determine the appropriate curriculum, evaluation methods, and assignments in consultation with the student subject to approval of the department chair and consistent with the course outline. Once the course is approved, students will work independently but confer with their supervisor on a regular basis for assistance and to have their progress assessed.

Pre-requisites: ADMN 171 and TWC 165 with a grade of “C” or better.

COMM 220 - PRINCIPLES OF ORGANIZATIONAL BEHAVIOUR
The Business Administration Principles of Organizational Behaviour course is an introduction to the behavior, relationships, and performance of individuals and groups in work organizations as well as the nature of organizational structure and processes. Organizational dynamics are examined with a view to creating an effective working environment from a human perspective.

Pre-requisites: Accepted to the Business Administration Program.

COMM 240 - FINANCIAL ACCOUNTING I
COMM 240: Financial Accounting I is an introductory course in accounting from the basic accounting equation to the preparation of the income statement, statement of owner’s equity and balance sheet. This course covers merchandise operations, valuation and control of cash, temporary investments and receivables, inventories and cost of goods sold, principles of internal control and accounting for payroll liabilities. Includes important accounting principles and concepts as well as the classification of accounts. The use of special journals, worksheets and computerized accounting is also covered.

Pre-requisites: Accepted to the Business Administration Program.

COMM 241 - FINANCIAL ACCOUNTING II
COMM 241: Financial Accounting II is the second financial accounting course, reviewing and enlarging upon concepts and principles, their application to and effect upon financial statements. Topics include: capital and intangible assets, current and long-term liabilities, partnership accounting, accounting for corporate transactions, notes and bonds payable, the cash flow statement, and financial statement analysis.

Pre-requisites: COMM 240 with a grade of “C” or better.

ECON 106 - PRINCIPLES OF MACROECONOMICS
ECON 106: Principles of Macroeconomics covers topics including: national income accounts, national income determination model, monetary system, monetary and fiscal policy, problems with the Macroe System, inflation, unemployment, etc.; international trade - balance of payments, exchange rates, capital flows.

Pre-requisites: ENGL 12 or equivalent with a grade of “C” or better.

ECON 107 - PRINCIPLES OF MICROECONOMICS
ECON 107: Principles of Microeconomics is usually taken following ECON 106: Principles of Macroeconomics. Topics covered include: supply and demand - price supports, the agricultural problem, value theory, theory of the firm - competition, pollution, industrial organization - monopoly, public utilities, advertising, income distribution - labour unions, productivity.

Pre-requisites: ENGL 12 or equivalent with a grade of “C” or better.

MATH 125 - BUSINESS MATHEMATICS
MATH 125: Business Mathematics is intended for first year students enrolled in the Business Administration program. It stresses the mathematics required in financial processes. The course starts with a review of basic arithmetic and algebra. With these skills the student will solve several practical business problems. Topics include (but are not limited to) ratio and proportion, merchandising, break-even analysis, simple interest and promissory notes, compound interest and effective rates, simple and general annuities, annuities due and deferred annuities, amortization of loans and payment schedules, sinking funds and investment decision analysis.

Pre-requisites: Pre-Calculus 11 or equivalent with grade of “C+” or better, or written permission of the Instructor and School Chair.

TWC 164 - INTRODUCTION TO REPORT AND LETTER WRITING
TWC 164: Introduction to Report and Letter Writing is an introduction to the fundamentals of effective written communication. Components include communication theory and its application to business situations. Students are required to master basic English writing skills and show competence in producing conventional technical formats, such as memoranda, business letters, short or informal reports, résumés and cover letters.

Pre-requisites: ENGL 12 with a grade of “C+” or better, or LPI score of Level 4 or higher.

TWC 165 - ORAL PRESENTATIONS AND SKILLS TRAINING
TWC 165: Oral Presentations and Skills Training focuses on complex oral and written communication. Material covered includes how to conduct technical research; how to use graphics; how to write instructions, formal reports, and proposals; how to write for the Web, and how to give informative and persuasive oral presentations.

Pre-requisites: TWC 164 with a grade of “C” or better, or equivalent, or written permission of the instructor and School Chair.
## POST GRADUATE DIPLOMA IN CULINARY MANAGEMENT

### Year 1

#### SEMESTER 1

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<tr>
<th>Course</th>
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<td>PGCM 099</td>
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<td>PGCM 100</td>
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<td>Introduction to Tourism</td>
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</tr>
<tr>
<td>PGCM 159</td>
<td>Business Communications</td>
<td>3</td>
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</tr>
<tr>
<td>PGCM 151</td>
<td>Marketing</td>
<td>3</td>
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<tr>
<td>PGCM 163</td>
<td>Mixology and Oenology</td>
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<td>PGCM 164</td>
<td>Food and Beverage Cost Controls</td>
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**Total 15**

### Year 2

#### SEMESTER 3

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#### SEMESTER 4

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<tr>
<td>PGCM 254</td>
<td>Human Resource Management</td>
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<td>PGCM 265</td>
<td>Food Service</td>
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<td>PGCM 269</td>
<td>Accounting</td>
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<tr>
<td>PGCM 272</td>
<td>Hospitality Law</td>
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**Total 15**

## Length of Study

2 Years

## Accreditation

Post-Graduate Diploma

## Campus

Tenth Street Campus, Nelson

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### Program Summary

The successful chef or food and beverage entrepreneur of today requires more than just great culinary skills to excel in the hospitality industry. Chefs, food and beverage managers in the hospitality industry, and restaurant owners today need business, leadership and human resource skills in addition to a strong culinary foundation. This program provides professional cook training and fundamental management skills for students with culinary backgrounds looking to manage, own or operate a food and beverage business.

### Take Your Career to the Next Level

The Culinary Management diploma is developed for chefs and hospitality program graduates from programs outside of Canada. International students who have a culinary or hospitality credential are welcome to apply for this program. Students will be fast-tracked through a curriculum similar to the Professional Cook courses Level 1 and 2. Additionally, students will gain hands on industry experience during a paid four-month work term. Alongside the culinary focused course students will also complete two semesters of management level courses.

Labour market research predicts a shortage in this sector and foresees an increase in need for higher level credentialing, as reported in the Canadian Tourism Human Resource Council’s The Future of Canada’s Tourism Sector, Economic Recession only a Temporary Reprieve from Labour Shortages.

The objective of the program, through classroom instruction, practical lab training and work experience, is to enable students to develop the abilities to work in the fast paced culinary world with the skills and attitudes to analyze situations objectively and to make effective management decisions.

### Careers

Selkirk Culinary Management graduates are equipped to move into supervisory positions in a wide range of capacities across the entire spectrum of the food and beverage industry. The list below indicates some of the career options available:

- professional cooks
- kitchen supervisory positions
- food and beverage supervisors

### Admission Requirements

In addition to meeting the general entrance requirements for admission to Selkirk College, applicants must meet the following Post-Graduate Diploma in Culinary Management requirements.

- Completion of a 2 Years culinary diploma or professional cooking certification. OR
- Completion of a Bachelor's degree in Hospitality Management with significant course work in Culinary Arts. The culinary courses must include both a practical as well as a theory component.
- Students with a degree in a different field and who possess a shorter credential in the culinary field (one year minimum) will be considered for admission on a case by case basis.
- Submission of scanned, notarized transcripts for post-secondary studies.
- Students from most countries where English is not the official language are required to submit official English language test results.
- IELTS 6.5 overall band score, or equivalent on other internationally recognized English Language Proficiency Tests. Applicants with 6.0 IELTS overall, with no band score less than 5.5, may be admitted to the program but may be required to take an English upgrading course during the first year of study.

Program Courses

PGCM 099 - COMPUTER APPLICATIONS AND COLLEGE ORIENTATION
PGCM 099 – College Orientation will introduce students to the Selkirk College campus experience and will include orientation to the computer lab and various software programs, learning resources and study skills, and an introduction to Canadian culture.

PGCM 100 - CULINARY ARTS 1
Culinary Arts Level 1 will provide students with the knowledge to perform basic cooking and food preparation tasks utilizing knife skills, correct terminology, and a variety of cooking methods. Students will be able to follow recipes, weigh and measure food accurately, and have an understanding of the foundation techniques and principles used in cooking, baking, and other aspects of food preparation.

PGCM 150 - INTRODUCTION TO TOURISM
PGCM 150: Introduction to Tourism provides an overview of the tourism industry, examining the interrelationships between the tourism sectors as well as the economic, environmental, cultural, and social impacts of tourism. Topics include the following: Industry definitions, sectors within the tourism industry, motivational/demographic differences, economic and social impacts, career opportunities, ethical issues, and the role of tourism organizations.

PGCM 151 - MARKETING
PGCM 151: Hospitality Marketing examines the roles and functions of marketing in the tourism industry. The principles of customer service excellence and service recovery are discussed in detail. You are lead through planning, research, optimization, analytics and communications processes discovering how the “12 Ps” are used in the marketing of tourism products and services. E-marketing, and social media techniques and strategies will be discussed and practiced.

PGCM 159 - BUSINESS COMMUNICATIONS
PGCM 159: Business Communications focuses primarily on written and oral communication skills as they relate to the business world. Topics include writing memos, letters, emails, formal reports and other business correspondence, delivering effective verbal presentations, résumé preparation and research techniques. Understanding the theory of business communication and being able to employ this theory effectively in written and verbal communication is critical for tourism, recreation, and hospitality managers who wish to succeed. This course places emphasis on the conceptual, practical, and technical aspects of effective workplace communication.

PGCM 163 - MIXOLOGY AND OENOLOGY
PGCM 163: Mixology and Oenology introduces the learner the fundamental beverage knowledge required to manage a resort/hotel beverage operation. The course is clearly broken into theoretical and practical segments. From a theoretical point of view, the learner will become familiar with important government regulations and the liabilities that influence a beverage operation. The “Serving It Right!” Program, (a provincial requirement for anyone serving alcoholic beverages in BC will be covered thoroughly). The course will examine the methods of production of different spirits, beers and wine. A significant portion of the course will be spent on wine appreciation. Classroom discussion will cover grape varietals, VQA standards & certification, wine production and wine tasting arrangements. Wine and food pairing will also be covered with a general overview of classical cooking terminology. From a practical point of view, the course will provide the learner with the controlled formal practice time necessary to learn the full range of mixology methods – stirring, building, shaking, and blending.

PGCM 164 - FOOD AND BEVERAGE COST CONTROLS
PGCM 164: Food and Beverage Cost Controls. Food and Beverage control is critical to the financial well-being of any food operation. “Control” is used in the context of managing an information system – not the manipulation and suppression of people. Fundamentals of internal controls and information systems for food and beverage operations will be covered. The course covers techniques of effective purchasing, receiving and production; sales control and food and beverage cost calculations. Labour cost control methods are explained and discussed.

PGCM 171 - WORK TERM
PGCM 171: Work Term is a full-time paid work experience (May through September). It is monitored by the College and evaluation is completed by the employer and program instructors. Experiential learning is effective because it provides students with opportunities to acquire supervisory skills and competencies that are applicable to their future careers. This approach recognizes that a supervisor requires significant practice of the principles and skills learned during study and looks to the hospitality industry to provide an environment in which this practice can take place. This work term gives students an opportunity to apply and extend academic knowledge while employed with hospitality employers throughout B.C., Canada and the world.

PGCM 200 - CULINARY ARTS 2
This course will build on using practical cooking methods and theory learnt in the PGCM 100 course. Students will learn production techniques for specialty vegetables, dressings, sauces, and secondary sauces. Additionally, students will understand and prepare foods for volume cooking. The course will also provide preliminary understanding of food costing, menu planning, and the purchasing processes.

Pre-requisites: This course will build on using practical cooking methods and theory learnt in the PGCM 100 course. Students will learn production techniques for specialty vegetables, dressings, sauces, and secondary sauces. Additionally, students will understand and prepare foods for volume cooking. The course will also provide preliminary understanding of food costing, menu planning, and the purchasing processes.

PGCM 253 - ORGANIZATIONAL LEADERSHIP
PGCM 153: Organizational Leadership is designed to help prospective supervisors understand how individuals and organizations function effectively. It provides students with a working knowledge of the formal relationships between employees and management in the work place through the study of leadership styles, motivation, group dynamics and conflict resolution. Students will gain an understanding of the skills required to lead people and to contribute to a team effort. This course also examines changes in society and how they are influencing organizations relating to employee and management roles in time management, stress management, and problem solving.
PGCM 254 - HUMAN RESOURCE MANAGEMENT
PGCM 254: Hospitality Human Resources
Management has a profound effect on the success of tourism operations. An understanding of fundamental human resources theory and practices is necessary in the service sector where the link between the tourism operation and the guest is so critical. Innovative approaches to human resources management are necessary to recruit and retain the right people in the industry. This course focuses on the critical issues that concern managers in the tourism industry, employee relations, recruiting and selection, challenges and trends and employment standards.

PGCM 265 - FOOD SERVICE
PGHM 254: Hospitality Human Resources
Management has a profound effect on the success of tourism operations. An understanding of fundamental human resources theory and practices is necessary in the service sector where the link between the tourism operation and the guest is so critical. Innovative approaches to human resources management are necessary to recruit and retain the right people in the industry. This course focuses on the critical issues that concern managers in the tourism industry, employee relations, recruiting and selection, challenges and trends and employment standards.

PGCM 269 - ACCOUNTING

PGCM 272 - HOSPITALITY LAW
Post Graduate Diploma in Gerontological Nursing

LENGTH OF STUDY:
2 Years

ACCREDITATION:
Post Graduate Diploma

CAMPUS:
Castlegar Campus

Program Summary

If you are an internationally educated nurse and interested in geriatrics, this Post Graduate Diploma will prepare you to effectively work with older adults, promoting wellness and enabling health. The geriatric population is the fastest growing health cohort around the world. Currently 70 per cent of all patients in Canada are elderly. Registered nurses must have specialized knowledge and training to effectively educate, assess and care for these older people.

This Post Graduate Diploma in Gerontological Nursing will give you the tools and skills to meet the complex physical, social, environmental, cognitive and spiritual needs of the elderly.

You will be given the chance to have intercultural exchange between graduate nurses from other countries and on-campus BSN students. This will promote rich dialogue about nursing approaches, philosophies and global health needs. Learn more about the international experience at Selkirk College.

Seminars and occasional class interaction will provide added opportunity for an exchange of ideas and nursing expertise.

CURRICULUM

Upon completion of this program, you will
- Interpret basic geriatric trends and issues
- Analyze and test a wide variety of health assessment tools
- Demonstrate critical, innovative thinking when problem solving complex geriatric issues
- Illustrate how to educate towards wellness in aging
- Develop advocacy skills at relational, unit and policy making levels

 Program Year 1

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<td>GNUR 514 E. O. L.</td>
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<td>MHAD 501 M. H. A. II</td>
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 selkirk.ca/post-graduate-diploma-gerontology
Admission Requirements

In addition to meeting the general entrance requirements for admission to Selkirk College, applicants from countries outside of Canada must meet the following requirements:

- B.Sc. Nursing degree / GNM Diploma from a recognized nursing school with English as a primary language of instruction with overall GPA of 60% or higher
- Registration with a national/provincial/state nursing association
- IELTS 6.5 overall with no band score lower than 6.0 and reading band score 6.5
- One letter of reference from current or previous employer
- Resume / CV with evidence of nursing experience
- Completed Immunization Forms

Program Courses

EASL 066 - COLLEGE PREPARATION
- RESEARCH WRITING

EASL 066: College Preparation: Research Writing is an advanced writing course that focuses on various forms of writing that can be found in the academic and work world. In addition to formal academic research techniques, this course will also explore practical technical writing skills needed for clear, timely, concise and accurate communication. The writer must focus on the purpose and audience as well as the form, style and organization. In this class, students will produce a variety of practical and academic forms of writing, including correspondence, summaries, instructions, proposals, reports etc.

Pre-requisites: EASL 056A or EASL 056C with a grade of "C" or better, or equivalent.

GNUR 399 - COLLEGE ORIENTATION

This course will introduce students to the Selkirk College campus experience and will include orientation to the computer and nursing labs, campus resources, and expectations of the program. This course will introduce students to the Selkirk College campus experience and will include orientation to the computer and nursing labs, campus resources, and expectations of the program.

GNUR 401 - CONTEMPORARY ISSUES IN GERONTOLOGY

Contemporary Issues in Gerontology will provide students with an understanding of how the process of aging affects individuals and how an aging population affects and influences Canadian society. Aging will be examined within historical, contemporary and culture contexts. Topics will include aging and health, aging demographics, the psychology and sociology of aging, finances and economics, retirement, leisure, housing and transportation, and family social supports. Participants will have the opportunity to identify and examine their personal beliefs and values about the aging process throughout the course.

GNUR 403 - RELATIONAL PRACTICE

This course focuses on the development of self-awareness, increased understanding of others, and development of effective interpersonal communication skills that can be used in a variety of care-giving contexts. Students are encouraged to become more aware of the impact of their own communication choices and patterns. They have opportunity to develop and use communication techniques that demonstrate personal awareness, respect, and active listening skills.

GNUR 411 - INTRODUCTION TO NURSING LEADERSHIP

This is a dynamic course for new and aspiring leaders. Learners will develop strong interpersonal and team building skills while exploring their own personal philosophy of leadership. Students will focus on and develop skills to manage conflict in the workplace, build team performance, collaborate effectively with others, problems solve, and manage change while pursuing personal improvement and development as future leaders in the healthcare system.

GNUR 412 - PROFESSIONAL NURSING IN THE CANADIAN HEALTHCARE SYSTEM

This course will introduce international nurses to the structure of the Canadian health care system, and the roles and scopes of practice of nurses working within it. Theoretical foundations of professional nursing practice will provide a basis for understanding and examining Standards of Practice and ethical responsibilities within nursing. The significance of health promotion and holistic health care will underscore how nurses can provide care that strives to help clients gain or retain quality of life and reduce health disparities within diverse populations.

GNUR 500 - INTRODUCTION TO GERONTOLOGICAL NURSING

This course will detail the unique roles and functions of geriatric nursing by exploring historical underpinnings, societal needs, and current issues. Canadian and international standards for gerontological care will be examined and woven throughout course content. A conceptual model for nursing acutely ill, chronically ill or frail elders will provide a ground-work for use of best practice assessment tools and critical analysis. Communication skills for optimal teamwork with enhance the nurse’s interaction with elders, family members and other caregivers.

GNUR 501 - PSYCHOSOCIAL ISSUES IMPACTING AGING

Looks at how cognitive and affective function can be impacted by life events, role change, personal choice and behaviour, acute and chronic disease, or environmental stressors. With a view to helping the older individual attain their optimal level of wellness, this course will explore those psychosocial issues through the lenses of Maslow’s Hierarchy of Needs and a Successful Aging theory. Readings and course dialogue help gerontological nurses to develop strategies to assess coping ability, identify risk factors that undermine independence and well-being, and promote psychosocial health.

GNUR 503 - DELIRIUM, DEMENTIA AND DEPRESSION IN THE ELDERLY

Examines current theories of causality, presenting behaviours, risk factors and therapies for each of these conditions. Assessment tools and best practice strategies are reviewed. The impact of dementia on family and professional caregivers is considered and nursing care focuses on methods to enhance and retain patient abilities.

GNUR 504 - NURSING LAB – PHYSICAL ASSESSMENT AND BASIC SKILLS

This class will allow the student opportunities to learn and demonstrate skills necessary to register for their HCA certificate. In addition, classes will focus on learning material that apply skills particular to the Canadian Health care system and care of the older adult with an emphasis on assessment proficiency, psychomotor skills and documentation abilities. The simulation suite will be utilized to help expand the learning experience.

GNUR 505 - ADVANCED PHARMACOLOGY FOR THE ELDERLY

Provides an overview of drugs used in the Canadian context and relevant lab values related to drug therapy. An understanding of the pharmacokinetics and pharmacodynamics related to the aging body will assist the gerontological nurse in understanding drug reactions. The nursing role in medication management with aging clients will be defined. Reasons for drug misuse and abuse will be explored, and principles and strategies developed to improve drug regimen compliance. The role of nurses and their practice in culturally diverse contexts is considered. This course is a hybrid of classroom and online learning.
GNUR 508 - NURSING LAB - CLINICAL SKILLS AND THE OLDER ADULT
GNUR 508: Nursing Lab: Clinical Skills and the Older Adult builds on and consolidates concepts and nursing knowledge from earlier courses in the program. Participants will have the opportunity to practice relevant psychomotor skills associated with complex episodic and chronic health challenges experienced by older adults. This course will emphasize participant assessment proficiency, relevant clinical skills, documentation and relational capacity. The simulation suite will be utilized to help expand the learner’s experience.

Pre-requisites: Completion of all courses in semesters 1 through 3 of the International Gerontology Nursing program.

GNUR 511 - PHYSICAL AGING AND CHRONIC DISEASE MANAGEMENT: PART I
Focuses on the normal changes of aging in all body systems. Select chronic diseases or conditions and their treatment modalities, will be reviewed simultaneously with body system overviews. Using Carol Miller’s (2009) Model for Promoting Wellness in Older Adults, an exploration of potential risk factors, iatrogenic complications, and functional challenge will lead the nurse to critically think about how to enhance physical health function. The compounding effect of acute illness on chronic health problems will also be examined.

GNUR 512 - PHYSICAL AGING AND CHRONIC DISEASE MANAGEMENT: PART II
This is a continuation of GNUR-1 (3) 511 continuing an examination of normal changes of aging in body systems and introducing further chronic conditions and their treatment modalities.

GNUR 514 - END-OF-LIFE CARE
Examines the unique way caregivers think, respond, and act as they give skilled and compassionate care to a dying person and the support system of that person. The course begins by helping each nurse understand their own perceptions of death and palliation by reflecting on their experiences with dying people. Participants will gain specific and current knowledge about symptom assessment and management, and how to deal with selected palliative emergency situations. Particularly unique aspects of caring for the dying, eg, family care, communication, grief, and self-care will be explored.

GNUR 520 - CLINICAL PRACTICE IN COMPLEX CARE
This supervised practice experience provides students with an opportunity to apply knowledge and skills from all courses in the program to-date with individuals living in a complex care setting. A portion of this nursing experience will be devoted to providing nursing care to individuals experiencing cognitive challenges and/or end-of-life needs. Opportunity will be provided for students to gain expertise and confidence with the role of the geriatric nurse within a complex care facility.

GNUR 525 - NURSING PRACTICE IN MULTIPLE CLINICAL SETTINGS
GNUR 525: Nursing Practice in Multiple Clinical Settings provides opportunities for participants to experience the RN roles and responsibilities working with older adults. Participants will experience interdisciplinary team collaboration, opportunities to be healthy educators and mentorship of novice students. They will work in professional roles with groups, families and individuals, in communities, agencies and care facilities, to consolidate their learning.

MHAD 500 - MENTAL HEALTH AND ADDICTIONS I
Introduction to the study of mental health and addiction problems from a lifespan perspective, with a focus on aging populations. This course examines a spectrum of mental health and substance use problems pertinent to men and women over 50 years of age from a harm reduction perspective.

Pre-requisites: Completion of Year 1 of the Post Graduate Diploma in Gerontological Nursing

MHAD 501 - MENTAL HEALTH AND ADDICTIONS II
This course is a continuation of Mental Health and Addictions I and focuses on a variety of rehabilitative and treatment modalities used in working with older adults. Attitudes toward mental health and substance use problems and how they impact helper effectiveness are explored in a supportive milieu.

Pre-requisites: MHAD 500

Contacts

SELKIRK INTERNATIONAL
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Email: international@selkirk.ca
### Post-Graduate Diploma in Hospitality Management

**selkirk.ca/post-graduate-diploma-hospitality-management**

#### Year 1

**SEMESTER 1**

<table>
<thead>
<tr>
<th>Course</th>
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<tr>
<td>PGMH 150</td>
<td>Introduction to Tourism</td>
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<tr>
<td>PGMH 155</td>
<td>Computer Applications</td>
<td>3</td>
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<tr>
<td>PGMH 159</td>
<td>Business Communications</td>
<td>3</td>
</tr>
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<td>PGMH 161</td>
<td>Accommodation Management</td>
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</tr>
<tr>
<td>PGMH 164</td>
<td>Food and Beverage Cost Controls</td>
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**SEMESTER 2**

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<td>PGMH 153</td>
<td>Organizational Leadership</td>
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<tr>
<td>PGMH 162</td>
<td>Supervisory Food and Beverage Service</td>
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<tr>
<td>PGMH 169</td>
<td>Accounting</td>
<td>3</td>
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<tr>
<td>PGMH 172</td>
<td>Kitchen Management/Food Preparation</td>
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<td>PGMH 180</td>
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**SEMESTER 3**

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#### Year 2

**SEMESTER 1**

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<tr>
<td>PGMH 263</td>
<td>Mixology and Oenology</td>
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</tr>
<tr>
<td>PGMH 270</td>
<td>Convention, Sales and Catering Services</td>
<td>3</td>
</tr>
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<td>PGMH 272</td>
<td>Hospitality Law</td>
<td>3</td>
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<tr>
<td>PGMH 273</td>
<td>Tourism and the Canadian Economy</td>
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<tr>
<td>PGMH 275</td>
<td>Hospitality Computer Applications</td>
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**SEMESTER 2**

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<th>Course</th>
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<tr>
<td>PGMH 254</td>
<td>Human Resource Management</td>
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<tr>
<td>PGMH 259</td>
<td>Management Communications</td>
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<tr>
<td>PGMH 268</td>
<td>Budgeting and Entrepreneurial Training</td>
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<td>PGMH 265</td>
<td>Food Service Management</td>
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<tr>
<td>PGMH 315</td>
<td>Leadership</td>
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</table>

**Total 15**

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**LENGTH OF STUDY:**

2 Years

**ACCREDITATION:**

Post-Graduate Diploma

**CAMPUS:**

Tenth Street Campus, Nelson

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### Program Summary

Build on your education and life experience with the Post-Graduate Diploma in Hospitality Management. Business specialists such as human resource managers, marketing professionals, accountants, and entrepreneurs are among Canada's top 10 highest paid personnel. The tourism sector may soon become the number one industry in BC; it already offers the most employment opportunities. There are currently 115,000 direct tourism jobs in BC.

**YOU’LL BENEFIT FROM**

The two-year Post Graduate Diploma in Hospitality Management will provide you with the knowledge and skills necessary to be successful in the ever-changing and competitive business world in Canada, specifically the hospitality industry.

The Post Graduate Diploma in Hospitality Management includes a paid 4-month work term from May-September. Students will be given the opportunity to interview for positions in the hospitality industry either locally, in larger cities, or in resort areas. The work term is a required component of the Post Graduate Diploma and offers an opportunity to take your education abroad. Find out more information on how Selkirk College can be a launching pad to see the world at Selkirk International.

---

### Admission Requirements

In addition to meeting the general entrance requirements for admission to Selkirk College, applicants must meet the following Post-Graduate Diploma in Hospitality Management requirements.

**ACADEMIC**

- International applicants must have completed a minimum of a 2 Years diploma or Bachelor’s degree from a recognized English speaking post-secondary institution.
a case study analysis of an existing company to

steps of the Marketing Planning Process discovering

service excellence and service recovery are

The roles and functions of marketing in the tourism
demonstrate knowledge of marketing

PGHM 153 - ORGANIZATIONAL LEADERSHIP

This course focuses on how individuals function
effectively in organisations by examining behaviour
from individual, small group, inter-group and
organisational perspectives. A participatory
model using experiential exercises illustrates how
groups help or hinder the organisation. Topics
include: communication models, strategies for
effective leadership, leadership styles, motivational
techniques, group dynamics and behaviour, stress
management, delegation, organisational structure
and change, and values and attitudes. Students learn
how to become effective members of groups by
working together towards common goals.

PGHM 155 - COMPUTER APPLICATIONS

This course will provide the student with a general introduction to computers and Microsoft application
software. Setting up and using e-mail and Moodle is emphasized, as assignments will be submitted to the
instructor via this venue. The student will also explore
and utilize the web and/or online libraries, searching
for information for class assignments. In the second
segment, the student will assimilate the basics of
Microsoft Word with regards to correct formats for
posters/announcements, résumés, research papers,
envelopes, letters, tables and newsletters including
all page and print enhancements. Form letters,
mailing labels and directories are also covered using
the Mail Merge function. The third section will cover
the basics of Microsoft Excel, using a number of
commands to enhance a worksheet, chart sheets,
templates and graphs. Page and print enhancements
will also be utilized. The final section covers the
integration of Word and Excel.

PGHM 159 - BUSINESS COMMUNICATIONS

This course focuses primarily on written and oral
communication skills as they relate to the business
world. Topics include writing memos, letters, emails,
formal reports and other business correspondence,
delivering effective verbal presentations, résumé
preparation and research techniques. Understanding
the theory of business communication and being able
to employ this theory effectively in written and verbal
communication is critical for tourism, recreation,
and hospitality managers who wish to succeed. This
course places emphasis on the conceptual, practical,
and technical aspects of effective workplace
communication.

PGHM 161 - ACCOMMODATION MANAGEMENT

This course is intended to introduce the learner to the
general principles of managing the accommodation
facility of a hotel or resort. The complete guest cycle
is covered beginning with the reservation request
through to the final accounting documentation.
Other topics include different types of lodging,
current trends in guest services, competitive tactics
that hotels and resorts use in their services and
amenities, the important features of condominium
and timeshare operations, security and safety
issues relevant to areas of the lodging industry and
contingencies and plans for emergencies.

PGHM 162 - SUPERVISORY FOOD
AND BEVERAGE SERVICE

The food and beverage department plays an
important role in the overall success of the operation
at a resort or hotel. The purpose of this course is to
introduce the fundamentals of food and beverage
service and the impact it has on the success of
the restaurant. The course will deal with the elements
of service through theoretical discussion and hands
on practical service through Scholars Dining Room.
The course will cover the theoretical components of
customer service, restaurant sanitation, types of
menus, menu terminology, types of food service,
service of wine, suggestive selling, establishing and
evaluating service standards, communications and
handling the service with a computer system. The
practical component will involve hands-on training
through serving either in the College's Scholars
Dining Room and/or at a college catered event.

PGHM 164 - FOOD AND BEVERAGE
COST CONTROLS

Food and Beverage control is critical to the financial
well-being of any food operation. "Control" is used
in the context of managing an information system
—not the manipulation and suppression of people.
Fundamentals of internal controls and information
systems for food and beverage operations will be
covered. The course covers techniques of effective
purchasing, receiving and production; sales control
and food and beverage cost calculations. Labour cost
control methods are explained and discussed.

PGHM 169 - ACCOUNTING

This is an introductory course in accounting, from
the basic accounting equation to preparation of
the Income Statement, Statement of Changes in
Owner's Equity, and Balance Sheet. This course
covers merchandise operations, service business
accounting, depreciation, adjusting entries, as well as
specialized journals.

PGHM 171 - WORK TERM

This full-time paid work experience (May through
September) is monitored by the College and
evaluation is completed by the employer and
program instructors. Experiential learning is effective
because it provides students with opportunities
to acquire supervisory skills and competencies
that are applicable to their future careers. This approach recognizes that a supervisor requires significant practice of the principles and skills learned during study and looks to the hospitality and tourism industry to provide an environment in which this practice can take place. This work term gives students an opportunity to apply and extend academic knowledge while employed with qualified hospitality and tourism employers throughout B.C., Canada and the world.

PGHM 172 - KITCHEN MANAGEMENT/ FOOD PREPARATION
In this course students will study and practice the fundamental skills necessary to function competently in a kitchen. Via practical hands on experience this course will provide students with a glimpse of the day in the life of a chef and the culinary world. Professionalism, teamwork, proper safety and sanitation procedures are all a part of any well run kitchen and will be emphasized in this course. This hands-on course covers aspects of food preparation and safety considerations. During the course the students prepare lunch in the college cafeteria, learn how to create “eye appeal” in food preparation, understand timing and prepare food for an evening event.

PGHM 180 - FIELD TRIP
This course is a five day credit bearing field trip to visit hotels, resorts and restaurants. Although locations change from year to year, they typically include resort areas throughout Western Canada. This trip provides an excellent opportunity for students to examine established lodging and food and beverage facilities, and meet with hospitality industry personnel from general managers to front line staff.

PGHM 254 - HUMAN RESOURCE MANAGEMENT
Human Resource Management has a profound effect on the success of tourism operations. An understanding of fundamental human resources theory and practices is necessary in the service sector where the link between the tourism operation and the guest is so critical. Innovative approaches to human resources management are necessary to recruit and retain the right people in the industry. This course focuses on the critical issues that concern managers in the tourism industry, employee relations, recruiting and selection, challenges and trends and employment standards.

PGHM 259 - MANAGEMENT COMMUNICATIONS
Learning to communicate effectively involves knowledge and practice at a number of levels. In addition to theories about intrapersonal, interpersonal, group dynamics, and cross cultural communication, this course builds on a variety of practical business communication topics that are useful to managers in the hospitality and tourism industries. Selected topics and case studies assist students in developing the skills necessary for successful communications. The cross cultural communications component of the course is designed to prepare students for the challenge of living and working in an increasingly diverse society. Students will study both theoretical and practical aspects of communicating with people from other cultures. Examination and understanding of other cultures, including language, values and stereotyping, are emphasized in addition to a focus on the wide range of situations in which students may find themselves dealing with cross-cultural issues, particularly when conflict or misunderstanding occurs.

PGHM 263 - MIXOLOGY AND OENOLOGY
The purpose of this course is to introduce the learner the fundamental beverage knowledge required to manage a resort/hotel beverage operation. The course is clearly broken into theoretical and practical segments. From a theoretical point of view, the learner will become familiar with important government regulations and the liabilities that influence a beverage operation. The “Serving It Right” Program, (a provincial requirement for anyone serving alcoholic beverages in BC will be covered thoroughly). The course will examine the methods of production of different spirits, beers and wine. A significant portion of the course will be spent on wine appreciation. Classroom discussion will cover grape varietals, VQA standards & certification, wine production and wine tasting arrangements. Wine and food pairing will also be covered with a general overview of classical cooking terminology. From a practical point of view, the course will provide the learner with the controlled formal practice time necessary to learn the full range of mixology methods — stirring, building, shaking, and blending.

PGHM 265 - FOOD SERVICE MANAGEMENT
The Food and Beverage Department, be it a hotel or resort, is a high profile department and can be a substantial profit centre. It is one thing to understand that you must control a Food and Beverage operation, but it is another to understand how, when and why you must do it. The purpose of this course is to show how you can manage the department to provide desired levels of profitability and customer satisfaction. Through lectures and hands on operations exercises you will study food and beverage operations and learn how to analyze and implement changes that will affect the success of the food service department.

PGHM 268 - BUDGETING AND ENTREPRENEURIAL TRAINING
The principles and practices of developing a successful tourism or hospitality business are undertaken. Course work includes analysis, creating a vision, goals, financial and business plans, advertising and marketing applications, and research methods and techniques.

PGHM 270 - CONVENTION, SALES AND CATERING SERVICES
The amount of special event, convention and meeting business that exists today is a large part of the tourism and hospitality industry. This course provides insight into the scope and various segments and shows the relationship between professional service and operational success. You will learn how to sell and service the convention/banquet business to ensure successful events/special events.

PGHM 272 - HOSPITALITY LAW
This course outlines Canadian Law applicable to the hospitality industry, identifies areas where there may be potential legal problems, and discusses rights and liabilities relative to relationships within the hospitality industry. Topics include constitutional law, the common law of contract, definition of hotels and related establishments, safety of guests and torts, care of guests’ property, sale of food and alcohol, insurance, hotel keeper’s compensation.

PGHM 273 - TOURISM AND THE CANADIAN ECONOMY
An introduction to basic micro and macro economics with applications to tourism and the Canadian economy. Topics include the operation of markets, costs of production, types of markets, inflation, growth, unemployment and exchange rates.

PGHM 275 - HOSPITALITY COMPUTER APPLICATIONS
Hospitality Computer Applications students will explore the information needs of lodging properties and food service establishments. Through hands-on experience, students are given the opportunity to learn a food and beverage computer system and a front office computer system.

PGHM 315 - LEADERSHIP

Contacts

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Fax: 250.365.5410
Email: international@selkirk.ca
Psychology

selkirk.ca/psychology

LENGTH OF STUDY:
2 Years

ACCREDITATION:
Associate of Arts Degree

CAMPUS:
Castlegar Campus

Program Summary

Have you ever wondered why we think, feel or act as we do?

PROGRAM OVERVIEW
Psychology is the scientific study of mind and behavior and psychologists seek to understand all aspects of human thought, experience and action. For example, psychologists interested in decision making might investigate the roles of reason or superstition in the choices people make. Other psychologists might focus on factors that influence emotions ranging from uncontrollable rage, paralyzing fear, and suicidal depression to passionate desire and ecstatic joy. Psychologists are interested in the circumstances that might motivate an individual to risk their own life to save others at one moment and commit acts of great cruelty at another. Finally, psychologists apply insights gained through research to practical issues such as treatment of mental illness, increasing job satisfaction, reducing prejudice, increasing recovery from brain injury, preventing crime, and developing youth programs that enhance self-esteem and achievement.

With your two-year associate of arts degree in psychology you’ll get most, if not all, of the requirements to enter third year of a major or honours psychology degree program. Complete a specified two years (approximately 60 credits) of courses with us, and then finish your degree at the university of your choice.

COURSES INCLUDE
– Introductory Psychology
– Biological Psychology
– Emotional and social disorders
– Child development
– Research methods
– Psychotic and organic disorders
– Adult development

Year 1
The following is a suggested mix of courses to satisfy requirements for the associate of arts degree in psychology. Courses should be chosen only after consultation with a counsellor.

SEMMETER 1

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<tr>
<td>PSYC 100</td>
<td>Introductory Psychology I</td>
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<tr>
<td>MATH SCI</td>
<td>Mathematical Science Elective for Arts</td>
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<td>HUMANITIES</td>
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<td>PSYC 101</td>
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<td>LAB SCI</td>
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Year 2

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<td>Psychology Requirement: PSYC 231 or PSYC 241</td>
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Total 15
AVAILBLE PROGRAMS
- Psychology Flexible Pre-Major: this program will ensure you have completed the first and second-year psychology courses required to enter into a psychology major at the third-year level.
- Psychology Associate of Arts Degree: complete the majority of your first two years of a psychology major.

Following completion of the associate of arts program in psychology, students will understand and be able to explain major concepts, theoretical perspectives, empirical findings and historical trends in psychology. This will include content related to developmental psychology, mental illness and biological psychology. Students will also be able to apply critical and creative thinking; skeptical inquiry; and the scientific approach to solve problems related to behavior and mental processes. They will know how to seek and evaluate scientific evidence for psychological claims and apply basic research methods so as to become informed consumers of research. Students will also understand the necessity of ethical behavior in the science and practice of psychology.

CAREER POTENTIAL
This diverse field can lead to hundreds of different careers involved with human behavior and why we think, feel and act as we do. You can also use your degree to work towards other professional careers in fields like medicine, law, business management. Examples of a pathways open to students of psychology include:
- Behavioral Analyst
- Employment and Rehab Advisor
- Youth Counsellor
- Guidance Counsellor
- Clinical Psychologist
- Psychology Researcher
- Psychology Educator
- Market Researcher
- Gerontologist
- Neuropsychologist

If you are interested in learning more about the range of career options in psychology, the following links are two excellent sources of information:
- Career Guide published by the American Psychological Association
- Canadian Psychological Association Career Resources Guide

Admission Requirements
Admission to the program requires the completion of English 12 with a grade of “C” or better or written permission of the Instructor and School Chair. Other prerequisites depend on the electives chosen to complete the program and should be determined with the advice of a Selkirk College counsellor.
If you are a student who lacks the admission requirements, you may still gain entry to the program by taking a combination of university courses in your first year. This may extend the length of your program.

Program Courses
- SECOND YEAR ARTS BREATHTH REQUIREMENT (EXCLUDING DISCIPLINE)
Students may take any second-year UAS Arts elective (Humanities or Social Sciences) excluding your major discipline.

- SECOND YEAR ARTS REQUIREMENT (INCLUDING DISCIPLINE)
Students may take any second-year UAS Arts elective (Humanities or Social Sciences) including your major discipline.

ENGL 110 - COLLEGE COMPOSITION
English 110 is about thinking and writing. You will learn how to develop and express informed opinions on issues that matter. You will also learn about research, editing, and expository and persuasive academic writing forms.
Pre-requisites: A “C” or better in ENGL 12 or equivalent or LPI level 4 or written permission of the Instructor and School Chair.

- ENGLISH REQUIREMENT:
ENGL 111 OR ENGL 114
Students requiring first-year English have a choice of the English 110/111 or the 112/114 sequence. The 110/111 sequence is focused on the development of academic writing and research.
- ENGL 111 - Introduction to Literature
- The 112/114 sequence is focused on the interpretation of literature.
- ENGL 114 - Introduction to Prose Fiction

- HUMANITIES ELECTIVE
Students have the choice of any course from the list of 100 or 200 level Humanities courses offered by Selkirk.
- Creative Writing
- English
- French
- History
- Peace & Justice Studies
- Philosophy
- Spanish

- LABORATORY SCIENCE ELECTIVE
A student may take any first- or second-year science course with a minimum two-hour lab, excluding any courses in applied science, computing science, math or statistics. Some university degree programs may not accept astronomy and/or physical geography as a lab science. Please consult a Selkirk College counsellor.
- Astronomy
- Biology
- Chemistry
- Geography 130, 232, 254
- Geology
- Physics

- MATHEMATICAL SCIENCE ELECTIVE FOR ARTS
Students may take any university-transferable, first- or second-year course in mathematics, computer science or statistics.
- MATH 100
- MATH 101
- MATH 125
- MATH 140
- MATH 180
- MATH 181
- MATH 221
- CPSC 100
- CPSC 101
- STAT 105
- STAT 206

- Science Elective
Students may take any first- or second-year UAS Science course. This course is not required to have a lab component.
PSYC 100 - INTRODUCTORY PSYCHOLOGY I
An introduction to the methods, theory and practice of psychology as a science. Among others, topics will include motivation and emotion, learning and memory, biological foundations, sensation and perception. Other topics are added at the discretion of the individual instructor. Class demonstrations and activities are used to illustrate concepts. Teaching methods and resources in the course vary with the instructor.
Pre-requisites: ENGL 12 or equivalent with a grade of "C" or better or written permission of the instructor and School Chair.

PSYC 101 - INTRODUCTORY PSYCHOLOGY II
Topics include thinking and other cognitive processes, development of the individual, personality, behaviour disorders, health and social psychology. Other topics are added at the discretion of the instructor. Class demonstrations and activities are used to illustrate concepts.
Pre-requisites: PSYC 100 with a grade of "C" or better or written permission of the instructor and School Chair.

PSYC 200 - BIOLOGICAL PSYCHOLOGY
This course is for students who intend to major in psychology. Emphasis is placed on biological processes underlying sensation, perception, learning and motivation.
Pre-requisites: PSYC 100/101 or equivalent or written permission of the Instructor and School Chair.

PSYC 202 - RESEARCH METHODS
This course introduces prospective Psychology majors to the major methodological principles which guide research in Psychology. The primary focus is on experimental design, but students will be exposed to some elementary descriptive statistics. Topics include critical thinking and scientific reasoning, principles of measurement, types of variables, validity and reliability, and research ethics. Weekly labs offer hands-on applications of basic concepts to the design of research.
Pre-requisites: PSYC 100/101 or written permission of the Instructor and School Chair.

- PSYCHOLOGY REQUIREMENT:
PSYC 230 OR PSYC 240
Students requiring a second-year Psychology course have a choice of PSYC 230/231 or the PSYC 240/241 sequence.

PSYC 230: EMOTIONAL AND SOCIAL DISORDERS
The 230/231 sequence is focused on disorders. Psychology 230 is the first of two courses which study psychological disorders. In this course we will first study the major personality theories as they apply to abnormal psychology. This is followed by an introduction to the Diagnostic and Statistical Manual classification system [DSM], and research and legal issues. The course then begins its examination of emotional and social disorders including: anxiety disorders; somatoform disorders; dissociative disorders; personality disorders; and, psychological factors that affect physical health.
Pre-requisites: PSYC 100/101 with a grade of "C" or better or written permission of the Instructor and School Chair.

PSYC 240: CHILD DEVELOPMENT
The 240/241 sequence is focused on development. An introduction to normal child development, this course explores selected aspects of the physical, cognitive, emotional, and moral development of children from birth to adolescence; and examines the major theories of child development.
Pre-requisites: PSYC 100/101 or equivalent or written permission of the Instructor and School Chair.

- PSYCHOLOGY REQUIREMENT:
PSYC 231 OR PSYC 241
Students requiring second-year Psychology have a choice of PSYCH 230/231 or the PSYC 240/241 sequence.

PSYC 231: PSYCHOTIC AND ORGANIC DISORDERS
The 230/231 sequence is focused on disorders. Psychology 231: Psychotic and Organic Disorders is the second of two courses which study psychological disorders. In this course we will examine psychotic, pervasive and other major psychological disorders. We will consider the causes, prognosis and treatments of such disorders as: affective disorders; the schizophrenia; developmental disorders; eating disorders; substance-abuse disorders; and sexual disorders.
Pre-requisites: PSYC 230 or written permission of the Instructor and School Chair.

PSYC 240: ADULT DEVELOPMENT
The 240/241 sequence is focused on development. An introduction to normal adult development, this course examines critical issues and theories of adolescence, and early, middle and late adulthood.
Pre-requisites: PSYC 100/101 or equivalent or written permission of the Instructor and School Chair.

- SOCIAL SCIENCE ELECTIVE
A student may take any Selkirk course from the following disciplines:
- Anthropology
- Economics
- Psychology
- Sociology
- Women's Studies
In addition, a student may take:
- Geography 136
- Geography 140
Students may also be able to take Human Services course such as:
- Gerontology 200
- Addiction 184
- Family 180
- First Nations 287
Other course may satisfy the requirement, please check with a counsellor or the UAS Chair.

- GENERAL UAS ELECTIVE
A student may take any first-year or higher university transferable course to satisfy this elective. Each course must transfer for three or more credits to at least one of: SFU, UBC (Vancouver or Okanagan), UNBC or UVIC. To learn more about how your courses transfer visit the online BC Transfer Guide or contact a Selkirk counsellor.

Contacts
UNIVERSITY ARTS & SCIENCES ADMISSIONS
Admissions Officer (Castlegar)
Phone: 1.888.953.1133 ext 21233
Direct: 250.365.1233
Email: admissions@selkirk.ca

UNIVERSITY ARTS & SCIENCES
Program Contact
Phone: 1.888.953.1133 ext 21205
Direct: 250.365.1205
Email: uas@selkirk.ca

TRACY PUNCHARD
School Chair of UAS; Instructor, English
Phone: 1.888.953.1133 ext 21318
Direct: 250.365.1318
Email: tpunchard@selkirk.ca
## Program Summary

There is an ever growing need for skilled RFW technologists to play a critical role in understanding, managing, and protecting our vital natural resources. Whether your interests lie in the importance of ensuring the integrity of fish and wildlife habitats, or creating usable outdoor recreation spaces, this program is for you.

Gain experience in cutting-edge technology with field-based learning giving you the hands-on skills and knowledge necessary to successfully compete for jobs like Park Rangers, Fisheries and Wildlife technologists, and Recreation technologists. Our small class sizes and experienced instructors provide a rich learning environment complemented by the spectacular West Kootenay.

### WELL-ROUNDED TRAINING

Our outdoor classroom provides relevant learning experiences for you to gain valuable skills in backcountry recreation, fish and wildlife management, and get practical training in:

- Computer systems for environmental technologies
- Ecosystem health and management
- Fish and wildlife identification and management
- Parks and recreation management
- Avalanche awareness
- Backcountry navigation and travel

Students enrolling in the Recreation, Fish & Wildlife will spend their first year studying alongside students in Forest Technology programs.

This program can provide you with a 4-month Co-Op Education experience and transfers to several Canadian universities offering transfer into a variety of degree programs.

### ADDITIONAL RESOURCES

We offer College Success, a one-week overview of learning and study skills, during the same week.

### Year 1

#### SEMESTER 1

<table>
<thead>
<tr>
<th>Course</th>
<th>Name</th>
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<tbody>
<tr>
<td>ENVR 150</td>
<td>Hydrology I</td>
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<tr>
<td>ENVR 160</td>
<td>Surveying &amp; Field Measurements</td>
<td>On Campus 4</td>
</tr>
<tr>
<td>ENVR 162</td>
<td>Applied Botany and Ecosystem Classification</td>
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<td>ENVR 164</td>
<td>Soil and Earth Sciences</td>
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<td>ENVR 190</td>
<td>Computer Applications I</td>
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<td>MATH 160</td>
<td>Technical Math Review</td>
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<td>ENVR 158</td>
<td>Introduction to Geomatics</td>
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<td>ENVR 163</td>
<td>Terrestrial Ecology and Biology</td>
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<td>ENVR 170</td>
<td>Fish and Wildlife Ecology</td>
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<td>MATH 190</td>
<td>Resource Statistics I</td>
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<td>TWC 151</td>
<td>Introduction to Technical Writing and Communications II</td>
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<td>RFW 255</td>
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### Year 2

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<td>Field Trip Study</td>
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<td>RFW 256</td>
<td>Backcountry Risk Analysis and Mitigation I</td>
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<tr>
<td>RFW 262</td>
<td>Ecosystem-Based Management</td>
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<td>RFW 263</td>
<td>Outdoor Recreation Operations and Management</td>
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<td>RFW 272</td>
<td>Techniques in Wildlife Management I</td>
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<td>RFW 280</td>
<td>Techniques in Aquatics and Fisheries I</td>
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<td>ENVR 290</td>
<td>Computer Applications in Resource Management</td>
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<tr>
<td>RFW 251</td>
<td>Environmental Legislation and Policy</td>
<td>On Campus 2</td>
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<tr>
<td>RFW 257</td>
<td>Backcountry Risk Analysis and Mitigation II</td>
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</tr>
<tr>
<td>RFW 265</td>
<td>Commercial Recreation Management</td>
<td>On Campus 3</td>
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<tr>
<td>RFW 271</td>
<td>Applied Research Project</td>
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<td>RFW 273</td>
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<tr>
<td>RFW 281</td>
<td>Techniques in Aquatics and Fisheries II</td>
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Continuing Education
Selkirk College’s Recreation, Fish and Wildlife program also provides excellent credit transfer opportunities for students interested in continuing their studies in Selkirk’s degree or advanced diploma in Geographic Information Systems, or in pursuit of a related degree at various other institutions. Students who continue their academic studies after graduation from our program consistently discover that the solid technical and academic foundation obtained during their Selkirk studies provides them with a distinct competitive advantage.

Additional Information

Common Core
The first year of Recreation, Fish and Wildlife Technology (RFW), Forest Technology (Forestry) and Integrated Environmental Planning Technology (IEP) programs consist of a core of common courses emphasizing resource skills, knowledge and professionalism in: fish and wildlife ecology, botany and terrestrial ecology, inventory, measurement, mapping, communications and math.

The second year of each program synthesizes the skills, knowledge, and professionalism of first year with applied management, planning, and advanced techniques and principles. Integration of learning in each program is required.

The common core allows students to obtain an additional diploma in Forestry or IEP by completing the relevant third year.

Nationally Accredited
The Recreation, Fish and Wildlife Technology program is nationally accredited with the Canadian Technologists Accreditation Board. This helps to ensure the program is relevant, and the quality of the program has been assessed against industry outcomes. In addition, we meet regularly with a Program Advisory Committee consisting of industry and government representatives. Many of these representatives are past graduates. Advisory committee feedback can result in updates to our curriculum.

Admission Requirements

The Recreation, Fish and Wildlife Diploma can be completed on a full-time (2 years) or part-time basis. Each term will include courses that are conducted in classrooms, labs and field settings. In addition to meeting entrance requirements for Selkirk College, Recreation, Fish and Wildlife has the following program requirements:

Math: (one of the following)
- Pre-Calculus 11 with a grade of “C+” (67%)
- Foundations of Mathematics 11 with a grade of “C+” (67%)
- or an equivalent course

English:
- English 12 with a grade of “C+” (67%), or
- Three credits of post-secondary English, Humanities or Social Sciences with a grade of “C” (60%) from a recognized institution.

Biology:
- Biology 11, or equivalent science course with a grade of “C+” (67%).

Transfer Credit:
- For students with previous post-secondary experience, advanced credit may be available for related course work through the Application for Advanced Credit Process.

Not Quite There?
School of Environment and Geomatics (SEG) staff are committed to helping students prepare for admission into their chosen program.

If you don’t currently have these pre-requisites a variety of options exist to set you up for success in the program. Students can take a combination of preparatory and upgrading courses in a first year which extends the length of the program to three years, but greatly enhances success. Applicants interested in this option should contact student counseling services.

Careers

Employment rates in the past few years have been over 75% for graduates working in the field of Recreation, Fish & Wildlife within two months of graduation. Graduates are well prepared to serve in a variety of roles that have advancement potential and can lead to higher levels of education and professional designation.

1 Year
- Environmental tech.
- Fisheries technician
- Forestry tech.
- Naturalist
- Park ranger
- Research tech.
- Trail crew
- Wildlife tech.

3 Years (Many Require Degrees)
- Consultant
- Entry level government
- GIS tech.
- Recreation officer
- Senior park ranger
- Senior technician in fish and wildlife jobs
- University student (See below for info on furthering your education.)

5 Years
- Conservation Officers
- Consulting (Sole Proprietor)
- GIS Analyst
- Park Planner
- Professional Biologist

Degree and Diploma Transfer Options
The Recreation Fish and Wildlife Program now ladders into the Selkirk College Bachelor in Geographic Information Systems and counts as the first two years of this program.

Selkirk College also has transfer arrangements with the following institutions:
- University of Northern BC
- University of British Columbia
- Thompson Rivers University
- University of Alberta

Graduates of the RFW program are accredited by the North American Wildlife Technology Association. The accreditation allows a full two year block transfer into the Bachelor of Wildlife Conservation program at University of Prince Edward Island. Additionally, students wishing to pursue Conservation Officer training have successfully transferred credit to both Lethbridge College and Vancouver Island University.

Co-op Education

Environment and Geomatic students have the opportunity to enroll in Co-op Education. This program consists of four month work terms that allow students to access unique experiential learning. Co-op work terms are administrated as regular course work with both cost and reporting requirements. Benefits include maintenance of full time student status as well as access to employment and experience unavailable outside of the Co-op program. For more information contact the Co-op Education Office at (250) 365-1280.
CO-OP 170 / 270 / 370 WORK TERMS
These courses provide the practical application of academic studies. Students spend work terms at an employer site. A report covering each work term is required.

15 CREDIT-HOURS / WORK TERM.
Co-op Education is a process of education that formally integrates student’s academic study with periods of related work experience in cooperating employer organizations. Selkirk College’s Co-op Education programs are designed within guidelines established by the Canadian Association for Cooperative Education (CAFCE) and in consultation with federal and provincial government agencies.

CO-OP EDUCATION WORK-STUDY SEQUENCE:

<table>
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<tr>
<th>Sept-Dec</th>
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<td>Co-op Ed Work Term</td>
</tr>
<tr>
<td>Term 1</td>
<td>Term 2</td>
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</tr>
</tbody>
</table>

For more information please contact:

BRENDA SMITH
Selkirk College
301 Frank Beinder Way
Castlegar, BC, V1N 4L3
Tel: 250.365.1280
Fax: 250.365.1218

Program Courses

ENVR 150 - HYDROLOGY I
Hydrology I is an introductory study of water in our environment including its properties, the natural processes which affect it, and climate and weather. Students will gain practical experience in the collection and analysis of field and laboratory data using standard techniques and equipment.

ENVR 154 - MAPS AND NAVIGATION
Maps and Navigation focuses on the navigation skills required of technologists working outdoors – to locate oneself, stay ‘found’, and return safely from the field. The course includes hands-on use of navigation tools in field settings, including map, air photo, compass, altimeter, and Global Positioning Systems (GPS) techniques. Pre-trip planning in a navigation context will also be covered, including developing access plans and route plans, and estimating travel times.

ENVR 158 - INTRODUCTION TO GEOMATICS
Introduction to Geomatics is an introduction to applied mapping and geographic information systems (GIS) theory and applications. The first half of the course will be focused on introducing basic uses of remotely sensed imagery. Several applied mapping technologies will be explored, including Google Earth and Internet Mapping websites. The second half of the semester will be focused on learning basic GIS concepts and applying GIS technologies to environmental, renewable resource management, and planning fields. Emphasis will be placed on how geographic data is represented, collected, managed, analyzed, and displayed using GIS tools. Hands-on experience will be developed with the most widely used and comprehensive desktop GIS software, ESRI’s ArcGIS Desktop.

ENVR 160 - SURVEYING & FIELD MEASUREMENTS
Surveying & Field Measurements is an introduction to the practical use of common survey instruments and techniques used by environmental technicians. As well, the course will introduce the student to various sampling methods used to collect, assess, classify, and evaluate field data. Emphasis is placed on the proper care and use of basic surveying and measurement tools and the skills involved in collecting and interpreting precise and accurate field data.

ENVR 162 - APPLIED BOTANY AND ECOSYSTEM CLASSIFICATION
This course is an introduction to the principles of Botany and Ecosystem Classification. Botany lectures will focus on plant classification, botanical terms, plant morphology, and plant physiology. Topics include: plant cell structure, plant tissue function and structure, photosynthesis and respiration, transpiration and translocation. Botany labs will focus on learning to identify about 100 native plants commonly found in the West Kootenay Region of B.C., specifically key indicator species. Ecology labs will focus on ecosystem classification using the Biogeoclimatic Ecosystem Classification System (BEC) of B.C. Other key topics include the study of climatic factors, disturbance and succession, landscapes and stand structure. Ecology labs focus on classifying ecosystems (including soils, site and vegetation) to site series using BEC. Labs are mainly field based.

ENVR 163 - TERRESTRIAL ECOLOGY AND BIOLOGY
This course builds upon the concepts from ENVR 162 with further studies of local forest ecosystems. Students will identify key forest structural components and study the role that disturbance (such as fire), environmental gradients, and competition play in defining a species’ niche. Participants will also examine the role of primary and secondary growth, nutrient uptake, reproduction, and survival mechanisms for plants. Winter plant identification, ecosystem form and function, and plant adaptations to timberline will also be examined. A practical field based assignment will form a major portion of the term assessment.

ENVR 164 - SOIL AND EARTH SCIENCES
This course will cover the identification of common rocks and minerals, landforms and soils of British Columbia. Learners will be introduced to the study of physical geology and geomorphology in relation to management of the forest environment and landscape. Learners will gain skills and knowledge in rock and mineral identification, description of the physical and chemical qualities of soils, and identification and classification of landforms and terrain. Skills will also be developed with respect to interpretation of geology, landforms and soils for environmental management.

ENVR 170 - FISH AND WILDLIFE ECOLOGY
This course will cover identification and ecology of vertebrate animals, habitat requirements, and habitat disturbance implications. Learners will gain experience in applying guidelines and management strategies to minimize impact of other resource uses on fish and wildlife habitat and species.

ENVR 190 - COMPUTER APPLICATIONS I
This course builds on computer skills students have previously acquired. Applied intermediate to advanced computer applications specific to career opportunities in the environment and geomatics.

Application Information

STEPS TO APPLY
Fill out the general application form.

BEFORE YOU START
– Please make sure you meet all admission requirements, including the general admission requirements for the college and the specific admission requirements for your chosen program (these are listed in each program area).
– International Students (students who are applying to Selkirk College from locations outside of Canada) should follow the application steps required by Selkirk International.
sector are covered including file management, word processing for report writing, spreadsheets and an introduction to databases.

ENVR 250 - INDIGENOUS PEOPLES OF CANADA AND ENVIRONMENTAL MANAGEMENT
The main focus of this course is to enable students working in natural resource management to work effectively with Aboriginal peoples. To achieve this, students will develop a greater awareness of Aboriginal peoples and the cultural diversity that exists within this group of Canadians. The course will examine various topics related to Aboriginal cultures, languages and pre and post contact histories. The course will also examine current issues facing Aboriginal groups including legal issues, social conditions, treaty processes, consultation activities, capacity building and protection of traditional lands and rights. This course is offered in the School of Environment and Geomatics curriculum to both Forest Technology and Recreation, Fish and Wildlife Technology Programs. It is anticipated that material presented in ENVR 250 will be integrated throughout other courses in these two programs.

ENVR 290 - COMPUTER APPLICATIONS IN RESOURCE MANAGEMENT
For Recreation, Fish and Wildlife - Fall delivery: Land and Natural Resource Management in British Columbia is quite complex partly due to the need to understand and account for many different and often competing interests. The locations of where those interests are situated, and their relationship with and among each other adds greater complexity and necessitates the need to use software modeling systems like GIS. The content of ENVR 290 will address software used for data gathering, assembly, display and presentation of land and natural resource information. Performing advanced analysis and preparing high quality cartographic maps using ArcGIS software is one main focus, while the other main focus is on mobile data gathering using GIS applications.

For Forestry - Winter delivery: Resource Management in British Columbia has become more complex and so the need for clear presentation and communication of ideas, plans, and strategies is more important than ever before. The content of ENVR 290 will address software used for the collection, assembly, display and presentation of environmental content specifically related to Forestry. Performing field data collection for advanced analysis and preparing high quality cartographic maps using ArcGIS software will be our focus.

Pre-requisites: For Recreation, Fish and Wildlife - Successful completion of: ENVR 158, and ENVR 190. For Forestry - Successful completion of: ENVR 160, ENVR 154, ENVR 158, and ENVR 190.

MATH 160 - TECHNICAL MATH REVIEW
This is a mathematical review course for first-year students in the School of Environment and Geomatics (SEG) diploma programs. This course will provide a review of mathematical concepts which you will need for your other SEG courses. Materials to be covered include: unit conversions, trigonometry, exponentials and logarithms, problem solving, slope calculations, distance and direction calculations.

Pre-requisites: Acceptance to SEG Diploma programs.

MATH 190 - RESOURCE STATISTICS I
Math 190 is an introductory applied statistics course for environment and geomatics students. Topics include: types of data, descriptive statistics, probability and random variables, discrete probability distributions, continuous probability distributions, confidence intervals, sample size, and hypothesis testing.

Pre-requisites: MATH 160.

RFW 200 - FIELD TRIP STUDY
RFW 200: Field Trip Study is a course where second year Recreation, Fish and Wildlife students participate in field-based studies. Extended field trips provide students with opportunities to refine field technical skills within different settings. Students will be actively involved in the planning and preparation for these trips and will be presented with opportunities to develop team skills, leadership and professionalism throughout the course. Some of the data collected during this course may be used by students as part of the Applied Research Project course (RFW 271).

Pre-requisites: Successful completion of first year courses and spring field-school or approval from School Chair. Students must have either Level I Flatwater Canoe certification or a demonstrated competency in a canoe.

RFW 255 - SPRING FIELD SCHOOL
During a two-week course in the spring, students learn and apply field-related skills directly in activities related to the recreation, fish and wildlife fields. Activities may include electro-fishing, canoeing, navigation, habitat enhancement, wildlife survey, and trail work. Students who successfully complete electrofishing and canoeing will receive certification. The intention is to cover skills and learning objectives that do not fit well into a regular semester schedule, due to scheduling constraints. In addition, many of the activities are intended to prepare students for the Fall Field Study RFW 200), and for summer employment.

Pre-requisites: Admission to RFW program.

RFW 256 - BACKCOUNTRY RISK ANALYSIS AND MITIGATION I
In this course, students integrate the knowledge and skills acquired in other program courses to identify, analyze, and manage areas of public and occupational risk within backcountry workplaces. Human, terrestrial, aquatic, and environmental hazards and risk are explored including an examination of leadership and decision-making skills, natural hazard analysis, land-use planning, risk management and mitigation, advanced navigation techniques, backcountry rescue, meteorology, and field weather forecasting. This course is mainly taught in wilderness terrain. Students must be in good health and physical condition, as some instructional activities require participation for up to eight hours per day. Students must be able to hike, bicycle or snowshoe for four to eight hours at a time over rough, sometimes hazardous terrain in all weather conditions. In addition participants in this course must be able to swim at least one length of the pool.

Pre-requisites: RFW 255 Spring Field School and RFW 200 Field Trip Study.

RFW 257 - BACKCOUNTRY RISK ANALYSIS AND MITIGATION II
Backcountry Risk Analysis and Mitigation II extends the study of natural hazard assessment and land management to winter backcountry environments. The course is delivered as a project-based analysis of a local provincial park or recreation area, in which students learn winter skills and identify and analyze avalanche terrain and site-specific snowpack characteristics for the risk of human and structural exposure to snow avalanches. Topics include avalanche forecasting and public safety, land use planning, hazard mitigation, techniques in snowpack assessment and monitoring, avalanche rescue, and hazard mapping. Successful students receive a certificate in avalanche safety recognized by the Canadian Avalanche Centre. This course is taught in wilderness terrain. Participants must be in good health and physical condition. Activities will be taught that require participation for up to eight hours per day for up to three days in duration. Participants must be able to hike, ski or snowshoe for four to eight hours at a time over rough, sometimes hazardous terrain in all weather conditions.

Pre-requisites: RFW 256: Backcountry Risk Analysis and Mitigation I.

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RFW 262 - ECOSYSTEM-BASED MANAGEMENT
This course provides learning opportunities for students in ecosystem based management. In the course the student will continue in their learning of ecosystem structure and function at the stand and landscape scale, learn about forest ecosystem health including identification and biology of prominent forest insects and diseases, learn about watershed, wetland and riparian conservation and management, and learn about ecosystem restoration activities. The course will place an emphasis on observation using standard field books, data collection and data analysis using standard procedures, and preparation of prescriptions that implement an ecological approach to land management. The student will gain employable skills related to forest health identification, wildlife tree assessment, ecosystem interpretation, ecosystem restoration, and adaptive management.

Pre-requisites: Successful completion of all first year courses.

RFW 263 - OUTDOOR RECREATION OPERATIONS AND MANAGEMENT
Outdoor Recreation Operations and Management is designed to prepare the student for employment in the field of parks and outdoor recreation. The variety of employers offering outdoor recreation opportunities in B.C., and their roles in the province are examined. Practical field skills such as trail and campground design, construction, and maintenance as well as analytical skills such as monitoring and managing impacts, assessing public safety, developing site plans and incorporating multiple natural resource and social values in protected area management will be studied and practiced. Examples of real, contemporary recreational management issues are used to make the course current and relevant.

Pre-requisites: RFW 200 - Students who have not completed RFW 200 but wish to take this course must discuss this with the instructor.

RFW 265 - COMMERCIAL RECREATION MANAGEMENT
In Commercial Recreation Management, students will be exposed to the elements of commercial recreation operations from the proposal stage to the delivery stage including the nature and demand for outdoor commercial recreation activities including eco- and adventure-tourism. Particular attention is paid to the current policies, regulations and legislation governing commercial recreation in the province. Because contracts are an integral part of commercial recreation, the skills and knowledge related to contract management and developing and evaluating contract proposals will be developed in the second half of the course.

Pre-requisites: RFW 255 Spring Field School and RFW 200 Field Trip Study

RFW 271 - APPLIED RESEARCH PROJECT
Applied Research Project supports each student in completing an applied research project that has both a field-based data collection component, and a literature-based research component. Each student will select an approved research topic and complete a number of assignments, including writing a research proposal and producing final report. The research results and recommendations will be presented at the SEG student conference.

Pre-requisites: Successful completion of ENVR 170 (see School Policy)

RFW 272 - TECHNIQUES IN WILDLIFE MANAGEMENT I
This course prepares the student for immediate employment as a wildlife technician and park interpreter in British Columbia through instruction in wildlife management theory and the application of techniques used in wildlife management.

Pre-requisites: Successful completion of RFW 272 (see School Policy)

RFW 273 - TECHNIQUES IN WILDLIFE MANAGEMENT II
This course prepares the student for immediate employment as a wildlife technician and park interpreter in British Columbia through instruction in wildlife management theory and the application of techniques used in wildlife management.

Pre-requisites: Successful completion of RFW 272 (see School Policy)

RFW 280 - TECHNIQUES IN AQUATICS AND FISHERIES I
This course covers the ecology and management of freshwater fish and aquatic ecosystems, including standard field, laboratory, and office techniques used to sample in these ecosystems. The emphasis is on evaluating, assessing and managing freshwater ecosystems in B.C. The material in this course is continued in RFW 281.

Pre-requisites: Successful completion of ENVR 162, 164, 170 (See School Policy).

RFW 281 - TECHNIQUES IN AQUATICS AND FISHERIES II
This course covers the ecology and management of freshwater fish and aquatic ecosystems, including standard field, laboratory, and office techniques used to sample in these ecosystems. The emphasis is on evaluating, assessing and managing freshwater ecosystems in B.C. This material in this course is a continuation of the material in RFW 280.

Pre-requisites: Successful completion of ENVR 150, 162, 164, 170, 190, RFW 280 (See School Policy).

RFW 274 - APPLIED RESEARCH PROJECT
Applied Research Project supports each student in completing an applied research project that has both a field-based data collection component, and a literature-based research component. Each student will select an approved research topic and complete a number of assignments, including writing a research proposal and producing final report. The research results and recommendations will be presented at the SEG student conference.

Pre-requisites: Successful completion of ENVR 170 (see School Policy)

RFW 275 - TECHNIQUES IN WILDLIFE MANAGEMENT I
This course prepares the student for immediate employment as a wildlife technician and park interpreter in British Columbia through instruction in wildlife management theory and the application of techniques used in wildlife management.

Pre-requisites: Successful completion of RFW 272 (see School Policy)

RFW 276 - TECHNIQUES IN WILDLIFE MANAGEMENT II
This course prepares the student for immediate employment as a wildlife technician and park interpreter in British Columbia through instruction in wildlife management theory and the application of techniques used in wildlife management.

Pre-requisites: Successful completion of RFW 272 (see School Policy)

RFW 277 - APPLIED RESEARCH PROJECT
Applied Research Project supports each student in completing an applied research project that has both a field-based data collection component, and a literature-based research component. Each student will select an approved research topic and complete a number of assignments, including writing a research proposal and producing final report. The research results and recommendations will be presented at the SEG student conference.

Pre-requisites: Successful completion of ENVR 170 (see School Policy)

RFW 278 - TECHNIQUES IN AQUATICS AND FISHERIES I
This course covers the ecology and management of freshwater fish and aquatic ecosystems, including standard field, laboratory, and office techniques used to sample in these ecosystems. The emphasis is on evaluating, assessing and managing freshwater ecosystems in B.C. The material in this course is continued in RFW 281.

Pre-requisites: Successful completion of ENVR 162, 164, 170 (See School Policy).

RFW 279 - TECHNIQUES IN AQUATICS AND FISHERIES II
This course covers the ecology and management of freshwater fish and aquatic ecosystems, including standard field, laboratory, and office techniques used to sample in these ecosystems. The emphasis is on evaluating, assessing and managing freshwater ecosystems in B.C. This material in this course is a continuation of the material in RFW 280.

Pre-requisites: Successful completion of ENVR 150, 162, 164, 170, 190, RFW 280 (See School Policy).
Compressor and refrigeration system maintenance procedures to be in place to ensure safe refrigeration plant operation as well as ensuring compliance with the required Act, Regulations and Codes. The course material serves as an invaluable resource while working in the Refrigeration Plant Operator field. Students can register at any time for course. Tuition includes seven months of telephone tutorial plus printed materials. Students are required to purchase their textbooks. If necessary, a two month extension can be granted for an additional charge of $200.

Admission Requirements

- The Refrigeration Plant Operator Program intake is continuous.
- An introductory course is intended to prepare students to challenge the SOPEEC inter-provincial Refrigeration Operator Certificate of competency.
- Students should be employed in the industry or have access to a refrigeration plant for practical understanding.

Careers

The title "Power Engineer" is now the standardized Canadian designation for what used to be called a: Steam Engineer, Stationary Engineer, Operating Engineer, or Plant Operators. A Power Engineer is responsible for providing light, heat, climate control, and power in buildings, industrial processes and thermal electric generating stations. These technically skilled professionals are in steady demand in Canada and around the world.
### Program Summary

The Canadian tourism industry has generated approximately $90 billion in revenue annually and there is no sign of it slowing down. With the prediction of a substantial rise in employment opportunities, our Resort and Hotel Management (RHOST) program will set you up with the skills you need to launch a career in this dynamic industry.

**GLOBAL CAREERS**

Our program teaches you solid business practices, human resources, leadership and marketing skills that will help to launch your career in the growing global hospitality industry. You'll gain confidence to coordinate everything from small parties and sporting events, to signature black-tie galas. Learn with current industry technology and join the 95 per cent of our alumni working in the hospitality industry around the world.

**BC'S NUMBER ONE INDUSTRY**

The tourism sector may soon become the number one industry in BC; it already offers the most employment opportunities. There are currently approximately 115,000 direct tourism jobs in BC. This two-year program is designed to prepare graduates for careers in tourism focusing primarily on resorts, hotels and restaurants but including all areas of hospitality.

**PROGRAM OVERVIEW**

Studies begin with an understanding of where tourism originates and encompass the supervision of hospitality facilities. Knowledge, skills and practices pertaining to the industry, such as the reception of guests, food and beverage services, recreation and convention planning, accounting, maintenance, supervisory and overall management techniques are topics covered. Communications and human relations are emphasized.

The objective of the program, through classroom instruction, practical lab training and work experience, is to enable students to develop the abilities, skills and attitudes to analyze situations objectively and to then make effective management decisions.

### Year 1

#### Semester 1

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
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<tr>
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<tr>
<td>RHOST 171</td>
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#### Semester 4

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<th>Course</th>
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<td>Management Communications</td>
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<td>RHOST 282</td>
<td>Dining Room and Event Management</td>
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#### Semester 5

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**Total 16**
The guiding principle of the Resort and Hotel Management program is student centered involvement through both classroom and project based learning. During the school year our students are involved in organizing and supporting Selkirk College as a host institution for special events and conferences. Students participate in a professional internship program consisting of five months in the summer and fall between the first and second year of the program.

Learn more about Scholar's Dining Room: A seasonal, open-to-the-public restaurant, managed by Hospitality & Tourism Program students.

**BECOME PROFICIENT IN**
- Tourism Management
- Organizational leadership
- Business communications
- Hotel and resort management
- Food and beverage management
- Event planning

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**Admission Requirements**
- Grade 12 completion with a "C" or better in English 12 or equivalent.
- Submission of a résumé and an official high school transcript.
- Completion of a personal interview. Where circumstances make a personal interview impractical, a telephone interview may be conducted. Note: Interview results are not used as criteria for admissions.
- All applicants must complete pre-admission assessment of language and mathematics skills unless specifically exempted. This assessment does not affect admissibility to a program, but is only for purposes of providing advisory information to applicants about their levels of academic skills in relation to the demands of the program to which they are applying. The results are intended to help applicants in their course planning; to allow them to make informed decisions regarding their readiness for enrolment; to improve student success in our courses and/ or programs, and to reduce attrition due to lack of adequate skills. Registration will not be deemed to be complete until such assessment has been done. Exemptions will be granted to students who have already completed relevant post-secondary courses in mathematics and/or English. To obtain an exemption, please provide an appropriate transcript to the Admissions Office.
- It is strongly recommended that students have keyboarding skills and an understanding of Windows before starting the program.
- Additional expenses and travel are a requirement of this program and are the responsibility of the student. Approximately $500 should be budgeted to cover these expenses.

**PRIOR LEARNING ASSESSMENT**
Selkirk College recognizes experience and expertise gained by students prior to entry into College programs. Through a prior learning assessment (PLAR) process, a student may receive course credits for knowledge and experience acquired in the workplace. Through an interview and documentation process including the student, a PLAR advisor, and the instructor, the student's experience is evaluated in relation to the course requirements. Through PLAR a student may receive credit for one or more courses in a given program.

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**Careers**
Selkirk graduates are equipped to move into supervisory positions in a wide range of planning and supervisory capacities across the entire spectrum of the resort and hotel industry.

**FUTURE CAREER OPTIONS**
- Resort and hotel supervisory positions (customer service, human resources, marketing, etc.)
- Food and beverage supervisors in establishments of all sizes and settings
- Tour sales, planning, and coordination
- Tourism positions with organizations from local chambers of commerce to provincial ministries
- Conventions, event planning, consulting, packaging and programming, sales and coordination

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**Program Courses**
**RHOT 150 - INTRODUCTION TO TOURISM**
This course provides an overview of the tourism industry, examining the interrelationships between the eight sectors, and the economic, environmental, cultural, and social impact of tourism. Topics include the following: sectors of the tourism industry; size, scope, and infrastructure; definitions and conceptual models, trends, and current issues, travel motivators, career opportunities, ethical issues, tourism as a community-based industry, the geography of tourism in BC and Canada, and the role of tourism organizations.

**RHOT 152 - SUPERVisory HOUSEKEEPING AND MAINTENANCE**
This course provides an overview of the fundamentals of housekeeping and maintenance management in a hotel and resort setting. Areas discussed include: the role of the executive housekeeper, maintenance manager, labour cost control, scheduling, budgeting, cleaning procedures, material planning, and laundry operations. You will discuss energy saving trends and the environmental stewardship of hotels and resorts.

**RHOT 153 - ORGANIZATIONAL LEADERSHIP**
This course focuses on how individuals function effectively in organisations by examining behaviour from individual, small group, inter-group and organisational perspectives. A participatory model using experiential exercises illustrates how groups help or hinder the organisation. Topics include: communication models, strategies for effective leadership, leadership styles, motivational techniques, group dynamics and behaviour, stress management, delegation, organisational structure and change, and values and attitudes. Students learn how to become effective members of groups by working together towards common goals.

**RHOT 155 - COMPUTER APPLICATIONS**
This course will provide the student with a general introduction to computers and Microsoft application software. Setting up and using e-mail and Moodle is emphasized, as assignments will be submitted to the instructor via this venue. The student will also explore and utilize the web and/or online libraries, searching for information for class assignments. In the second segment, the student will assimilate the basics of Microsoft Word 2010 with regards to correct formats for posters/announcements, résumés, research papers, envelopes, letters, tables and newsletters including all page and print enhancements. Form letters, mailing labels and directories are also covered using the Mail Merge function. The third section will cover the basics of Microsoft Excel 2010, using a number of commands to enhance a worksheet, chart sheets, templates and graphs. Page and print enhancements will also be utilized. The final section covers the integration of Word 2010 and Excel 2010.

**RHOT 159 - BUSINESS COMMUNICATIONS**
This course deals with both written and oral communication skills. Topics include writing formal reports and other business correspondence, making effective presentations, résumé preparation and research techniques.
RHOST 161 - ACCOMMODATION MANAGEMENT
This course is intended to introduce the learner to the general principles of managing the accommodation facility of a hotel or resort. The complete guest cycle is covered beginning with the reservation request through to the final accounting documentation. Other topics include different types of lodging, current trends in guest services, competitive tactics that hotels and resorts use in their services and amenities, the important features of condominium and timeshare operations, security and safety issues relevant to areas of the lodging industry and contingencies and plans for emergencies.

RHOST 162 - SUPERVISORY FOOD AND BEVERAGE SERVICE
The food and beverage department plays an important role in the overall success of the operation at a resort or hotel. The purpose of this course is to introduce the fundamentals of food and beverage service and the impact it has on the success of the restaurant. The course will deal with the elements of service through theoretical discussion and hands on practical service through Scholars Dining Room. The course will cover the theoretical components of customer service, restaurant sanitation, types of menus, menu terminology, types of food service, service of wine, suggestive selling, establishing and evaluating service standards, communications and handling the service with a computer system. The practical component will involve hands-on training through serving either in the College’s Scholars Dining Room and/or at a college catered event.

RHOST 163 - MIXOLOGY AND OENOLOGY
The purpose of this course is to introduce the learner to the fundamental beverage knowledge required to manage a resort/hotel beverage operation. The course is clearly broken into theoretical and practical segments. From a theoretical point of view, the learner will become familiar with important government regulations and the liabilities that influence a beverage operation. The “Serving It Right” Program, a provincial requirement for anyone serving alcoholic beverages in BC will be covered thoroughly. The course will examine the methods of production of different spirits, beers and wine. A significant portion of the course will be spent on wine appreciation. Classroom discussion will cover grape varietals, VQA standards & certification, wine production and wine tasting arrangements. Wine and food pairing will also be covered with a general overview of classical cooking terminology. From a practical point of view, the course will provide the learner with the controlled formal practice time necessary to learn the full range of mixology methods – stirring, building, shaking, and blending.

RHOST 164 - FOOD AND BEVERAGE COST CONTROLS
Food and Beverage control is critical to the financial well-being of any food operation. “Control” is used in the context of managing an information system – not the manipulation and suppression of people. Fundamentals of internal controls and information systems for food and beverage operations will be covered. The course covers techniques of effective purchasing, receiving and production; sales control and food and beverage cost calculations. Labour cost control methods are explained and discussed.

RHOST 171 - WORK TERM
This full-time paid work experience (May through September) is monitored by the College and evaluation is completed by the employer and program instructors. Experiential learning is effective because it provides students with opportunities to acquire supervisory skills and competencies that are applicable to their future careers. This approach recognizes that a supervisor requires significant practice of the principles and skills learned during study and looks to the hospitality and tourism industry to provide an environment in which this practice can take place.

This work term gives students an opportunity to apply and extend academic knowledge while employed with qualified hospitality and tourism employers throughout B.C., Canada and the world.

Pre-requisites: Successful completion of all courses in the first year of the RHOT program with a “C” or better.

RHOST 172 - KITCHEN MANAGEMENT/FOOD PREPARATION
In this course students will study and practice the fundamental skills necessary to function competently in a kitchen. Via practical hands on experience this course will provide students with a glimpse of the day in the life of a chef and the culinary world. Professionalism, teamwork, proper safety and sanitation procedures are all a part of any well run kitchen and will be emphasized in this course. This hands-on course covers aspects of food preparation and safety considerations. During the course the students prepare lunch in the college cafeteria, learn how to create “eye appeal” in food preparation, understand timing and prepare food for an evening event.

RHOST 175 - HOSPITALITY COMPUTER APPLICATIONS
Hospitality Computer Applications students will explore the information needs of lodging properties and food service establishments. Through hands-on experience, students are given the opportunity to learn a food and beverage computer system and a front office computer system.

RHOST 180 - FIELD TRIP
This course is a five day credit bearing field trip to visit hotels, resorts and restaurants. Although locations change from year to year, they typically include resort areas throughout Western Canada. This trip provides an excellent opportunity for students to examine established lodging and food and beverage facilities, and meet with hospitality industry personnel from general managers to front line staff.

RHOST 250 - MARKETING
The roles and functions of marketing in the tourism industry are examined. The principles of customer service excellence and service recovery are discussed in detail. You are lead through the five steps of the Marketing Planning Process discovering how the “12 Ps” are used in the marketing of tourism products and services. You will conduct a case study analysis of an existing company to demonstrate knowledge of marketing concepts studied.

RHOST 254 - HUMAN RESOURCE MANAGEMENT
Hospitality Human Resources Management has a profound effect on the success of tourism operations. An understanding of fundamental human resources theory and practices is necessary in the service sector where the link between the tourism operation and the guest is so critical. Innovative approaches to human resources management are necessary to recruit and retain the right people in the industry. This course focuses on the critical issues that concern managers in the tourism industry, employee relations, recruiting and selection, challenges and trends and employment standards.

RHOST 259 - MANAGEMENT COMMUNICATIONS
Learning to communicate effectively involves knowledge and practice at a number of levels. In addition to theories about intrapersonal, interpersonal, group dynamics, and cross cultural communication, this course builds on a variety of practical business communication topics that are useful to managers in the hospitality and tourism industries. Selected topics and case studies assist students in developing the skills necessary for successful communications. The cross cultural communications component of the course is designed to prepare students for the challenge of living and working in an increasingly diverse society. Students will study both theoretical and practical aspects of communicating with people from other cultures. Examination and understanding of other cultures, including language, values and stereotyping, are emphasized in addition to a focus on the wide range of situations in which students may find themselves.
dealing with cross-cultural issues, particularly when conflict or misunderstanding occurs.

**RHOT 265 - FOOD SERVICE MANAGEMENT**
The Food and Beverage Department, be it a hotel or resort, is a high profile department and can be a substantial profit centre. It is one thing to understand that you must control a Food and Beverage operation, but it is another to understand how, when and why you must do it. The purpose of this course is to show how you can manage the department to provide desired levels of profitability and customer satisfaction. Through lectures and hands on operations exercises you will study food and beverage operations and learn how to analyze and implement changes that will affect the success of the food service department.

**RHOT 266 - BUDGETING & ENTREPRENEURIAL TRAINING**
The principles and practices of developing a successful tourism or hospitality business are undertaken. Course work includes analysis, creating a vision, goals, financial and business plans, advertising and marketing applications, and research methods and techniques.

**RHOT 269 - ACCOUNTING**
This is an introductory course in accounting, from the basic accounting equation to preparation of the Income Statement, Statement of Changes in Owner's Equity, and Balance Sheet. This course covers merchandise operations, service business accounting, depreciation, adjusting entries, as well as specialized journals.

**RHOT 270 - CONVENTION, SALES AND CATERING SERVICES**
The amount of special event, convention and meeting business that exists today is a large part of the tourism and hospitality industry. This course provides insight into the scope and various segments and shows the relationship between professional service and operational success. You will learn how to sell and service the convention/banquet business to ensure successful events/special events.

**RHOT 272 - HOSPITALITY LAW**
This course outlines Canadian Law applicable to the hospitality industry, identifies areas where there may be potential legal problems, and discusses rights and liabilities relative to relationships within the hospitality industry. Topics include constitutional law, the common law of contract, definition of hotels and related establishments, safety of guests and torts, care of guests' property, sale of food and alcohol, insurance, hotel keeper's compensation.

**RHOT 273 - TOURISM AND THE CANADIAN ECONOMY**
An introduction to basic micro and macro economics with applications to tourism and the Canadian economy. Topics include the operation of markets, costs of production, types of markets, inflation, growth, unemployment and exchange rates.

**RHOT 280 - FIELD TRIP**
This course is a five day (30 hour) credit bearing field trip to visit wineries, restaurants, resorts and hotels in the Okanagan Valley of British Columbia. This course will enable students to experience some of the theory of oenology studied during the first year of studies in addition to seeing the economic impact of wine tourism first hand. This trip also provides an excellent opportunity for students to examine other hospitality sectors impacted by the growth of the wine industry such as, lodging, food and beverage facilities. Students will meet with hospitality industry personnel from general managers to front line staff.

**RHOT 282 - DINING ROOM AND EVENT MANAGEMENT**
This hands-on course takes you from a basic understanding of the principles of food production and service to the practical skills and knowledge for the effective management of food and beverage service outlets. Emphasis is on training skills and human interaction techniques, as well as quality control, financial controls and customer relations. You are actively involved in the menu planning (both food and wine) for our dining room and special event functions. This includes the staffing, management and marketing of the food and beverage operation.

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**Contacts**

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Email: wanderson@selkirk.ca

**BOB FALLE**
School Chair
Phone: 250.352.6601 ext 11317
Direct: 250.505.1317
Email: bfalle@selkirk.ca
Rural Pre-Medicine

Program Summary

Our health care system needs doctors who want to practice in a rural setting and medical schools are looking for students with rural backgrounds. In Selkirk College’s Rural Pre-Medicine Program, you will experience what it means to be a rural health care provider.

A UNIQUE TAILOR-MADE RURAL PROGRAM

Join us in studying courses tailored to rural medicine recommended for the Medical College Admission Test. Making our program unique is extra training in skills such as conflict resolution, small business training and MCAT preparation that will strengthen your medical school applications and support your future as a medical professional. By enriching your learning with additional courses, you will also gain knowledge and personal resilience that will contribute to your abilities.

RPM prepares you for further education in a variety of health-care professions such as pharmacy, medicine, dentistry, optometry and veterinary medicine.

Admission Requirements

PREREQUISITES

Applicants may apply while they are completing prerequisite courses. However, applicants must have graduated from secondary school (or equivalent) and completed the following courses from the BC Provincial Curriculum (or their equivalents) before starting the program:

- English 12 or English 12 First Peoples or IELTS 6.5
- Principles of Mathematics 12 or Pre-calculus 12
- Two other approved Grade 12 courses, one of which must be: Biology 12, Chemistry 12, Geography 12, Geology 12, or Physics 12
- Biology 12 and Chemistry 12 are strongly recommended
- Chemistry 11
- Physics 11 (minimum 60%)
Unless otherwise stated a minimum of 67½% is required in all prerequisite courses.

Candidates who do not have all of the program pre-requisites, but who believe they may have relevant background should contact the School Chair to determine whether they may qualify for entry and/or advanced standing.

APPLICATION
To be considered for the first round of admittance to the Rural Pre-Medicine program, a student must have fully completed and submitted all required documentation by the closing date of the application period.

You can find all the information for the admissions process on our Application Information page.

If you have any questions about the admissions process, please contact Jonathan Vanderhoek, Chair of the RPM Admissions Committee.

COMPETITIVE ENTRY
Admission to the Rural Pre-Medicine Program is competitive. A student meeting all the admissions requirements will be included in the pool of qualified applicants, but only a limited number of such qualified applicants will be admitted into the program. The applicants will be ranked using a metric which incorporates information about academic and personal background gathered from the application package.

The Rural Pre-Medicine program uses a continuous intake model. This means that outstanding individuals who submit their applications before the final deadline will be offered seats in the program early. It is to your advantage to apply well before the final deadline! Although seats are initially filled based on complete applications received by March 31, occasionally seats become available after that date. An application received after March 31 will be reviewed, and qualified applicants may be placed on a wait list.

Applicants will be offered seats in the current intake of the program according to their ranking. Written offers will be made to the contact information provided by the applicant on their application and verified by admissions when the application package is sent out to the applicant. A seat offer must be accepted and payment of seat deposit must be made by the offer-acceptance deadline or the offer will be declined and the seat will be offered to another student.

Any applicant who is not admitted or does not take a seat in a given year must reapply if he or she wants to be considered in a subsequent year.

ADVANCE CREDIT
Applicants with previous related work experience or documented formal learning may be eligible for advance credit. For more information contact the School Chair.

APPLICATION INFORMATION
For admissions or application questions, contact Jonathan Vanderhoek, Chair of the RPM Admissions Committee.

The Rural Pre-Medicine program uses a continuous intake model. This means that outstanding individuals who submit their applications before the final deadline will be offered seats in the program early. It is to your advantage to apply well before the final deadline! Although seats are initially filled based on complete applications received by March 31, occasionally seats become available after that date. An application received after March 31 will be reviewed, and qualified applicants may be placed on a wait list.

Admission to the Rural Pre-Medicine program is competitive. A student meeting all the admission requirements will be included in the pool of qualified applicants, but only a limited number of such qualified applicants will be admitted into the program.

STEP ONE: APPLY TO SELKIRK COLLEGE
- Review the program admissions requirements.
- Apply to Rural Pre-Medicine at Apply BC. Hint: You will find us under "Unique at Selkirk" on the Apply BC site. This is the beginning of your formal application to Selkirk College and must be completed. You will receive a confirmation email from Selkirk College Admissions once this step has been completed.

STEP TWO: COMPLETE THE RPM DOCUMENTATION
- Within a few days of applying to the program you will receive an email from Selkirk Admissions containing all of our application documents. Complete them and submit them to RPM Admissions. If you have any questions, contact RPM Admissions.
- If you wish to start with the documentation right away, you can download the first form; the Rural Pre-Medicine Application Package.

STEP THREE: YOU WILL HEAR FROM US
- Remain in contact with Selkirk to communicate any changes in your contact information.
- Your completed application documents will be reviewed by the Admissions Committee. Outstanding applicants may be accepted into

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### Year 3

#### SEMESTER 5

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<thead>
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<th>Course</th>
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<tr>
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<td>Addictions Theory and Practice</td>
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</tr>
<tr>
<td>BIOL 164</td>
<td>Human Anatomy and Physiology I</td>
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</tr>
<tr>
<td>BIOC 302</td>
<td>General Biochemistry</td>
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<td>PHIL 210</td>
<td>Biomedical Ethics</td>
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<td>PSYC 202</td>
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<td>RPM 320</td>
<td>Rural Health Issues V</td>
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#### SEMESTER 6

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<td>On Campus 3</td>
</tr>
<tr>
<td>BIOL 165</td>
<td>Human Anatomy and Physiology II</td>
<td>On Campus 4</td>
</tr>
<tr>
<td>INDG 302</td>
<td>Indigenous Health and Healing</td>
<td>On Campus 3</td>
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<td>RPM 321</td>
<td>Rural Health Research Project</td>
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<tr>
<td>UAS ELEC II</td>
<td>General UAS Elective</td>
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</table>

**Total 16**

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**RURAL PRE-MEDICINE**

[selkirk.ca/programs](http://selkirk.ca/programs)
There will be a 48 hour turnaround time for you to accept the offer by paying your seat deposit.

– If you are offered a seat in the Rural Pre-Medicine program you will be required to confirm acceptance of this offer by paying your seat deposit.

– There will be a 48 hour turnaround time for you to complete this step.

Program Courses

ADD 384 - ADDICTIONS THEORY AND PRACTICE
ADD 384: Addictions Theory and Practice is designed to provide students with an overview of current and emerging research/expertise in the field. The course will cover diverse definitions and understandings of addiction, as informed by current findings in the fields of neuroscience and social science. Pharmacology basics and the biological, psychological, social, spiritual and environmental dimensions of addiction will be reviewed from a number of perspectives. Current research on attachment, trauma and brain development will be examined in relation to addiction from both developmental and environmental perspectives. A critical examination of the link between policy and practice provides context for the emergence of recovery strategies such as harm reduction and motivational techniques. Special attention will be given to the role of colonization and stigma as it is experienced through ethnicity, gender and culture, and the important role of advocacy in this context. Transfer Credit: This course is included in the block transfer agreement between Royal Roads University and Selkirk College which allows Selkirk ADRPM students entry into 4th year RR BSc Degree. Pre-requisites: Third year standing in Advanced Diploma in Rural Pre-Medicine (ADRPM).

ANTH 201 - ETHNIC RELATIONS
An introduction to the comparative study of “race” and ethnic relations from local to international contexts. The course explores social stratification according to race and ethnicity and looks at the motivations and consequences of such classifications and their relationships to other forms of stratification. Pre-requisites: ANTH 100 or ANTH 101 recommended; ENGL 12 or equivalent with a grade of “C” or better.

BIOL 302 - GENERAL BIOCHEMISTRY
BIOC 302: General Biochemistry builds on principles of biochemistry explored in BIOL 206. The biosynthesis of lipids, amino acids and nucleotides will be discussed. DNA, RNA and protein metabolic pathways will be explored, along with regulatory mechanisms. The laboratory component uses techniques introduced in BIOL 206 to study the fundamental components of cellular function. Transfer Details: This course is included in the block transfer agreement between Royal Roads University and Selkirk College which allows Selkirk ADRPM students entry into the 4th year of the Royal Roads BSc Degree. Pre-requisites: BIOL 204, BIOL 206, CHEM 212 and CHEM 213 with a grade of “C” or better.

BIOL 104 - BIOLOGY I
A course designed for those students who require first year biology in their program of study or who wish to go on to further study in biology. The course includes cell biology, biochemistry, and an examination of the processes of life in the plant and animal body. A strong emphasis is placed on the development of critical thinking skills through problem solving, research design, and laboratory analysis. Pre-requisites: BIOL 12 or equivalent and CHEM 11 or equivalent. Students lacking the stated prerequisites may enroll in the course with written permission of the School Chair; however, they should be aware that they will be required to do additional work. This course is available via Distance Education, but requires attendance at weekly on-site labs.

BIOL 106 - BIOLOGY II
Along with BIOL 104 (Biology I), this course provides an overview of the study of living things. Biology 106 presents topics in population, community and ecosystem ecology, and classical and molecular genetics. Evolution provides a unifying theme for the course. A strong emphasis is placed on the development of critical thinking skills through problem solving, case studies and laboratory investigation. Pre-requisites: BIOL 104 with a grade of “C” or better or written permission of the Instructor and School Chair.

BIOL 164 - HUMAN ANATOMY AND PHYSIOLOGY I
This course provides an integrative approach to the normal structure and function of the human body. Repair and replication, structural support, nervous integration, movement and metabolism are examined at the cellular, tissue and system levels. Recent scientific discoveries are presented as a means of relating the systems studied to various applied disciplines including health care and Kinesiology. Pre-requisites: BIOL 12, CHEM 12, and one of BIOL 11, CHEM 12, or PHYS 12 (BIOL 11 recommended) with a grade of “C” or better.

BIOL 165 - HUMAN ANATOMY AND PHYSIOLOGY II
A continuation of Biology 164, this course covers the cardiovascular, respiratory, lymphatic, urinary and digestive systems. Endocrinology is discussed throughout as a means of integrating the various systems to the function of the body as a whole. The focus remains on application of knowledge gained in this course. Pre-requisites: BIOL 164 with a “C” or better or written permission of the Instructor and School Chair.

BIOL 204 - CELL BIOLOGY
This course provides the student with a thorough knowledge of cell structure and function. Topics covered include biomolecules, membranes, organelles, cell movement, cell signaling, gene regulation, and transcription and translation. Experimental techniques used in modern cellular and molecular biology are also introduced. Pre-requisites: BIOL 104 and 106 with a grade of “C” or better, or written permission of the Instructor and School Chair.

BIOL 206 - INTRODUCTORY BIOCHEMISTRY
This course provides an introduction to biochemistry including protein structure and function, and representative catabolic and anabolic pathways. Topics covered include water, enzyme kinetics and enzyme structure and function. Experimental techniques used in biochemistry and molecular biology are also introduced.
CHEM 122 - GENERAL CHEMISTRY I
CHEM 122: General Chemistry I is an introductory general chemistry course leading into science or engineering programs for students who have a solid chemistry background, including Chemistry 12 or equivalent. After a short review of fundamental chemistry, classical and quantum mechanical concepts are used to discuss atomic and molecular structure. The course ends with an investigation of intermolecular forces in liquids and solids. The lab work studies scientific observations and measurements using chemical syntheses and quantitative analyses.

Pre-requisites: CHEM 12 or CHEM 62/63 or CHEM 110, and Pre-calculus Math 11 (Principles of MATH 11) or Math 090 or Math 52/53, each with a "C" or better. Pre-calculus Math 12 (Principles of Math 12) or Math 051 or Math 62/63 is recommended.

CHEM 125 - FOUNDATIONS OF CHEMISTRY II
CHEM 125: Fundamentals of Chemistry II is the continuation for either CHEM 110 or CHEM 122. The course consists of two major units: physical chemistry and organic chemistry. The study of physical chemistry begins with an investigation of reaction rates (kinetics), followed by the principles of equilibria applied to pure substances and aqueous solutions, and an introduction to the laws of thermodynamics. The second major unit is a survey of the field of organic chemistry; topics include the physical and chemical properties of alkanes and alkenes, stereochemistry, and addition, substitution, and elimination reactions. The laboratory work involves the measurement of physical and chemical properties as well as chemical syntheses.

Pre-requisites: CHEM 110 or CHEM 122 with a grade of "C" or better, or written permission of the Instructor and School Chair.

CHEM 212 - ORGANIC CHEMISTRY I
CHEM 212: Organic Chemistry I explores the relationship between the structures of carbon-containing molecules and their physical and chemical properties. Some topics from first-year general chemistry are reviewed briefly: alkanes, stereochemistry, alkenes, and nucleophilic substitution and elimination reactions of alkyl halides. The correlation between structure and acidity is investigated, and the chemistry of alkenes and alcohols is examined. Structure-determination techniques, including IR and NMR, are explored. The laboratory work for this course provides practical experiences with separation/purification techniques, molecular synthesis, and qualitative analytical methods applied to organic compounds.

Pre-requisites: CHEM 125 with a grade of "C" or better, or written permission of the Instructor and School Chair.

CHEM 213 - ORGANIC CHEMISTRY II
CHEM 213: Organic Chemistry II is a continuation of CHEM 212. The survey of organic families is continued with a study of aldehydes and ketones, carboxylic acid derivatives, aromatics and amines. The chemistry of a variety of compounds of biological interest is also discussed. The laboratory work involves synthesis and organic structure determination.

Pre-requisites: CHEM 212 with a grade of "C" or better, or written permission of the Instructor and School Chair.

CHEM 225 - PHYSICAL CHEMISTRY FOR BIO SCIENCES
CHEM 225: Physical Chemistry for Biosciences presents the basic concepts of chemical thermodynamics and kinetics that apply to biological systems. Students will explore why gases would behave differently at different conditions (e.g., deep sea diving, high altitude, other planets), how ideal engines function, why some reactions spontaneous, how do we explain the effect of salting roads in winter, how batteries and our metabolism generate energy, how kinetics is related to thermodynamics (why diamonds do not break down into graphene) and how we use of spectroscopy to explore biological structures. In the laboratory, quantitative properties of systems are measured, to illustrate the theory discussed in lectures.

Pre-requisites: CHEM 125 and MATH 100 with a grade of "C" or better, or written permission of the instructor and School Chair.

ENGL 110 - COLLEGE COMPOSITION
English 110 is about thinking and writing. You will learn how to develop and express informed opinions on issues that matter. You will also learn about research, editing, and expository and persuasive academic writing forms.

Pre-requisites: A "C" or better in ENGL 12 or equivalent or LPI level 4 or written permission of the Instructor and School Chair.

ENGL 111 - INTRODUCTION TO LITERATURE
English 111 is about living more intensely. Rather than providing answers, literature prompts us to ask better questions of ourselves and each other. Drama, poetry, short stories, and novels will guide us in discussion, reflection, and writing about literature. Note: English 112/114 is intended for students interested in a literary focus.

Pre-requisites: ENGL 110 with a grade of "C" or better or equivalent, or written permission of the Instructor and School Chair.

INDG 302 - INDIGENOUS HEALTH AND HEALING
INDG 302: Indigenous Health and Healing introduces the topic of Aboriginal health and healing from the time prior to first contact with European newcomers through to the present. Aboriginal health and healing is explored from within a variety of Aboriginal perspectives that are inclusive of the physical, mental, emotional and spiritual aspects of health and wellbeing. There is a focus on cultural awareness and critical thinking on current Aboriginal health & healing issues. Skill based training in cultural safety and anti-racism based on the recommendations and information provided by the Truth and Reconciliation Commission results and the “Calls to Action” are emphasized. Aboriginal worldviews and “ways of knowing” are embedded in the course delivery as well as course content. Transfer Details: UNBC FNST 302. This course is included in the block transfer agreement between Royal Roads University and Selkirk College which allows Selkirk ADRPM students entry into fourth-year RR BSc Degree.

Pre-requisites: ENGL 110, third-year standing in Advanced Diploma in Rural Pre-Medicine (ADRP), or third-year standing in Bachelor of Science in Nursing (BSN), or permission of the instructor.

MATH 100 - CALCULUS I
A course designed to provide students with the background in calculus needed for further studies. This course includes: a review of functions and graphs; limits; the derivative of algebraic, trigonometric, exponential and logarithmic functions; applications of the derivative including related rates, maxima, minima, velocity and acceleration; the definite integral; an introduction to elementary
differential equations; and, applications of integration including velocity, acceleration, areas, and growth and decay problems.

Pre-requisites: Pre-calculus 12, Principles of MATH 12 or equivalent with a grade of "C+" or better or written permission of the Instructor and School Chair.

MATH 101 - CALCULUS II
This course is a sequel to MATH 100 for those students who wish to major in mathematics, sciences or applied sciences. The course includes: antidifferentiation and integration; the definite integral; areas and volumes; transcendental functions; techniques of integration; parametric equations; polar coordinates; indeterminate forms, improper integrals and Taylor's formula; and infinite series.

Pre-requisites: MATH 100 or equivalent with a grade of "C" or better or written permission of the instructor and School Chair.

PHIL 210 - BIOMEDICAL ETHICS
PHIL 210: Biomedical Ethics explores moral questions that arise in the context of healthcare. Students will engage with these questions by learning ethical theory and by studying challenging cases. They will outline the relevant features of real life examples, weigh moral considerations, and practice articulating recommendations about what to do. The course covers biomedical topics such as autonomy, informed consent, surrogate decision making, traumatic brain injury, refusing care, medical assistance in dying, assisted reproduction, abortion, public health, organ donation, genetic screening and therapy, research and experimentation, rural medicine, and global health intervention. While this course is geared primarily to Rural Pre-Medicine students, it may be of interest to anyone concerned with medical ethics and healthcare.

Pre-requisites: English 12 with a grade of "C" or better or written permission of the instructor and School Chair.

PSYC 100 - INTRODUCTORY PSYCHOLOGY I
An introduction to the methods, theory and practice of psychology as a science. Among others, topics will include motivation and emotion, learning and memory, biological foundations, sensation and perception. Other topics are added at the discretion of the individual instructor. Class demonstrations and activities are used to illustrate concepts. Teaching methods and resources in the course vary with the instructor.

Pre-requisites: ENGL 12 or equivalent with a grade of "C" or better or written permission of the Instructor and School Chair.

PSYC 101 - INTRODUCTORY PSYCHOLOGY II
Topics include thinking and other cognitive processes, development of the individual, personality, behaviour disorders, health and social psychology. Other topics are added at the discretion of the instructor. Class demonstrations and activities are used to illustrate concepts.

Pre-requisites: PSYC 100 with a grade of "C" or better or written permission of the instructor and School Chair.

PSYC 202 - RESEARCH METHODS
This course introduces prospective Psychology majors to the major methodological principles which guide research in Psychology. The primary focus is on experimental design, but students will be exposed to some elementary descriptive statistics. Topics include critical thinking and scientific reasoning, principles of measurement, types of variables, validity and reliability, and research ethics. Weekly labs offer hands-on applications of basic concepts to the design of research.

Pre-requisites: PSYC 100 or ENGL 12 or equivalent with a grade of "C" or better or written permission of the instructor and School Chair.

PHYSICS REQUIREMENT:
PHYS 102 or PHYS 104
Students requiring first-year physics have a choice of Physics 102 or Physics 104.
- PHYS 102: Basic Physics I
- PHYS 104: Fundamental Physics I

- PHYSICS REQUIREMENT:
PHYS 103 or PHYS 105
Students requiring first-year physics have a choice of Physics 103 or Physics 105.
- PHYS 103: Basic Physics II
- PHYS 105: Fundamental Physics II

PSYC 121 - RURAL HEALTH ISSUES II
RPM 121 - Rural Health Issues II continues RPM 120’s emphasis on the unique experiences and needs of rural health professionals. The course introduces students to the concept of interprofessional practice and to various communication skills needed for effective teamwork. Students will develop awareness and skills in respectful listening, compassionate communication, group process, and conflict transformation. Attention will also be paid to issues of social power and privilege, prejudice, discrimination, and what is required to overcome these.

RPM 220 - RURAL HEALTH ISSUES III
RPM 220: Rural Health Issues III builds on the skills and knowledge acquired in year one RPM courses. Approaching health through a wide lens, emphasis is placed on examining the social and economic determinants of health. Communication skills are practiced through interaction with community groups and individuals with the goal of developing empathy, perspective-taking and self-care. Teaching strategies include lectures, discussions, guest speakers and community visits with individuals and organizations that provide and/or utilize community health services. Students also engage in recording interviews with community members as a means of self-reflection and improvement of their communication skills.

Pre-requisites: Promotion or admission into Year 2 of the Rural Pre-Medicine Program.

RPM 221 - RURAL HEALTH ISSUES IV
RPM 221 - Rural Health Issues IV builds on RPM 220 - Rural Health Issues III to further develop students’ communication skills and their ability to present themselves professionally to others. The course includes significant preparation for medical entrance interviews. A second and equally important component of RPM 221 is the focus on wellness and self-care for medical students and health professionals, including the challenges and benefits of systematically working toward work-life balance and healthy role-modeling in the areas of diet, exercise, sleep, and stress management.

Pre-requisites: Successful completion of Year 1 RPM program.

RPM 320 - RURAL HEALTH ISSUES V
RPM 320: Rural Health Issues V builds on the communication skills learned and practiced in previous RPM courses. Throughout year 3 of the Rural Pre-Medicine Program, students will work on a health-related rural community applied research project, which may include local and international opportunities for experiential learning. In RPM 320, students will apply research knowledge and methodologies to create a community-based project.
Students will gain practical knowledge through a variety of hands-on skills such as team work, group facilitation, project planning and implementation, and teaching/learning. Transfer Details: This course is included in the block transfer agreement with Royal Roads into the 4th year of their BSc program.

**Pre-requisites:** Third year standing in Advanced Diploma in Rural Pre-Medicine (ADRPM).

**RPM 321 - RURAL HEALTH RESEARCH PROJECT**

RPM 321: Rural Health Applied Research Project, students will implement the health-related project proposals developed in RPM 320. Students will continue to consolidate hands-on skills, such as team work, group facilitation, project planning and implementation, and teaching/learning. Transfer Details: This course is included in the block transfer agreement between Royal Roads University and Selkirk College which allows Selkirk ADRPM students entry into the 4th year of a Royal Roads BSc Degree.

**Pre-requisites:** Third year standing in Advanced Diploma in Rural Pre-Medicine (ADRPM), completion of PSYC 202 with a grade of "C" of better, and CRGin RPM 320.

**SOC 120 - INTRODUCTORY SOCIOLOGY I**

This course is an introduction to the discipline. The sociological perspective is examined, along with the associated concepts and methods. Attention is directed to major areas such as culture, socialization, stratification and deviance. Students have an opportunity to research topics of interest.

**Pre-requisites:** ENGL 12 or equivalent with a grade of "C" or better or written permission of the Instructor and School Chair.

**- GENERAL UAS ELECTIVE**

A student may take any second-year or higher university transferable course to satisfy this elective. Each course must transfer for three or more credits to at least one of: SFU, UBC (Vancouver or Okanagan), UNBC or UVIC. To learn more about how your courses transfer visit the online BC Transfer Guide or contact a Selkirk counsellor.
## Course of Studies

### SEMESTER 1

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<td>BLCK 123</td>
<td>Fabrication Techniques: Welded Forms</td>
<td>4</td>
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<tr>
<td>BLCK 125</td>
<td>Design for Fabrication and Blacksmithing</td>
<td>3.5</td>
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<tr>
<td>BLCK 127</td>
<td>Force, Stance, Direction: Primary Hammer Skills</td>
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<td>BLCK 129</td>
<td>Advanced Techniques: Conceptualize and Create</td>
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<td>CAST 124</td>
<td>How to Cast Bronze</td>
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<td>CAST 126</td>
<td>Exploration of Bronze</td>
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## Program Summary

Learn blacksmithing, welding and metal casting techniques to manipulate, form and join steel for both form and function.

Focusing on exploring your personal expression in metal, we give you the necessary discipline and skills to be able to venture into the global metal marketplace. With an emphasis on developing proper technique and using appropriate tools safely, you'll learn how to design, sculpt, mold and cast in bronze using sand and lost wax casting methods.

Plus, you'll get hands-on practice in studio production, casting sculptural forms and pouring molten metal as you design, create and develop molds and patterns for casting in our foundry room. You will gain the control and confidence to produce traditional and contemporary ironwork and reach a level appropriate for a blacksmith apprentice. Produce work in non-ferrous metals through a variety of studio and foundry demonstrations, discussions, field tips, exercises and self-directed studio time.

## Admission Requirements

In addition to meeting the general entrance requirements for admission to Selkirk College, an applicant must meet the following Kootenay Studio Arts Programming (KSA) entrance requirements.

**QUESTIONNAIRE**

All applicants must complete and submit the following questionnaire at least one week prior to their scheduled interview date. The questionnaire helps us to understand the applicant's interest and commitment to the studio program.

Submit the questionnaire and portfolio using the Kootenay Studio Arts online form.

**INTERVIEW**

All applicants are required to participate in an interview with a program instructor from the Kootenay School of the Arts program. Telephone interviews will be arranged for those applicants who, because of distance, cannot attend in person. The interview is an opportunity for applicants to introduce themselves, present their work and discuss their interests within the arts. The instructor will assess the applicant's preparedness for entry into the program and will ask about commitment, goals and expectations, design knowledge, experience and communication skills. It is also an opportunity for applicants to ask any questions they might have about the program and for faculty to recommend upgrading if necessary.

**PORTFOLIOS**

The portfolio is designed to assess your skill level to help instructors increase your chances of success in your studio program. KSA is looking for a demonstration of visual awareness, creativity and technical skill. The portfolio pieces may be of any medium and they need not be specific to studio preference.

**PORTFOLIO GUIDELINES**

- The number of pieces in an applicant's portfolio will vary depending on the manner in which the applicant works. Generally, the admissions committee would like to see a minimum of six and a maximum of twenty-four pieces.
Portfolios can be submitted by using the online form or mailed to Kootenay Studio Arts.

Two-dimensional works may be presented in their original form. Three-dimensional pieces or any works on a large scale should not be brought to the interview but represented by slides or photographs.

An applicant’s portfolio must be the applicant’s own original work. It can include variations and modifications of existing work.

Applicants should organize their work and set it out so that it shows development over a period of time or group it according to type.

Applicants should bring their workbooks and journals. School assignments and independent explorations will also be helpful to the Admissions Committee.

Applicants must keep their presentations simple and neat. Work should not be matted or elaborately framed.

**SUBMIT YOUR PORTFOLIO IN ONE OF THE FOLLOWING FORMATS**

- Submit the portfolio using the Kootenay Studio Arts online form
- Portable storage device
- CD or DVD (jpeg format)
- Online portfolio (Tumble, Behance, Flickr) emailed to epotlucki@selkirk.ca.
- Hard copy

**HARD COPY PORTFOLIOS FOR TELEPHONE INTERVIEWS MAILED TO**

Kootenay Studio Arts at Selkirk College
606 Victoria Street
Nelson, BC
V1L 4K9

Every precaution is taken to ensure that portfolios are handled with care. KSA does not accept responsibility for any loss or damage to submitted materials. All portfolios that the school has not been able to return to applicants by November 15 will be recycled.

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**Program Courses**

**BLCK 121 - SHOP CULTURES: SAFETY AND DEVICES**

BLCK 121: Shop Culture: Safety and Devices will introduce students to shop culture and to safe operating practices for all tools in the shop. Students will be given an overview of the two metal certificates (Blacksmithing and Metal Casting) and will start to develop the skills necessary to proceed into BLCK 123: Fabrication Techniques: Welded Forms.

**BLCK 123 - FABRICATION TECHNIQUES: WELDED FORMS**

In Fabrication Techniques: Welded Forms, students will be introduced to the safe use of the MIG welder, oxygen and acetylene gases, and the plasma cutter. Exercises include samples using each process, accurate layout, and sculptural inflation.

**BLCK 125 - DESIGN FOR FABRICATION AND BLACKSMITHING**

Design for Fabrication & Blacksmithing provides students with a basic understanding of the design and visual communication skills required to develop and present concepts that may be realized in wrought iron. The course will offer an introduction to essential drawing skills in black and white media and an overview of core design principles – with context via relevant metal craft history. Students will be aided in developing their basic rendering techniques and concept design skills in product development and presentation. The course also covers practical aspects such as the reading and drawing of scale plans, structural considerations, and building code conventions. Students will gain the ability to blend functionality with aesthetics and articulate their creative visions on paper as an adjunct to working in wrought metal.

**Pre-requisites:** BLCK 121: Shop Culture: Safety and Devices.

**BLCK 127 - FORCE, STANCE, DIRECTION: PRIMARY HAMMER SKILLS**

In BLCK 127: Force, Stance, Direction: Primary Hammer Skills, students will develop the ability to manipulate hot steel with hammer and anvil. Following instructor demonstrations and discussion, students will practice a variety of basic smithing techniques. Emphasis is on hammer control, proper and safe tool use and how to apply the knowledge gained to complete simple projects safely and effectively.

**BLCK 129 - ADVANCED TECHNIQUES: CONCEPTUALIZE AND CREATE**

This component introduces students to a broader range of Blacksmithing skills and techniques. Built on a strong foundation of Blacksmithing fundamentals, students' ability to conceptualize and create advanced forms will be increased through tool making and creative problem solving. Students will make a hammer and punches. Skills include power hammer techniques and Tooling.

**BLCK 131 - PRODUCTION PROCESSES**

Students will design, proof and execute a short production run of ornamental metal art. Skills include making and using custom jigs and tooling.

**CAST 122 - DRAWING AND DESIGN FOR METAL CASTING**

This course provides students with a basic understanding of Design and Visual Communication skills required to develop and present concepts that may be realized in Cast Molten Metal. Students will gain the ability to integrate 2D/3D concepts and to combine aesthetics with function when articulating their creative visions ‘on paper’ as an adjunct to working with Cast Metal.

**CAST 124 - HOW TO CAST BRONZE**

Students will design, sculpt, mold and then cast their own unique creations in bronze. In this 5 week intensive course through various assignments, students will learn how to design and sculpt their ideas in clay, mold them in rubber, wax, ceramic shell and then bronze. Various bronze finishing techniques will be taught as well as some marketing.

**CAST 126 - EXPLORATION OF BRONZE**

Students will learn to explore their ideas in clay with more involved processes. In this 5-week intensive course, students will learn more advanced molding techniques and so can create more involved and intricate sculptures. At the end of this course students will visit foundries and working artists in their studios. Students will leave this course with basic casting and marketing skills to further their own explorations.

**CAST 128 - SCULPTURAL MODELING IN CLAY**

This is a 15 week course designed to give students skills in working with oil based clay. Through class exercises, demos and assignments, students will learn to use various tools and techniques to develop an understanding of three dimensional form through modeling in clay.
KSA 190 - SELF DIRECTED STUDIO

KSA 190 Self Directed Studio provides students, under the direction of a faculty member, an introduction to independent studio time with emphasis on the production of a coherent body of work. The student will integrate techniques, materials, and skills learned in previous courses to begin the development of an individual style. Students will prepare and submit a professional quality design brief/written proposal to the studio which will guide their course of action, indicating design theme/concept, illustrations, workplan and techniques. This proposal must be completed by the second week of the course. The design brief will form the basis of the contract for the work to be completed. Any changes to the contract must be made in consultation with faculty and presented in writing. Self Directed Studio proposal form attached. While students are expected to be primarily self directed, attendance and participation in scheduled classes is mandatory. Instructor(s) are available during class time for individual consultation specifically relating to the development of the body of work. There will be critiques and discussion of the work in progress.

Pre-requisites: Completion of KSA Certificate or Diploma at Kootenay School of the Arts, or equivalent or by permission of the School Chair.

Contacts

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SCULPTURAL METAL STUDIO
selkirk.ca/program/sculptural-metal
# Ski Resort Operations & Management

**Year 1**

**SEMESTER 1**

<table>
<thead>
<tr>
<th>Course</th>
<th>Name</th>
<th>Credit</th>
<th>Location</th>
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<tbody>
<tr>
<td>SROM 150</td>
<td>Introduction to Tourism</td>
<td>3</td>
<td>On Campus</td>
</tr>
<tr>
<td>SROM 151</td>
<td>Marketing</td>
<td>3</td>
<td>On Campus</td>
</tr>
<tr>
<td>SROM 155</td>
<td>Computer Applications</td>
<td>3</td>
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<td>SROM 158</td>
<td>Ski Area Risk Prevention and Management</td>
<td>3</td>
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<td>SROM 159</td>
<td>Business Communications</td>
<td>3</td>
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<tr>
<td>SROM 171</td>
<td>Ski Area Planning</td>
<td>3</td>
<td>On Campus</td>
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<tr>
<td>SROM 172</td>
<td>Ski Lift Functions, Maintenance and Regulations</td>
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<tr>
<td>SROM 175</td>
<td>Ski Resort Snowmaking Systems</td>
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**SEMESTER 2**

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<tr>
<td>SROM 152</td>
<td>Ski Area Marketing and Special Events</td>
<td>3</td>
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<td>SROM 153</td>
<td>Organizational Leadership</td>
<td>3</td>
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<td>SROM 156</td>
<td>Data Base Management</td>
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<td>SROM 160</td>
<td>Ski Resort Guest Services and Snow School Operations</td>
<td>3</td>
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<td>SROM 166</td>
<td>Ski Resort Facilities Maintenance</td>
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<td>SROM 169</td>
<td>Accounting</td>
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<td>SROM 173</td>
<td>Ski Resort Slope Grooming Operations</td>
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<td>SROM 184</td>
<td>Snow Safety/Ski Patrol Operations</td>
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<td>SROM 190</td>
<td>Field Study</td>
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**Year 2**

**SEMESTER 3**

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<td>SROM 254</td>
<td>Ski Area Cafeteria Operations</td>
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<td>SROM 256</td>
<td>Ski Area Budgeting and Business Management</td>
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<td>SROM 257</td>
<td>Ski Retail/Rental Shop Management</td>
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<td>SROM 258</td>
<td>Human Resource Management</td>
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<td>SROM 272</td>
<td>Supervisory Ski Lift Operations</td>
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<td>SROM 280</td>
<td>Ski Area Construction and Project Management</td>
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<td>SROM 290</td>
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**SEMESTER 4**

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<td>SROM 288</td>
<td>Ski Resort Winter Work Term</td>
<td></td>
<td>Practicum</td>
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</table>

LENGTH OF STUDY: 2 Years

ACCREDITATION: Diploma

CAMPUS: Tenth Street Campus, Nelson

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**Program Summary**

You already love the slopes and can't get enough of the action, now you can take your passion to new career heights. Selkirk College's SROAM Program can help you become a top professional in this vibrant industry.

Based in Nelson, BC, you'll be at the centre of epic mountain culture and have easy access to world-class ski resorts where you can sharpen your ski, snowboard and networking skills. Covering all aspects of ski resort operations, our program gives you a unique blend of management skills and industry knowledge to prepare you for lasting leadership roles. The curriculum contains specific industry course content not commonly available at post-secondary educational institutions.

**STAYING AHEAD IN A CHANGING INDUSTRY**

The Ski Resort Operations and Management Program is reviewed annually by an advisory committee of senior ski industry representatives to ensure that content is current and that graduates are equipped with the latest useful knowledge and skills. The aim of this program is to accelerate the movement of graduates into supervisory and management level positions. The program relies heavily on the ski industry to provide direct exposure to virtually all aspects of indoor and outdoor operations. Close contact with industry operations is provided through field trip visits that introduce students to industry supervisory and management personnel.

Field trips provide students with first-hand exposure to all aspects of resort indoor and outdoor operations. Direct meetings with ski industry managers and supervisors at resorts visited give students a chance to explore job opportunities for their work semester and after graduation. Program graduates share their stories of building successful ski industry careers.
COURSE DIVERSITY HELPS BROADEN OPPORTUNITIES
During the first three semesters which span 14 months, students take 22 courses focused on tourism, business, and operational subjects that prepare them for a role in the ski and snowboard industry. Included in these first three semesters are 2 five-day and 1 three-day field trips to different ski regions in British Columbia and Alberta. During the fourth semester, students undertake a 21-week paid work semester at a ski resort, which may lead to full-time employment. The work term is a co-operative education endeavour that involves both employer and college supervision of the students’ work experience. Students choose their work placement and negotiate with employers to determine possibilities for job rotation and other learning opportunities. Students receive one on-site visit from an instructor during the work semester and must complete a major written report and verbal presentation to receive credit for this work term.

GET PROFESSIONAL TRAINING
— Tourism Marketing, Customer Service and Human Resources
— Ski Area Construction, Risk Prevention and Management
— Resort Communications and Organizational Leadership
— Computers, Data Base Management and Web Design
— Accounting, Budgeting and Business Management
— Lift, Grooming and Snowmaking Functions, Maintenance and Regulations

GRADUATE CAREERS INCLUDE
— Administration, Human Resource Management
— Guest Services, Rental and Retail Operations
— Sales, Marketing and Special Events
— Cat and Heliskiing Operations
— General Management
— Ski Patrol and Avalanche Control
— Snowmaking, Grooming and Terrain Park Operations
— Lift Operations, Maintenance, Construction
— Ski and Snowboard Schools

Admission Requirements

ACADEMIC
— Completion of BC grade 12 or equivalent (e.g.: G.E.D, A.B.E. Provincial)
— English 12 with a grade of “C” or better

GENERAL
— Applicants must complete an online questionnaire prior to their admission interview.
— A personal or telephone interview will be completed with a ski program instructor. Where circumstances make a personal interview impractical, a telephone interview may be conducted. Areas discussed during the interview include knowledge of the sport and the ski industry and commitment to a career in the ski industry and to the program.
— Applicants are to provide a standard resume outlining their work experience in the ski industry or related tourism sectors such as retail, accommodations or food and beverage.

IMPORTANT INFORMATION
— This is a popular program; candidates are strongly advised to apply early.
— It is strongly recommended that students have keyboarding skills and an understanding of Microsoft Windows prior to program commencement.
— Students currently in the process of meeting academic entrance requirements are encouraged to apply as early as February for the current year’s intake.
— A current high school student must include a letter from his/her principal or counsellor outlining the student’s present standing in prerequisite requirements and a statement about the applicant’s ability to successfully complete the training.
— This program has an enrollment objective of 30 students per year. Students are accepted on a first come, first served basis subject to meeting all program registration requirements.
— Field trips are a requirement of the program. Transportation and travel expenses range from $300 to $400 per semester and are an extra expense to be paid by the student.

PRIOR LEARNING ASSESSMENT
Selkirk College recognizes experience and expertise gained by students prior to entry into College programs. Through a prior learning assessment (PLA) process, a student may receive course credits for knowledge and experience acquired in the workplace. Through an interview and documentation process including the student, a PLA advisor, and the instructor, the student's experience is evaluated in relation to the course requirements. Through PLA a student may receive credit for one or more courses in a given program.

Careers

The ski industry in western Canada is well positioned to meet an increasing world-wide demand for high quality winter and summer mountain recreational facilities and Selkirk College graduates are in demand as the industry grows. Economic and demographic forecasts indicate a quickly tightening labour market in the tourism industry. This will mean increasing opportunities for graduates to step into professional positions of responsibility very quickly. Graduates of the Ski Resort Operations and Management Program may follow a variety of ski resort career paths. The list below indicates just some of the departmental options available for our graduates.

TECHNICAL
— Lift Operations
— Lift and Snow Cat Maintenance
— Grooming Operations
— Snowmaking Operations
— Ski Patrol and Avalanche Control
— Building Maintenance
— Terrain Park Operations

SERVICE
— Ski and Snowboard School
— Rental Shop Operations
— Retail Shop Operations
— Food and Beverage Operations

ADMINISTRATIVE
— Guest Services and Ticket Office Sales
— Human Resources Management
— Financial Management
— Reservations / Accommodations
— Marketing and Promotions
— Special Event Management
— Risk Management
— General Management
The seasonality of ski resort jobs results in somewhat higher rates of employee turnover than in non-seasonal businesses, and this creates opportunities for graduates to advance into supervisory and middle management positions. In fact, many students are able to secure supervisory positions for their work terms or shortly after graduation. Graduates often need to find suitable summer employment that meshes with the ski season prior to becoming year round full time employees. Because our program provides “transferable skills” to our students, off season employment options in the summer tourism industry are readily available. Four season resorts also provide the opportunity for year around employment for graduates from this program.

- Other Ski Industry Employment Options
- Cat Skiing Operations and Heli-skiing Operations
- Lift construction companies
- Ski and Snowboard equipment manufacturers
- Retail wholesale agencies
- Sporting goods retail operations

**TRANSFERRING TO UNIVERSITY**

Through curriculum articulation agreements, Ski Resort and Operations Management (SROAM) graduates from Selkirk College may receive up to two year's credit towards four-year bachelor's degrees from several institutions. Selkirk College has formal agreements with several universities including the University of Lethbridge, but others also accept transfer credit from the SROAM Program.

**Program Courses**

**SROM 150 - INTRODUCTION TO TOURISM**

This course will provide an overview of the tourism industry in Canada and the fundamental relationship of the ski industry to the tourism industry. Specifically, we will examine the interrelationship of the eight tourism sectors, the benefits and drawbacks of tourism growth and development, and national and global trends that have an effect on travel and tourism in Canada currently. The ski industry through technological innovation, increased government regulation and the transition to four-season resorts has spawned many new business opportunities. Entrepreneurial niches and career options will be explored in this important fringe group of businesses that serve and support the ski industry. We will explore how the ski industry became a “Travel Generator” by reviewing historical growth of the industry. The departmental structure of a ski resort will be introduced to enhance the concept of interrelated Tourism Sectors as this concept applies to the ski resort business. Environmental and community impacts will be discussed, by looking at recent proposed resort developments. Discussion of career paths, employment opportunities and transferable skills will round out the topical content of this course.

**SROM 151 - MARKETING**

The roles and functions of marketing in the tourism industry are examined. The principles of customer service excellence and service recovery are discussed in detail. You are lead through the Marketing Planning Process discovering how the “11 P’s” (THE MARKETING MIX) are used to market tourism products and services. You will conduct a case study of a company’s use of marketing tactics and strategies, explain the uses of the myriad marketing tools, and provide examples of how marketing is applied in real world situations. Marketing technology in the 3rd Millennium is also covered.

**SROM 152 - SKI AREA MARKETING AND SPECIAL EVENTS**

In today's competitive recreation and tourism marketplace, competent ski area operators understand the essential role marketing plays in keeping ski lifts, cafeterias and lodges busy. In SROM 251 you will explore how ski resorts use primary and secondary market research, advertising media, the Internet, brochures, consumer ski shows and news releases to boost skier visits. You will also examine the important role of special events and you will learn event management practices. As much as possible, you will apply your studies to hands-on projects that allow you some direct experience in applying marketing concepts and methods to actual ski resort case studies and/or projects that offer direct involvement with ski resort marketing and event management activities.

**SROM 153 - ORGANIZATIONAL LEADERSHIP**

Designed to help prospective supervisors understand how individuals and organizations function effectively through the study of behaviour, communication and organizational structure. It provides students with a working knowledge of the formal relationships between employees and management in the work place through the study of leadership styles, group dynamics and motivation. Students will gain an understanding of the skills required to lead people and to contribute to a team effort. This course also examines changes in society and how they are influencing organizations relating to employee and management roles in time management, stress management, and problem solving.

**SROM 155 - COMPUTER APPLICATIONS**

This course will provide the student with a general introduction to computers and Microsoft application software. Setting up and using e-mail and Moodle is emphasized, as assignments will be submitted to the instructor via this venue. The student will also explore and utilize the web and/or online libraries, searching for information for class assignments. In the second segment, the student will assimilate the basics of Microsoft Word 2010 with regards to correct formats for posters/announcements, résumés, research papers, envelopes, letters, tables and newsletters including all page and print enhancements. Form letters, mailing labels and directories are also covered using the Mail Merge function. The third section will cover the basics of Microsoft Excel 2010, using a number of commands to enhance a worksheet, chart sheets, templates and graphs. Page and print enhancements will also be utilized. The final section covers the integration of Word 2010 and Excel 2010.

**SROM 156 - DATA BASE MANAGEMENT**

SROM 156: Database Management. The initial portion of this course will encompass the basic concepts in the understanding, querying and maintenance of a database system using Microsoft Access. Creating, editing and maintaining tables, queries, forms and reports are covered in this initial portion. In the second segment of the course students will study results of Google Analytics on specific web sites and become aware of accessibility issues with regard to standard-based web designing practices. Students will also create a resume portfolio via a published blog created from WordPress.

**SROM 158 - SKI AREA RISK PREVENTION AND MANAGEMENT**

This course concentrates on analysis and management of ski area risk potential. You will use case studies and current ski industry issues to study risk identification and evaluation, risk control, skier and snowboarder safety, legal liability and waivers, workplace safety, recordkeeping, emergency procedures, risk financing and insurance. This course is also available via Distance Education please see our flyer for more information Ski Resort Risk Management - Online.

**SROM 159 - BUSINESS COMMUNICATIONS**

Deals with written and oral communication skills. Topics include writing memos, letters, emails, formal reports and other business correspondence, making effective presentations, résumé preparation and research techniques. Understanding the theory of business communication and being able to employ this theory effectively in written and verbal communication is critical for tourism, recreation, and hospitality managers who wish to succeed. This course places emphasis on the conceptual, practical, and technical aspects of effective workplace communication.
SKI RESORT OPERATIONS & MANAGEMENT

SROM 160 - SKI RESORT GUEST SERVICES AND SNOW SCHOOL OPERATIONS

Guest Services personnel perform many functions at ski resorts and ski areas. As front line employees, they must be equipped with excellent customer service skills. Quality service delivery, product sales techniques and administrative skills are all employed by staff members working in Guest Services operations. Snow School Operations is an integral part of a ski resort’s services. With the proper management techniques a snow school could be a major revenue centre for the resort. The function, quality and performance of front-line instructors as well as supervisors and management of the snow school can make or break a beginner’s ski/snowboard experience. SROM 160 is presented to provide students with some of the practical knowledge required to sell ski resort products and deliver services to ski resort guests. The size of the ski resort determines the makeup of this operating department and the complexity of systems used. The ability to adapt and design delivery and product sales systems for different size operations will be emphasized. Interfacing management requirements for statistical information and guest controls with the practical design and application of systems and procedures is a requirement for the efficient operation of this operating department. This course will also focus on Snow School Operations from a management perspective. An emphasis will be put on staffing, scheduling, budgeting and programming.

SROM 166 - SKI RESORT FACILITIES MAINTENANCE

Effective management of a ski resort requires smooth functioning of all base area facilities. Base area facilities include the parking lots, day lodges, accommodation facilities, and resort service buildings. Managers and supervisory personnel need to have knowledge of both the function and maintenance requirements of these key base area facilities. Managers must also have intimate knowledge of the functioning and preventative maintenance of the building systems that provide for the needs and comfort of guests and employees. SROM 166 Ski Resort Facilities Maintenance is presented to give students an insight into the complexity of ski resort base area building infrastructure. The necessity for effective maintenance and preventative maintenance programs is inherent in the quality management of these important ski resort assets.

SROM 169 - ACCOUNTING

SROM 169 is an introductory course in accounting from the basic accounting equation to the preparation of the income statement and balance sheet. This course covers merchandising operations, service business accounting, depreciation, adjusting entries as well as specialized journals.

SROM 171 - SKI AREA PLANNING

SROM 171 provides an introduction to a wide range of ski resort planning and development topics. In SROM 171 you will study the mountain environment, ski resort environmental impact issues and mitigation practices, ski area feasibility and physical site evaluation, ski area planning parameters, and the BC Commercial Alpine Ski Policy. You will learn about the requirements for ski resort mapping and you will practice several ski area planning skills, including topographic map interpretation, slope and fall line analysis, ski resort terrain capacity calculations, and mountain design. Finally, you will study ski resort base area design and ski resort real estate development.

SROM 172 - SKI LIFT FUNCTIONS, MAINTENANCE AND REGULATIONS

The development of uphill transportation systems and passenger ropeways in particular, has enabled recreational skiing to evolve into a thriving industry. The continuing evolution of passenger ropeway technology and passenger conveyer systems continues to shape the character of ski resorts and the quality of the ski and snowboarding experience. SROM 172 examines passenger ropeway technology as it is applied in today’s winter recreation areas and resorts. In this course, you will examine the mechanical functioning of passenger ropeway components in the most commonly used passenger ropeways in the ski industry today - fixed and detachable grip chairlifts. You will also identify passenger ropeway maintenance requirements and preventative maintenance procedures. Finally you will learn about passenger ropeway regulations in Canada, including the CSA 298 Standard.

SROM 173 - SKI RESORT SLOPE GROOMING OPERATIONS

As with ski lift technology, the evolution of slope grooming machinery and slope maintenance practices has profoundly affected the ski industry. As numerous ski industry customer service surveys indicate, snow conditions are a primary determinant of skier satisfaction. Thus, slope grooming technology and operations play a major role in providing a high quality skiing experience and creating high levels of skier satisfaction. In SROM 173 you will study the basic design and functioning of slope grooming vehicles and implements designed specifically for the ski industry, particularly the slope grooming machines supplied by the two major slope grooming vehicle manufacturers, Kassboher and Prinoth. You will examine the main components and general maintenance requirements of a slope grooming vehicle, including the engine and its various systems, the tracks and suspension system, and the drive system. You will also study the main slope grooming implements including the blade system, snow tillers, and half pipe grinders. You will review grooming operations, including snow properties in relation to slope grooming, slope-grooming objectives and functions, slope grooming methods and techniques, slope grooming operating plans, and slope grooming expenses and budgeting. Slope grooming human resources management topics include operator training, motivation, and compensation. Practical sessions will allow you to examine grooming equipment in the field, and you will have the opportunity to participate in on one or more “ride-along” sessions at Whitewater ski area. By the end of the course, you will have gained some understanding of how slope grooming personnel can run efficient and cost effective grooming operations. The Park Building curriculum includes industry trends as well as an on-snow portion participants build a terrain park and cross track features from the ground up. The intention is to allow participants to learn through guided discovery while maintaining an aspect of creativity in the design.

SROM 175 - SKI RESORT SNOWMAKING SYSTEMS

Introduces you to the various components of ski resort snowmaking systems and accepted concepts, principles, and operational and management practices for machine snowmaking for the snow resort industry. You will learn about the physics and mechanics of snowmaking and its uses within a snow resort context, as well as its impacts on mountain resort operations and resort costs of operation. You will study snowmaking system components, including snow guns, water pumps and air compressors, system infrastructure, and system controls. You will also examine ski area snowmaking system design, operational practices, snowmaking capital and operating costs, and methods for improving the energy efficiency of ski resort snowmaking operations.

SROM 184 - SNOW SAFETY/ SKI PATROL OPERATIONS

During SROM 184 you will review the primary management issues and operational activities of the snow safety or ski patrol department, with a focus on managing avalanche hazards. You will examine the major elements of ski resort avalanche hazard assessment and safety including avalanche terrain, mountain weather, snow pack features, and
avalanche rescue. As part of your study of avalanche hazards and safety, you will have the opportunity to complete the Canadian Avalanche Centre (CAC) Avalanche Skills Training (AST) Level I course which involves two full days of field study. In addition to examining avalanche hazard concerns and issues, you will study several snow safety/ski patrol operations and management topics, including avalanche hazards and ski area planning, ski resort avalanche control, ski patrol operations, ski resort accident investigation and recording, ski lift evacuation, and ski patrol facilities and equipment.

SROM 190 - FIELD STUDY
This course consists of a five day credit bearing field trip to visit ski areas. Although venues change from year to year, it typically includes major ski resorts and regions throughout western Canada. The purpose of this visit is to talk with ski area managers and supervisors, on location, about their operations and to inspect those operations. Often the ski area visit provides "hands-on" supplements to the contents of on-going SROM courses and involve field work assignments. This trip provides an excellent opportunity for candid conversations with ski industry personnel from general managers to line staff, as well as an excellent opportunity to examine facilities and equipment.

SROM 254 - SKI AREA CAFETERIA OPERATIONS
In this course students will study and practice the fundamental skills necessary to function competently in a kitchen. Via practical hands on experience this course will provide students with a glimpse of the day in the life of a chef and the culinary world. Professionalism, teamwork, proper safety and sanitation procedures are all a part of any well run kitchen and will be emphasized in this course. During the course the students prepare lunch in the college cafeteria, learn how to create "eye appeal" in food preparation and prepare food for an event.

SROM 256 - SKI AREA BUDGETING AND BUSINESS MANAGEMENT
The material covered in Ski Area Budgeting and Business Management will introduce students to the analysis of financial data for a standard Income Statement and Balance Sheet. Financial ratios that are normally used to predict the business health of a ski resort will be covered. Using CVP numerical analysis, students will learn the impact of future proposed financial changes on the fiscal health of a ski resort's finances. Problem solving will help students to understand these financial concepts. Creation of budget templates on EXCEL spreadsheets for "wages and salaries", and "departmental contribution margin" will round out the course content.

SROM 257 - SKI RETAIL/RENTAL SHOP MANAGEMENT
Part I: SROM 157 Ski Resort Rental Operations: Students will be introduced to the practical aspects of ski and snowboard rental shop operations. The layout and design of rental shops now must accommodate a wide range of rental equipment including: shaped skis, snowboarding equipment, demos, and other sliding devices such as snow-bikes. Equipment purchase, rotation and disposal of aging rental equipment, and inventory control will be studied. Rental agreements, the CWSSA rental waiver, and liability issues will be discussed. The maintenance of rental equipment and the importance of good record keeping will be emphasized. Finally, repair shop operations as a satellite operation of the rental shop will round out the topics of discussion. Students will complete a Rental Shop Design project to enhance their knowledge of effective rental shop layout, flow, and balance.

Part II: SROM 157 Ski Resort Retail Shops: For the second half of this course, students will be given an overview of retailing and how ski resort retail shops have become an integral revenue centre in today's ski resort operations. The following retail topics will be discussed including: buying cycle, customer service and selling, shop layout, and product merchandising. Pricing, the basis for mark-up, and discounting as related to retail shop financial performance will be studied. Guest speakers from local ski or snowboard retail operations will present content on current industry trends and successful retail strategies. Students will carry out a critical analysis of a local sports retail shop to enhance their knowledge of store layout, merchandising, and in-store security.

SROM 258 - HUMAN RESOURCE MANAGEMENT
As labour markets tighten around the globe, good human resources management is essential to attracting and retaining effective staff. This is particularly true in seasonal resorts and ski areas where the link between staff and the guest is so critical. Innovative approaches to human resources management are necessary to recruit and retain the right people in the industry. In this course you will focus on the critical issues that concern managers in the tourism industry: human resource planning, recruitment and selection, orientation, training and development, performance management and progressive discipline, challenges and trends, employment standards and labour relations.

SROM 272 - SUPERVISORY SKI LIFT OPERATIONS
SROM 272 is a continuation of SROM 172. Ski lift operational considerations are the primary focus of this course. You will learn about lift capacity, standard and emergency operating procedures, lift operations supervision, lift operator training, lift operations budgeting, and lift operations human resources management issues. You will also examine the broad range of passenger rope ways available for use in the ski industry, from simple rope tows to technologically advanced multiple haul rope systems. SROM 272 incorporates elements of LIFT 150 - Ski Lift Operations Train-the-Trainer, a course created by Selkirk College for lift operations personnel. Through the LIFT 150 portion of the course you will have the opportunity to earn the LIFT 150 certificate, a credential required by the BC Safety Authority to train lift operators in British Columbia.

SROM 280 - SKI AREA CONSTRUCTION AND PROJECT MANAGEMENT
SROM 280, Ski Area Construction and Project Management builds on topics previously introduced in three related courses: S171 Ski Area Planning, S172 Lift Functions, Maintenance and Regulations, and S166 Ski Resort Facilities Maintenance. S 280 focuses on ski area construction projects with trail construction and lift installation receiving the most emphasis. As a part of examining construction techniques and best practices, students will study environmental impact mitigation practices, including measures to reduce impact on natural water courses. Students will review government acts and regulations that affect construction decisions around water courses. S280 also reviews project planning techniques and tools including Gantt Charts and PERT/CPM.
SROM 288 - SKI RESORT WINTER WORK TERM
Each student arranges work as a paid, full-time employee at a ski resort. For certain students, the employment may be at a cat-skiing operation, heli-skiing operation or industry product and service supplier. With assistance from ski program instructors, a suitable work opportunity is arranged commensurate with the experience and work term goals of each student. Some resort operators recruit Year II students directly at Selkirk College. Some resort operators organize a job rotation plan that provides for a wide range of ski industry work experience. A ski-program instructor visits the each student in January or early February to assess performance in conjunction with the student’s direct supervisor. Each student returns to Selkirk College in late April to do an oral presentation and complete a written project on their work term experience.

SROM 290 - FIELD STUDY
This course consist of a five day credit bearing field trip to visit ski areas. Although venues change from year to year, this field trip normally includes a visit to Whistler/Blackcomb Ski Resort. The purpose of these visits is to talk with ski area managers and supervisors, on location, about their operations and to inspect those operations. These trips provide an excellent opportunity for candid conversations with ski industry personnel from general managers to line staff, as well as an excellent opportunity to examine facilities and equipment. Students have the opportunity to engage in screening interviews with resorts visited on this final major field trip.

LIFT 150 TRAIN THE TRAINER
This course was developed for ski lift operations personnel under the direction of the Apprenticeship and Training Committee of the Canada West Ski Areas’ Association by the Ski Resort Operations and Management Program at Selkirk College. LIFT 150 is the first step in developing an integrated, standardized training program for ski industry operating and maintenance personnel.

For a number of years, the regulatory authority for passenger ropeways for the Province of British Columbia has encouraged the development of formal ski lift operator training programs at ski areas. The need for standardized training for ski lift operators was recommended by the coroner’s report on the 1995 Quicksilver chair lift accident. The intent of the Apprenticeship and Training Committee is to provide all ski area operators with high-quality, standardized training programs.

Start Dates: Continuous intake beginning Nov 15. Last registration date: March 1.

Course Duration: Three weeks from date of registration to complete all aspects of the course.

SKI RESORT RISK MANAGEMENT - ONLINE
Learn to effectively manage risk in any aspect of ski area operations from the top of the mountain to base area operations and services.

This course is designed for people currently working in any capacity, in any type or size of ski area operation. In particular, this benefits anyone with risk management responsibilities in Canadian ski resorts; risk managers, operations managers, ski patrollers, supervisors or managers in any department from Food & Beverage to Snow School.

COURSE OBJECTIVES
You will learn to assess and manage the risks ski areas face on a day-to-day basis using actual case studies and online discussions about current industry issues and solutions with students in other resorts across the country. This course will provide an accessible and practical training tools. Participants will understand the “big picture” of Risk Management to develop strategies and tactical plans for their area of responsibility.

Topics of study include risk identification and evaluation, risk control, skier and snowboarder safety, legal liability and waivers, workplace safety, administration and documentation, emergency planning, risk financing and insurance. A series of assignments will lead you through the development of a risk management plan for one department of your ski area.

Coursework can be done at any time, day or night. There are no scheduled login times. Evaluation is assignment based rather than exam based.

DATES, COST AND TIME
The course begins on February 13, running for 12 weeks until early May. Space is limited. Time commitment is estimated at seven to eight hours per week. Please consider your availability before registering as we cannot refund or credit tuition for those unable to complete the course. Tuition is $526.74. A textbook is required at a cost of $95 plus tax. Contact the Selkirk College book store at 250.365.1281.

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Program Summary

Your sense of caring may have come naturally or perhaps your life has been touched by circumstances that kindle a sense of empathy and a desire to be of service. If you have a desire to support people in times of need and crisis, a career in social services may be for you. Up to 90% of our Social Service Worker (SSW) graduates find stable, satisfying work. A shortage of workers is predicted over the next five years.

Choose Social Service Work If You
- Want to help build healthy communities
- Have a strong desire to support others
- Believe in caring for others
- Feel a sense of duty to your community
- Want to work with marginalized populations

Social Work values form the foundation of this beneficial and rewarding program.

PROGRAM BENEFITS
- Practical interviewing and counselling skills
- Development of written and oral communication
- Promotion of self awareness, personal growth and readiness for practice
- Critical thinking, team building and problem solving skills
- Individual, group and family strategy skills
- Feminist and Indigenous approaches to practice are introduced
- Anti-oppressive perspectives are a foundation of the program

This program prepares you to work as entry level practitioner in the Human Services field.

Admission Requirements

Students may complete the program on a full or part-time basis. All qualified applicants are required to have their planned program reviewed by a program instructor who will provide advice regarding the selection of appropriate full and part-time options. In addition to meeting the general entrance requirements for Admission to Selkirk College, an applicant must meet the following Social Service Worker program requirements.

ACADEMIC REQUIREMENTS

Official transcripts from high school or post-secondary institutions (mailed directly from the Ministry of Education and educational institutions) showing the following:
- Grade 12 or equivalent (consideration will be given to mature students)
- English 12 or equivalent with a grade of "C" or better (or a minimum Language Proficiency Score (LPI) of level 4).
NON-ACADEMIC REQUIREMENTS
- Criminal Record Check with Ministry of Justice
- Résumé
- Two completed personal reference forms
- Completed health information form
- A work reference based on 30 hours of paid or volunteer social services related work experience
- Driver’s license and transportation is recommended

COMPUTER SKILLS
- Basic computer skills are required for this program. Necessary skills include knowledge of internet, email, word processing and file management. You are encouraged to complete the Computer Skills Self Assessment

COLLEGE READINESS TOOL
- The College Readiness Tool (CRT) must be completed prior to starting the program. If you have completed the assessment previously at Selkirk, it’s not necessary to do it again. For more information regarding the CRT, please see http://selkirk.ca/services/crt

DOCUMENTS REQUIRED
- Official transcripts from high school and all post-secondary institutions attended, mailed directly from the Ministry of Education and educational institutions.
- A résumé which includes a record of all previous employment AND a record of any volunteer work relevant to the proposed field of study.
- A one-page statement explaining your goals and objectives for wanting to enroll in the program.
- Two references from people who have known you well for more than two years. These references should be submitted by the referees in sealed envelopes marked “confidential” (please find the forms in the Application Package).
- A health information form (please find the forms in the Application Package).
- A criminal record check from the Ministry of Justice (please find information in Application Package).

Program Courses

ADD 184 - INTRODUCTION TO ADDICTIONS
This course is designed as an introduction to the study of addiction, both substance and behavioural. Current research in the pharmacological, physiological, social and spiritual causes of addiction are considered as well as current models for understanding dependence, recovery and relapse. Students learn how the addictive process is assessed and treated based on the physical, emotional, social and spiritual needs of the client. Family support, self-help programs, harm reduction and current trends in addictive substances and behaviours are also explored. On-Line in the Fall & On Campus in the Winter Introduction to Addictions can be taken on-line in the fall or on campus in the winter. The fall online option is open to part-time students.

Pre-requisites: ENGL 12 or equivalent.

ENGL 110 - COLLEGE COMPOSITION
English 110 is about thinking and writing. You will learn how to develop and express informed opinions on issues that matter. You will also learn about research, editing, and expository and persuasive academic writing forms.

Pre-requisites: A “C” or better in ENGL 12 or equivalent or LPI level 4 or written permission of the Instructor and School Chair.

ENGL 111 - INTRODUCTION TO LITERATURE
English 111 is about living more intensely. Rather than providing answers, literature prompts us to ask better questions of ourselves and each other. Drama, poetry, short stories, and novels will guide us in discussion, reflection, and writing about literature.

Pre-requisites: ENGL 110 with a grade of “C” or better or equivalent, or written permission of the Instructor and School Chair. Note: English 112/114 is intended for students interested in a literary focus.

FAM 180 - FAMILY DYNAMICS
FAM 180: Family Dynamics is designed to provide students with a variety of theoretical perspectives to understanding families. It considers the diversity of families through the lenses of the life course perspective and political policies. Family formation, parenting, separation and divorce and aging are all examined. Family issues are also considered, including marriage and death rituals, work and poverty, same sex relationships, disabilities and immigrants. Policies that affect families are explored through an examination of violence in the family and political trends. The course is intended to be a foundation for further study of families. Note: The fall semester of FAM 180 is in the classroom, the winter semester offering is via distance learning.

Pre-requisites: Must be done concurrently with or after completing English 110.

HSER 174 - INTERPERSONAL COMMUNICATIONS
HSER 174: Interpersonal Communications provides the student with an opportunity to examine personal goals, values and attitudes; develop and practice listening and responding skills, and become more aware of personal strengths and limitations. This course is designed to help students gain self-understanding in order to be more effective in working with people.

PSYC 100 - INTRODUCTORY PSYCHOLOGY I
An introduction to the methods, theory and practice of psychology as a science. Among others, topics will include motivation and emotion, learning and memory, biological foundations, sensation and perception. Other topics are added at the discretion of the individual instructor. Class demonstrations and activities are used to illustrate concepts. Teaching methods and resources in the course vary with the instructor.

Pre-requisites: ENGL 12 or equivalent with a grade of “C” or better or written permission of the instructor and School Chair.
PSYC 101 - INTRODUCTORY PSYCHOLOGY II
Topics include thinking and other cognitive processes, development of the individual, personality, behaviour disorders, health and social psychology. Other topics are added at the discretion of the instructor. Class demonstrations and activities are used to illustrate concepts.

Pre-requisites: PSYC 100 with a grade of "C" or better or written permission of the Instructor and School Chair.

SSW 157 - GROUP SKILLS
SSW 157: Group Skills, offers knowledge and skill development that can be applied to a large number of settings: in the workplace as a team member; working with specific client groups including children, adolescents, families, special interest, and age groups; leading and/or participating in learning and discussion groups; planning, implementing and evaluating community development work. Effective social service workers need a good understanding of working in groups and group facilitation skills. The focus will be on increasing students' awareness of their own interaction in groups and on demonstrating their ability to use effective facilitation skills with groups.

SSW 160 - INTRODUCTION TO SOCIAL WORK I
SSW 160: Introduction to Social Work I, is designed to introduce students to the practice of social work, emphasizing a generalist approach and considering the ideological and historical influences which have shaped social work in Canada. The values, knowledge, and skill foundations to this challenging profession are investigated. Further, it explores the roles of social workers and their methods of intervention based on several practice frameworks, including systems, strengths perspective, structural, anti-oppressive, feminist and Aboriginal approaches. This exploration includes a review of the relevant codes of ethics and practice standards that guide practitioners. Social structures that influence people's lives are also examined along with how various sources and forms of oppression and marginalization impact the lives of people in Canadian society.

Pre-requisites: ENGL 12 or equivalent with a grade of "C" or better.

SSW 161 - INTRODUCTION TO SOCIAL POLICY
SSW 161: Introduction to Social Policy explores social issues and how they are influenced by cultural ideologies and values. The historical development of social security policies and programs in Canada, within the context of larger global trends is examined. The impact of social policy on populations such as those who live in poverty, people with disabilities and minority populations will be explored with a view to the past, present and potential future status of the social safety net in Canada and other countries around the world.

Pre-requisites: ENGL 110 or equivalent with a grade of "C" or better.

SSW 162 - COMMUNITY RESOURCES
SSW 162: Community Resources is designed to assist students to prepare for practicum placement. Students will explore domains of practice and roles Social Service Workers carry in the Human Services.

SSW 163 - FIELD WORK I
SSW 163: Field Work I is a competency based field placement in an agency providing social services. The placement begins in January and runs through the winter term, and must be taken concurrently with SSW 157 and SSW 166. The student will gain familiarity with the services of the agency, the mandate and policies of the agency and the other resources in the community. The student will have a high level of supervision from agency staff in any activities they carry out with the agency's clients.

Pre-requisites: Successful completion of SSW 160, SSW 162, HSER 174, PSYCH 100, ENGL 110, and FAM 180.

SSW 166 - APPLICATION OF THEORY TO PRACTICE
SSW 166: Application of Theory to Practice provides an overview of the role of social services worker and explores the application of ethical standards and standards of practice. Focus is on integrating social work theory into practice experience to enhance theoretical learning from other courses.

SSW 168 - FIELD WORK II
SSW 168: Field Work II is a full-time field placement for five weeks following the winter semester that affords the student the opportunity to practice the skills learned in the previous two semesters. Field placement provides an opportunity for students to demonstrate competency required for permanent employment in Social Service Agencies. On-line weekly seminars will support this practicum.

Pre-requisites: SSW 163 and completion of all program courses.

Contacts

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Selkirk College Academic Calendar 2018-19 23
Flexible Pre-Major in Sociology

Complete the following core sociology courses for 18 credits and combine them with first- and second-year university courses for a total of 60 credits and you will be considered for admission as a sociology major starting at the third-year level.

Courses should be determined with the advice of a Selkirk College counsellor.

<table>
<thead>
<tr>
<th>Course</th>
<th>Name</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOC 120</td>
<td>Introductory Sociology I</td>
<td>3</td>
</tr>
<tr>
<td>SOC 121</td>
<td>Introductory Sociology II</td>
<td>3</td>
</tr>
<tr>
<td>SOC 205</td>
<td>Introduction to Social Research</td>
<td>3</td>
</tr>
<tr>
<td>SOC 225</td>
<td>Introduction to Sociological Theory</td>
<td>3</td>
</tr>
<tr>
<td>SOC 200</td>
<td>Deviance and Social Control</td>
<td>3</td>
</tr>
<tr>
<td>SOC 215</td>
<td>Canadian Social Structure</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td></td>
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</tr>
</tbody>
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Program Summary

A broad discipline that expands your awareness of the world. Sociology is the analysis of human social relationships, cultures and institutions that profoundly shape both our lives and human history.

For students interested in earning a bachelor of arts degree in sociology, Selkirk College offers the provincially accredited flexible pre-major.

CAREER POTENTIAL

Because of sociology’s broad areas of interest, a degree in sociology is an excellent preparation for a variety of careers, including further postgraduate studies in the social sciences (sociology, social work, education, law, criminology and law enforcement and international development. Examples of a few careers within sociology include:

- Urban/regional planner
- Human rights officer
- Social research specialist
- Demographer
- Career counsellor
- Public health administrator
- Correction officer
- Market analyst
- Journalist
- Sociology educator

Courses

SOC 120 - Introductory Sociology I

This course is an introduction to the discipline. The sociological perspective is examined, along with the associated concepts and methods. Attention is directed to major areas such as culture, socialization, stratification and deviance. Students have an opportunity to research topics of interest.

Pre-requisites: ENGL 12 or equivalent with a grade of “C” or better or written permission of the instructor and School Chair.

SOC 121 - Introductory Sociology II

This course examines the social life as it occurs in families, formal organizations, religion, political movements and other social systems. Student research projects are part of the course.

Pre-requisites: SOC 120 or written permission of the instructor and School Chair.

SOC 205 - Introduction to Social Research

Sociology 205: Introduction to Social Research introduces students to research methods in the social sciences. Students will be introduced to the major procedures for carrying out systematic investigation of the social world. The course will encourage students to critically evaluate the methods, strategies and data that are used by social scientists and provide training in analysis of a range of qualitative and quantitative data.

Pre-requisites: Second year standing.

SOC 225 - Introduction to Sociological Theory

Introduction to Sociological Theory is designed to introduce students to the major nineteenth and twentieth century thinkers who shaped the development of sociological theory. In exploring sociology’s theoretical heritage, the course seeks also to foster an appreciation of what theory is and how necessary and useful it is for studying and understanding the social world.

Pre-requisites: Sociology 120 and Sociology 121 (Selkirk College) or the equivalent six units of introductory Sociology from other institutions.

SOC 200 - Deviance and Social Control

The processes by which some behaviour comes to be identified as deviant and the social means of control of such behaviour through the criminal justice system are examined analytically. This course transfers as a first year criminology course to institutions offering criminology degrees.

Pre-requisites: ENGL 12 or equivalent with a grade of “C” or better or written permission of the instructor and School Chair.

SOC 215 - Canadian Social Structure

A macro level analysis of factors such as (but not limited to) ethnicity, region, gender and class as a basis for understanding contemporary Canadian society.

Pre-requisites: ENGL 12 or equivalent with a grade of “C” or better or written permission of the instructor and School Chair.

Contacts

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TRACY PUNCHARD
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Spectrum: Lifespan Autism Resources & Training

SPECTRUM will appeal to Education Assistants, Teachers, Early Childhood Educators, Caregivers and Community Support Workers who want to increase their qualifications and broaden their resume. The training and resources are also valuable for parents, grandparents, aunts and uncles, coaches, store clerks, bus drivers, individuals with ASD and anyone living in community.

Each SPECTRUM module includes:
- a warm welcome exploring the relevance of each topic
- stories and interviews
- information about the topic presented as a “book”
- relevant current links to articles and videos and resources
- activities and self-assessment tools
- a helpful downloadable handout including practical tools

SPECTRUM Topics Include:
- History
- Labels, Neurodiversity
- Prevalence
- What is Autism?
- Communication and Social Interactions
- Understanding and Supporting Positive Behaviour
- Sensory Processing
- Underlying Differences
- Diagnosis Process
- Evidence-based Causes, Theories and Treatments
- Significant Transitions through the Lifespan
- Strengths

REGISTRATION
Register online through Community Education & Workplace Training.

Selkirk College acknowledges the support of Columbia Basin Trust who provided funds for development of this innovative course that will benefit residents of the Columbia Basin region.
Course of Studies

Upon successful completion of a 10-month Studio Arts Certificate program in either Textiles or Sculptural Metal pursue a diploma in Studio Arts with a major in your chosen discipline.

Enroll in KSA 290 - Directed Studies, then choose a minimum of 6 credits from below. Other courses may be considered eligible for completion of the diploma but must be assessed by the School Chair and Registrar’s office. Students are advised to contact the School Chair to discuss course selection below.

<table>
<thead>
<tr>
<th>SEMESTER 3</th>
<th>Course</th>
<th>Name</th>
<th>Credit</th>
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<tbody>
<tr>
<td>DA 110</td>
<td>Introduction to Photoshop</td>
<td>On Campus</td>
<td>3</td>
</tr>
<tr>
<td>DA 103</td>
<td>History of Art</td>
<td>On Campus</td>
<td>1</td>
</tr>
<tr>
<td>DA 103</td>
<td>History of Design</td>
<td>On Campus</td>
<td>1</td>
</tr>
<tr>
<td>DA 103</td>
<td>From Motion Pictures to Digital Cinema</td>
<td>On Campus</td>
<td>1</td>
</tr>
<tr>
<td>DA 131</td>
<td>HTML, CSS &amp; the Foundations of Web</td>
<td>On Campus</td>
<td>3</td>
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<tr>
<td>DA 111</td>
<td>Art Fundamentals</td>
<td>On Campus</td>
<td>2</td>
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<tr>
<td>DA 111</td>
<td>Introduction to Adobe Illustrator</td>
<td>On Campus</td>
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<tr>
<td>CWRT 100</td>
<td>Studies in Writing I</td>
<td>On Campus</td>
<td>3</td>
</tr>
<tr>
<td>HIST 104</td>
<td>Canada Before Confederation</td>
<td>On Campus</td>
<td>3</td>
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<tr>
<td>HIST 106</td>
<td>Western Civilization I</td>
<td>On Campus</td>
<td>3</td>
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<tr>
<td>WS 100</td>
<td>Women’s Studies I</td>
<td>On Campus</td>
<td>3</td>
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<td>PEAC 100</td>
<td>Peace Studies I</td>
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<td>ENGL 110</td>
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<th>Course</th>
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<tbody>
<tr>
<td>ADMN 181</td>
<td>Marketing</td>
<td>On Campus</td>
<td>3</td>
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<tr>
<td>DA 141</td>
<td>3D Modeling</td>
<td>On Campus</td>
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<tr>
<td>DA 141</td>
<td>3D Modeling and Rendering</td>
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<tr>
<td>DA 112</td>
<td>Photoshop Projects</td>
<td>On Campus</td>
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<td>DA 113</td>
<td>Intermediate Art and Design</td>
<td>On Campus</td>
<td>3</td>
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<tr>
<td>DA 266</td>
<td>The Art of Making</td>
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<tr>
<td>HIST 105</td>
<td>Contemporary Canada</td>
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<tr>
<td>HIST 107</td>
<td>Western Civilization II</td>
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<tr>
<td>ENGL 111</td>
<td>Introduction to Literature</td>
<td>On Campus</td>
<td>3</td>
</tr>
<tr>
<td>DA 113</td>
<td>Intermediate Art and Design</td>
<td>On Campus</td>
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<td></td>
<td><strong>Total</strong></td>
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</tbody>
</table>

Program Summary

This is an opportunity to explore and hone your design and technical abilities through a self-directed learning experience in an inspiring rural setting.

This program is ideal for individuals who are motivated, inspired and studio-focused with the intention of building a career as an artisan/maker. You can major in Jewelry, Textiles, Ceramics or Sculptural Metal and round out your creative skills with course offerings in academic, digital media and self-directed studio practice.

Course offerings designed to complement hands-on studio time include:
- 3D Modeling and Rendering
- Art History
- HTML, CSS and the Foundations of Web
- Introduction to Digital Photography
- Marketing
- Peace Studies
- Portfolio and Presentation
- Studies in Writing
- Women’s Studies

DEGREE PATHWAYS

Upon completion of the Studio Arts Diploma program, transfer opportunities are available for those who wish to pursue further post-secondary studies.

Selkirk College has a transfer agreement in place with Emily Carr University of Art + Design whereby graduates of the Studio Arts Diploma with a cumulative grade point average of 3.00 or higher are automatically accepted into year three of the Bachelor of Fine Arts degree program. This includes Visual Arts, Critical and Cultural Practices. Students with a lower GPA are also considered for entry.

Students will need to take an additional 6 credits of first-year University English Literature and Composition along with 6 credits of first-year Survey of Western Art History before graduating from the four-year Emily Carr degree program.
Admission Requirements

In addition to meeting the general entrance requirements for admission to Selkirk College, an applicant must meet the following Kootenay Studio Arts programming (KSA) entrance requirements.

QUESTIONNAIRE

All applicants must complete and submit the following questionnaire at least one week prior to their scheduled interview date. The questionnaire helps us to understand the applicant's interest and commitment to the studio program.

Submit the questionnaire and portfolio using the Kootenay Studio Arts online form at selkirk.ca/ksa.

INTERVIEW

All applicants are required to participate in an interview with a program instructor from the Kootenay School of the Arts program. Telephone interviews will be arranged for those applicants who, because of distance, cannot attend in person. The interview is an opportunity for applicants to introduce themselves, present their work and discuss their interests within the arts. The instructor will assess the applicant's preparedness for entry into the program and will ask about commitment, goals and expectations, design knowledge, experience and communication skills. It is also an opportunity for applicants to ask any questions they might have about the program and for faculty to recommend upgrading if necessary.

PORTFOLIOS

The portfolio is designed to assess your skill level to help instructors increase your chances of success in your studio program. KSA is looking for a demonstration of visual awareness, creativity and technical skill. The portfolio pieces may be of any medium and they need not be specific to studio preference.

PORTFOLIO GUIDELINES

- The number of pieces in an applicant's portfolio will vary depending on the manner in which the applicant works. Generally, the admissions committee would like to see a minimum of six and a maximum of twenty-four pieces.
- Portfolios can be submitted by using the online form or mailed to Kootenay Studio Arts.
- Two-dimensional works may be presented in their original form. Three-dimensional pieces or any works on a large scale should not be brought to the interview but represented by slides or photographs.
- An applicant's portfolio must be the applicant's own original work. It can include variations and modifications of existing work.
- Applicants should organize their work and set it out so that it shows development over a period of time or group it according to type.
- Applicants should bring their workbooks and journals. School assignments and independent explorations will also be helpful to the Admissions Committee.
- Applicants must keep their presentations simple and neat. Work should not be matted or elaborately framed.

SUBMIT YOUR PORTFOLIO IN ONE OF THE FOLLOWING FORMATS

- Submit the portfolio using the Kootenay Studio Arts online form
- Portable storage device
- CD or DVD (jpeg format)
- Online portfolio (Tumblr, Behance, Flickr)
- Hard copy

HARD COPY PORTFOLIOS FOR TELEPHONE INTERVIEWS MAILED TO
Kootenay Studio Arts at Selkirk College
606 Victoria Street
Nelson, BC
V1L 4K9

Every precaution is taken to ensure that portfolios are handled with care. KSA does not accept responsibility for any loss or damage to submitted materials. All portfolios that the school has not been able to return to applicants by November 15 will be recycled.

Program Courses

ADMN 181 · MARKETING
ADMN 181: Marketing introduces students to basic concepts and principles of marketing. Topics include Canadian entrepreneurship, small business management, evaluation of business opportunities, and marketing management. Market planning will be emphasized as well as practical decision making in regards to evaluating the business environment, market segmentation, market research, and strategy choices. The marketing mix or product, price, place of distribution, and promotion will be discussed in depth.

Pre-requisites: Program admission standards

CWRT 100 · STUDIES IN WRITING I

Students seeking an Associate of Arts degree in English (Writing Studies) must take CWRT 100. The course focuses the writer's efforts on the value of compression and the reduction of ideas to their purest forms. An in-depth exploration of imagery, metaphor and word choice through the study of poetry will prepare students to produce original compositions in any genre. Students will be expected to submit original writing for workshop in at least two of the four genres - poetry, fiction, non-fiction, or drama. The craft of writing essays and criticism on theory and form will be introduced. NOTE: CWRT 100 and 101 do not exempt students from the regular first year English requirements, i.e. English 110/111 or 112/114.

Pre-requisites: A "C" or better in ENGL 12 or LP1 level 4.

DA 103 · HISTORY OF ART

This course examines the history of visual communication from the 17,300 year old cave paintings at Lascaux, France, to Ancient Egyptian hieroglyphics, to contemporary artists like Swoon and Banksy. This multi-cultural exploration of traditional 2-Dimensional art will analyze how messages have been communicated visually through the ages. Major movements/styles of art will also be explored.

DA 103 · HISTORY OF DESIGN

This course analyzes the historical and contemporary relevance and relationship of design and persuasion. Additionally, students will explore early concepts of branding, product packaging and typography, the theories of image and text communication, and understanding markets and audiences. Assigned projects will provide students the opportunity to demonstrate knowledge through practice.

DA 103 · FROM MOTION PICTURES TO DIGITAL CINEMA

This course offers an overview of the century-long transition from the first movies through to the computer-generated worlds of contemporary movie making. By viewing and discussing a select group of short and feature length films, students will develop an appreciation for the craft and technological shifts in cinema. Participants in this course are required to attend scheduled screenings where lecture and discussion will occur before and after each film.

DA 110 · INTRODUCTION TO PHOTOSHOP

This course introduces students to Adobe Photoshop software. Learning a variety of colour correction techniques, becoming skilled with different selection tools, image editing, and using layers are the main objectives of this course.
DA 111 - ART FUNDAMENTALS
Covers the creative process, from concept, to rough sketch, to completed artwork is the basis for the exploration of the fundamental concepts.

DA 111 - INTRODUCTION TO ADOBE ILLUSTRATOR
Acquaints students with the basic and most fundamental tools in Adobe Illustrator. Knowledge gained from in class tutorials will be reinforced by the development of illustration projects.

DA 112 - PHOTOSHOP PROJECTS
This is a project-based course is a continuation of the DA 110 series of courses and covers advanced techniques with Adobe Photoshop. Advanced selection methods, custom effects and blend mode options are explored. Image compositing will be the major focus of this course and will be utilized by students to create complex custom artwork.

DA 113 - INTERMEDIATE ART AND DESIGN
The principles of design, the functions of design, design theory, colour theory and typography are areas of study for DA 113, Introduction to Graphic Design. Concepts are analyzed during lectures and discussion and are applied to projects using Adobe Illustrator.

DA 131 - HTML, CSS & THE FOUNDATIONS OF WEB
HTML, CSS & the Foundations of Web introduces the core technologies in web development. Topics include web site planning, design, coding and deployment in addition to accessibility, best practices and web standards set by the World Wide Web Consortium. Emphasis is on the use of progressive enhancement, adaptive design, semantically correct HTML and CSS to create effective and attractive web sites. Other topics include how to register a domain name, purchase hosting, and publish and maintain a website.

DA 141 - 3D MODELING
Focuses on the concepts and practices used in 3D computer modeling for a variety of applications. Specific modeling techniques for 3D printing, organic, architectural will be covered. The primary application for this course will be Lightwave 3D although some time may be spent in other “Open Source” applications specific to 3D printing.

DA 141 - 3D MODELING AND RENDERING
This course is a continuation of DA 141A and focuses on the concepts and practices of modeling and texturing. Modeling techniques will focus on character modeling with the end goal of creating a fully textured character ready for rigging and animation. The primary application for this course will be Lightwave 3D although Adobe Photoshop will be used for texturing.

DA 266 - THE ART OF MAKING
This course focuses on what it means to be a “Maker”. The goal of this course is to learn just enough to make almost anything. Most importantly, students will learn that the results of a project are less important than the process -- learning how to do things by failing.

ENGL 110 - COLLEGE COMPOSITION
English 110 is about thinking and writing. You will learn how to develop and express informed opinions on issues that matter. You will also learn about research, editing, and expository and persuasive academic writing forms.

Pre-requisites: A “C” or better in ENGL 12 or equivalent or LPI level 4 or written permission of the Instructor and School Chair.

ENGL 111 - INTRODUCTION TO LITERATURE
English 111 is about living more intensely. Rather than providing answers, literature prompts us to ask better questions of ourselves and each other. Drama, poetry, short stories, and novels will guide us in discussion, reflection, and writing about literature.

Pre-requisites: ENGL 110 with a grade of “C” or better or equivalent, or written permission of the Instructor and School Chair. Note: English 112/114 is intended for students interested in a literary focus.

HIST 104 - CANADA BEFORE CONFEDERATION
A survey of Canadian history from the pre-contact societies of the First Nations to the creation of Canadian Federation in 1867. European expansion and settlement in Northern North America, relations between Europeans and First Nations, and the development of the colonial societies that formed Canada are examined. Emphasis is placed on fostering student interest in history by examining the historical experiences of a diversity of Canadians.

Pre-requisites: ENGL 12 or equivalent with a grade of “C” or better or written permission of the Instructor and School Chair.
KSA 290 - SELF DIRECTED STUDIO I

KSA 290 Self Directed Studio provides an opportunity for students, in consultation with a faculty member, to develop their design, time management and advanced studio skills through the production of a body of work. Emphasis will be on creative expression and the demonstration of the students' technical and/or design abilities. Students will prepare and submit a professional quality design brief/written proposal to the studio which will guide their course of action, indicating design theme/concept, illustrations, workplan and techniques. This proposal must be completed by the second week of the course. The design brief will form the basis of the contract for the work to be completed. Any changes to the contract must be made in consultation with faculty and presented in writing. While students are expected to be primarily self directed, attendance and participation in scheduled classes is mandatory. Instructor(s) are available during class time for individual consultation specifically relating to the development of the body of work. There will be critiques and discussion of the work in progress.

Pre-requisites: Completion of KSA Certificate or Diploma at Kootenay School of the Arts, or equivalent or by permission of the School Chair.

PEAC 100 - PEACE STUDIES I

PEAC 100: Peace Studies I is an interdisciplinary and values-based course that is the first of two introductory core courses in Peace Studies. Readings will include United Nations documents, as well as essays and excerpts from the writings of philosophers, anthropologists, psychologists, and peace researchers. Students will thus gain familiarity with literature addressing a broad range of past and current theories and discourse related to peace and conflict. Through their own reflection and working collaboratively in groups, students will have the opportunity to move from theory to practice in one of the most challenging issues of humanity’s collective experience: building cultures of peace.

Pre-requisites: English 12 with a grade of "C" or better, or written permission of the Instructor and School Chair.

WS 100 - WOMEN'S STUDIES I

Women's Studies 100 is an interdisciplinary course designed to introduce students to the study of women in global cultures as portrayed through literature and sociological studies. Topics to be covered include the women's movement, sexuality, "herstory", gender roles, philosophy and law.

Pre-requisites: English 12 with a grade of "C" or better or written permission of the Instructor and School Chair.
# Teaching English to Speakers of Other Languages (TESOL)

## Program Summary

The Selkirk College TESOL Advanced Diploma program is for students interested in teaching English as a second or foreign language either domestically or internationally. Classes are offered in one intensive semester of study, during which students gain both theoretical and practical knowledge in teaching language. Upon completion, students are eligible for TESL Canada Professional Certification.

The program includes course work in the areas of second language acquisition theory and linguistics, curriculum design, materials development, intercultural communication, grammar, phonology, classroom management, multi-media resources and assessment. In addition to the 18 hours a week of class time, students observe and teach in one of Selkirk’s skill-based, multicultural ESL classrooms. TESOL students also have the opportunity to participate in language partnerships with ESL students and gain work experience as ESL tutors. There are two program options:

### TESOL ADVANCED DIPLOMA

Students complete 250 hours of methodology coursework plus a 20-hour practicum which includes:

- 10 hours of observation and 10 hours of practice teaching in one of Selkirk’s skill-based, multicultural ESL classrooms.
- Students who hold a degree and meet the qualifications for Selkirk’s TESOL Advanced Diploma program are eligible for TESL Canada Professional 1 Certification.

For those interested in TESL Canada Professional 2 Certification, Selkirk College offers an Extended Practicum which includes an additional 20 hours of observation and 10 hours of teaching in one of Selkirk’s skill-based, multicultural ESL classrooms.

### TESL ADVANCED CERTIFICATE

Students complete 14 credits (250 hours) of methodology coursework, but they do not participate in the Practicum component. This program does not meet all the requirements needed to apply for TESL Canada recognition.

If students who have completed the Advanced Certificate program wish to complete the Practicum component and convert their Advanced Certificate to an Advanced Diploma, they can do so within one year and with the approval of the School Chair. There is an additional charge for this added teaching experience.

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## Course of Studies

For the Advanced Diploma, students must complete: TSOL 101, 103, 105, 107, 109, 110, and 112.

For the Advanced Certificate, students must complete: TSOL 101, 103, 105, 107, 109, and 112.

Courses marked with an * are not a part of the TESOL Advanced Diploma or TESL Advanced Certificate programs. They are additional course offerings.

<table>
<thead>
<tr>
<th>SEMESTER</th>
<th>Course</th>
<th>Name</th>
<th>Credit</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>TSOL 101</td>
<td>Introduction to Teaching English Language Learners</td>
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<tr>
<td></td>
<td>TSOL 103</td>
<td>Teaching Listening and Speaking</td>
<td>3</td>
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<tr>
<td></td>
<td>TSOL 105</td>
<td>Teaching Reading and Writing</td>
<td>3</td>
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<tr>
<td></td>
<td>TSOL 107</td>
<td>Topics in English Language Learning</td>
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<td></td>
<td>TSOL 109</td>
<td>Teaching Pronunciation</td>
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<tr>
<td></td>
<td>TSOL 110</td>
<td>Practicum Experience and Seminar</td>
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<td></td>
<td>TSOL 112</td>
<td>Grammar for Teachers</td>
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<tr>
<td></td>
<td>TSOL 120</td>
<td>International Practicum *</td>
<td>Practicum</td>
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<tr>
<td></td>
<td>TSOL 121</td>
<td>Extended Practicum *</td>
<td>Practicum</td>
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<tr>
<td></td>
<td>TSOL 122</td>
<td>Visiting Practicum *</td>
<td>On Campus</td>
</tr>
<tr>
<td></td>
<td>TSOL 123</td>
<td>Practical Studies in TESOL*</td>
<td>On Campus</td>
</tr>
</tbody>
</table>

**Total 18**
Admission Requirements

ALL TESOL APPLICANTS MUST SUBMIT

– Proof of successful graduation from a degree or diploma program from a recognized institution OR Proof of completion of at least two years of post-secondary education with an average of C+.
– Evidence of prior work or volunteer educational experience, preferably with second language learners, and/or course work in education is desirable
– An interview (in person or via Skype)
– A resume
– A letter of intent
– Completed application form and application fee. To apply download application form.
– Proof of English Language Proficiency.
– Applicants who have completed most of their education in a language other than English, must provide evidence of a minimal TOEFL score of 213 (CBT), or an IELTS score of 6.5 (with no band score lower than 6.0), or have completed the Selkirk Advanced English Language program and English 051 with a C+ or higher average.

NOTE: To obtain TESL Canada Professional 1 or 2 status, applicants must have completed a degree. Students who have a degree in progress, may apply for certification with TESL Canada upon completion of their degree. Additionally, applicants to TESL Canada who have completed most of their education in a language other than English, must provide IELTS Academic Overall 7 (with a minimum of 7 in each skill area) or TOEFL iBT Overall 100 (with a minimum of 23 in Listening, 24 in Reading, 27 in Speaking and 27 in Writing).

Program Courses

TSOL 101 - INTRODUCTION TO TEACHING ENGLISH LANGUAGE LEARNERS
Introduction to Teaching the English Language introduces students to the TESOL profession. Both theoretically and practically students will explore the needs and challenges of effective classroom organization, management, and teaching with the goal of creating a learner-centered classroom. Principles learned will be applied and further developed in the courses Teaching Listening and Speaking, and Teaching Reading and Writing.

TSOL 102 - TEACHING READING AND WRITING
The Teaching Reading and Writing course focuses on teaching theory and methodology used to develop ESL students' reading and writing skills in a second language classroom. It also offers practical knowledge on materials development, teaching activities and techniques, lesson unit plan design, and the development of assessment tools.

TSOL 103 - TEACHING LISTENING AND SPEAKING
Teaching Listening and Speaking is a course for pre-service teachers that focuses on methodology and resources for teaching listening and speaking to learners of English. Participants will discuss the key principles of teaching these skills, and investigate a variety of methods and techniques. They will have the opportunity to create and use communicatively-based, learner-centred activities for the classroom.

TSOL 104 - TEACHING PRONUNCIATION
Teaching Pronunciation is a course that focuses on teaching how to improve the intelligibility of learners' spoken English. Participants in the course learn to identify features in spoken language that block or slow down comprehension on the part of the listener. Corrective activities that can be used within a communicative framework are emphasized.

TSOL 105 - TOPICS IN ENGLISH LANGUAGE LEARNING
This course will support, enrich and expand learners' study of TESOL with exploration in to the current trends in the field. Topics will include but are not limited to: teaching young learners, effective tutoring, developing e-portfolios, using technology in the classroom, navigating the job search, and strategies for teaching multi-level classes.

TSOL 106 - PRACTICUM EXPERIENCE AND SEMINAR
A teaching practicum is an integral part of the TESOL program. Students participate in formal classroom observations and then proceed to solo practice teaching. Students have the opportunity to choose a specific skill area class to focus on within the extensive Selkirk College English Language program. Through observation, practice teaching, evaluation and review, students are able to gain firsthand experience. Experienced instructors in the program provide guidance, supervision and ongoing support. A one-hour weekly group seminar provides the opportunity for students to share and reflect on their experience.

TSOL 112 - GRAMMAR FOR TEACHERS
Grammar for Teachers is an introduction to the fundamental structures of grammar as well as to the different approaches and techniques for grammar instruction in a second language context. This course will create a bridge between being a speaker of English and being a teacher of the language.

TSOL 121 - EXTENDED PRACTICUM *
In the TESOL Extended Practicum course, students gain first-hand experience observing and teaching in one of Selkirk's multicultural, skill-based ESL classes on campus. Students will be supported by experienced ESL instructors who provide one-on-one guidance, supervision and feedback. This course is not required for graduation in the Advanced Diploma nor Advanced Certificate programs.

TSOL 122 - VISITING PRACTICUM *
In the TESOL Visiting Practicum course, students who have completed a minimum of 100 hours of TESOL coursework at an institution other than Selkirk College can gain first-hand experience observing and teaching in one of Selkirk's multicultural, skill-based ESL classes on campus. Students will be supported by experienced ESL instructors who provide one-on-one guidance, supervision and feedback. This course is not required for graduation in the Advanced Diploma nor Advanced Certificate programs.
TSOL 123 - PRACTICAL STUDIES IN TESOL*

The Practical Studies in TESOL course is designed to give visiting TESOL students or teachers first-hand experience observing and teaching in Selkirk College’s multicultural, skill-based ESL classes on campus. Students will work closely with one of Selkirk’s experienced ESL instructors. As a teaching assistant, students will plan, prepare and conduct instructional activities with one-on-one guidance, supervision and feedback from their sponsor teacher. In addition, students will observe a variety of classes in the program.

This course is not required for graduation in the Advanced Diploma nor Advanced Certificate programs.

Contacts

DARCY FALKENHAGEN
TESOL Program Lead, TESOL Instructor, ELP Instructor/Learning Skills Coordinator
Phone: 250.365.7292 ext 21401
Fax: 250.365.5410
Email: dfalkenhagen@selkirk.ca
## Course of Studies

### SEMESTER 1

<table>
<thead>
<tr>
<th>Course</th>
<th>Name</th>
<th>Credit</th>
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<tr>
<td>TEXT 101</td>
<td>Dye Technology</td>
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<tr>
<td>TEXT 103</td>
<td>Textile Construction</td>
<td>4</td>
</tr>
<tr>
<td>TEXT 105</td>
<td>Surface Design</td>
<td>2</td>
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<tr>
<td>TEXT 107</td>
<td>Felt and Colour</td>
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</tr>
<tr>
<td>PPD 101</td>
<td>Drawing as a Basic Visual Communication</td>
<td>3</td>
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<tr>
<td>PPD 103</td>
<td>Design as a Basic Visual Language</td>
<td>3</td>
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<tr>
<td>PPD 104</td>
<td>Introduction to Digital Design Applications</td>
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Total 21

### SEMESTER 2

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<td>TEXT 102</td>
<td>Printing</td>
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<tr>
<td>TEXT 104</td>
<td>Pattern Drafting and Design</td>
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</tr>
<tr>
<td>TEXT 106</td>
<td>Weaving</td>
<td>3</td>
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<td>TEXT 108</td>
<td>Studio Specific Design</td>
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<tr>
<td>PPD 111</td>
<td>Professional Practice and Design</td>
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Total 16.5

### SEMESTER 3

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<tbody>
<tr>
<td>TEXT 112</td>
<td>Design for Production &amp; Product Development</td>
<td>2</td>
</tr>
<tr>
<td>TEXT 114</td>
<td>Applied Textile Design</td>
<td>1</td>
</tr>
<tr>
<td>TEXT 120</td>
<td>Self Directed Studio I</td>
<td>2</td>
</tr>
<tr>
<td>TEXT 113</td>
<td>Contemporary Fibre &amp; Mixed Media Applications</td>
<td>1.5</td>
</tr>
</tbody>
</table>

Total 6.5

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### Program Summary

Fibre objects and textiles are among the oldest and most diverse of human expressive forms. They are an integral component of our lives and contemporary aesthetic.

In the textiles program there is an emphasis on developing skills and a high level of proficiency within a diverse range of techniques. You will have the opportunity to engage in many areas of study, including weaving, felting, dyeing, screen printing and pattern drafting.

COURSES INCLUDE

- Design for Production
- Dye Technology
- Fabric Construction and Design
- Loom Weaving
- Pattern Drafting and Clothing Design
- Professional Practices

Our textile program is designed to cultivate an environment of creative problem solving and thinking in conjunction with hands on studio work in order for the student to become efficient creative makers in their chosen field of textiles.

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### Admission Requirements

In addition to meeting the general entrance requirements for admission to Selkirk College, an applicant must meet the following Kootenay Studio Arts programming (KSA) entrance requirements.

**QUESTIONNAIRE**

All applicants must complete and submit the following questionnaire at least one week prior to their scheduled interview date. The questionnaire helps us to understand the applicant's interest and commitment to the studio program.

Submit the questionnaire and portfolio using the Kootenay Studio Arts online form at selkirk.ca/textiles.

**INTERVIEWS**

All applicants are required to participate in an interview with a program instructor from the Kootenay School of the Arts program. Telephone interviews will be arranged for those applicants who, because of distance, cannot attend in person. The interview is an opportunity for applicants to introduce themselves, present their work and discuss their interests within the arts. The instructor will assess the applicant’s preparedness for entry into the program and will ask about commitment, goals and expectations, design knowledge, experience and communication skills. It is also an opportunity for applicants to ask any questions they might have about the program and for faculty to recommend upgrading if necessary.

**PORTFOLIOS**

The portfolio is designed to assess your skill level to help instructors increase your chances of success in your studio program. KSA is looking for a demonstration of visual awareness, creativity and technical skill. The portfolio pieces may be of any medium and they need not be specific to studio preference.
PORTFOLIO GUIDELINES
- The number of pieces in an applicant's portfolio will vary depending on the manner in which the applicant works. Generally, the admissions committee would like to see a minimum of six and a maximum of twenty-four pieces.
- Portfolios can be submitted by using the online form or mailed to Kootenay Studio Arts.
- Two-dimensional works may be presented in their original form. Three-dimensional pieces or any works on a large scale should not be brought to the interview but represented by slides or photographs.
- An applicant's portfolio must be the applicant's own original work. It can include variations and modifications of existing work.
- Applicants should organize their work and set it out so that it shows development over a period of time or group it according to type.
- Applicants should bring their workbooks and journals. School assignments and independent explorations will also be helpful to the Admissions Committee.
- Applicants must keep their presentations simple and neat. Work should not be matted or elaborately framed.

SUBMIT YOUR PORTFOLIO IN ONE OF THE FOLLOWING FORMATS
- Submit the portfolio using the Kootenay Studio Arts online form
- Portable storage device
- CD or DVD (jpeg format)
- Online portfolio (Tumblr, Behance, Flickr) emailed to epotlucki@selkirk.ca.
- Hard copy

HARD COPY PORTFOLIOS FOR TELEPHONE INTERVIEWS MAILED TO
Kootenay Studio Arts at Selkirk College
606 Victoria Street
Nelson, BC
V1L 4K9

Every precaution is taken to ensure that portfolios are handled with care. KSA does not accept responsibility for any loss or damage to submitted materials. All portfolios that the school has not been able to return to applicants by November 15 will be recycled.

Program Courses

PPD 101 - DRAWING AS A BASIC VISUAL COMMUNICATION
This is a basic drawing course designed to give students a background and experience in the fundamentals of drawing as a basic visual communication. Through exercises and assignments, the student will learn to use drawings as a tool to record a concept, manipulate, develop, communicate and refine those concepts.

PPD 103 - DESIGN AS A BASIC VISUAL LANGUAGE
To introduce students to the elements and principles of design through a series of two and three dimensional design projects which place an emphasis on creative problem solving. Critical analysis and discussion will have an important role in all aspects of developing a visual vocabulary. Through course projects and personal research, students will investigate the process of design and the relevance it has to their studio practice, and their personal development.

PPD 104 - INTRODUCTION TO DIGITAL DESIGN APPLICATIONS
Developed to compliment and expand the skill set of the traditional artist, Introduction to Digital Design Applications will introduce students to image creation and processing techniques using Adobe Photoshop and Adobe Illustrator. Emphasis will be placed on creative workflow, image file types, drawing and painting tools, colour correction and artistic exploration. Additional topics include the production of self-promotional materials for both print and web, and an introduction to 3D design options for both jewelry and clay production.

PPD 111 - PROFESSIONAL PRACTICE AND DESIGN
This course provides information to assist the emerging craftsperson, designer, and maker in developing skills for selling their work in a commercial context. A variety of approaches will cover three broad areas of study: management, business, and marketing.

TEXT 106 - WEAVING
This course is an introduction to the language of colour, pattern and design in the construction of cloth through the study of weave structures, using a variety of fibres on multi-shaft looms. Students will learn to produce cloth on the loom, in the progression from concept to finished textile. Computer assisted design of woven fabric will aid in the exploration of more complex weave structures.

PPD 102 - SURFACE DESIGN
This course is an introductory study of the principles and application of colour and imagery on cloth utilizing resist techniques, block printing and silkscreen printing with dyes and pigments.

TEXT 102 - PRINTING
Students will learn various processes and approaches to silk-screen printing and explore the potential of printed imagery, repeating-pattern and other effects on cloth with a primary focus on printing using photo emulsion, natural dyes, mordants and modifiers. (6 hours for 16 weeks)

TEXT 103 - TEXTILE CONSTRUCTION
This course is an introduction to sewing techniques, machine and hand finishing, stitching and textile manipulation for fashion, costume, wearable art and 2 and 3 D objects. Sewing techniques include; seams, hems, edges, buttonholes, zippers, mixed media piecing, appliqué, beading, embroidery, reinforce fabrics, collage, design and sew collars, cuffs and pockets. Students will learn to design and plan projects, make small patterns and prototypes and construct Wearables. This course also includes fibre identification.

TEXT 104 - PATTERN DRAFTING AND DESIGN
In this course students will learn about pattern drafting, pattern draping, pattern design and styling on the mannequin for fashion. Costume and wearable art clothing and accessories will also be studied. Students will learn to create patterns, transfer patterns to paper, make alterations, transfer patterns to materials and construct garments.

TEXT 105 - SURFACE DESIGN
This course is an introductory study of the principles and application of colour and imagery on cloth utilizing resist techniques, block printing and silkscreen printing with dyes and pigments.

TEXT 107 - FELT AND COLOUR
Ethnographic explorations will be the beginnings of this class with time-honoured hand felting techniques extending into the development of contemporary applications. All explorations in this course will occur in the context of the study of pattern and plane symmetries and textile design as well as the application of dye technology.
TEXT 108 - STUDIO SPECIFIC DESIGN
Utilizing design principles the student will develop a collection of textile designs and samples that can be applied within the context of their own studio practice.

TEXT 112 - DESIGN FOR PRODUCTION & PRODUCT DEVELOPMENT
In this course the student will be taken through a step-by-step process of designing and making a limited product line for a contemporary market. (4.5 hours for 8 weeks).

TEXT 113 - CONTEMPORARY FIBRE & MIXED MEDIA APPLICATIONS
This course addresses contemporary visual language and form. Students will investigate the use of new and familiar materials, exploring 2 and 3 dimensional works through exercises and projects within a contemporary mix media vein.

TEXT 114 - APPLIED TEXTILE DESIGN
This is an introduction to the computer as a creative design tool for product development and production for specific markets.

TEXT 120 - SELF DIRECTED STUDIO I
This course gives the student an opportunity to develop a self-directed body of work. In consultation with the studio instructors students are encouraged to work independently, pursuing areas of personal interest. Students submit an application outlining what they intend to work on in the self-directed studio course.

Contacts

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Program Contact
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Email: arts@selkirk.ca

DARYL JOLLY
School Chair
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Direct: 250.505.1394
Email: djolly@selkirk.ca

LAURA WHITE
Jewelry Instructor/Coordinator
Phone: 250.352.2821 ext 13296
Email: lwhite@selkirk.ca
### Course of Studies

The following mix of courses satisfies the requirements for the first-year associate of arts degree - entry to traditional Chinese medicine. Electives should be chosen in consultation with a Selkirk College counsellor.

#### Year 1

<table>
<thead>
<tr>
<th>SEMESTER 1</th>
<th>Course</th>
<th>Name</th>
<th>Credit</th>
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<tr>
<td></td>
<td>ANTHROPOLOGY</td>
<td>First year Anthropology Requirement</td>
<td>On Campus</td>
</tr>
<tr>
<td></td>
<td>SOC 120</td>
<td>Introductory Sociology I</td>
<td>On Campus</td>
</tr>
<tr>
<td></td>
<td>ENGL 110</td>
<td>College Composition</td>
<td>On Campus</td>
</tr>
<tr>
<td></td>
<td>PSYC 100</td>
<td>Introductory Psychology I</td>
<td>On Campus</td>
</tr>
<tr>
<td></td>
<td>MATH SCI</td>
<td>Mathematical Science Elective for Arts</td>
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<tr>
<th>SEMESTER 2</th>
<th>Course</th>
<th>Name</th>
<th>Credit</th>
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<tbody>
<tr>
<td></td>
<td>ADD 184</td>
<td>Introduction to Addictions</td>
<td>On Campus</td>
</tr>
<tr>
<td></td>
<td>ANTH 110</td>
<td>Introduction to Biological Anthropology</td>
<td>On Campus</td>
</tr>
<tr>
<td></td>
<td>SOC 121</td>
<td>Introductory Sociology II</td>
<td>On Campus</td>
</tr>
<tr>
<td></td>
<td>ENGL 111</td>
<td>Introduction to Literature</td>
<td>On Campus</td>
</tr>
<tr>
<td></td>
<td>PSYC 101</td>
<td>Introductory Psychology II</td>
<td>On Campus</td>
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<tr>
<td></td>
<td><strong>Total</strong></td>
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</tr>
</tbody>
</table>

#### Year 2

The following mix of courses satisfies the requirements for the second-year associate of arts degree - entry to traditional Chinese medicine. Electives should be chosen in consultation with a Selkirk College counsellor.

- Students without Chemistry 12 need to take CHEM 110. Students with Chemistry 12 take CHEM 122.
- Some second-year courses have first-year prerequisites, so please choose your first-year courses accordingly.

<table>
<thead>
<tr>
<th>SEMESTER 3</th>
<th>Course</th>
<th>Name</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>BIOL 104</td>
<td>Biology I</td>
<td>On Campus</td>
</tr>
<tr>
<td></td>
<td>CHEMISTRY</td>
<td>Chemistry Requirement: CHEM 110 or CHEM 122</td>
<td>On Campus</td>
</tr>
<tr>
<td></td>
<td>PSYC 240</td>
<td>Child Development</td>
<td>On Campus</td>
</tr>
<tr>
<td></td>
<td>ARTS II</td>
<td>Second Year Arts Requirement (Including Discipline)</td>
<td>On Campus</td>
</tr>
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<td>ARTS II</td>
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<table>
<thead>
<tr>
<th>SEMESTER 4</th>
<th>Course</th>
<th>Name</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>BIOL 106</td>
<td>Biology II</td>
<td>On Campus</td>
</tr>
<tr>
<td></td>
<td>CHEM 125</td>
<td>Foundations of Chemistry II</td>
<td>On Campus</td>
</tr>
<tr>
<td></td>
<td>PHIL 201</td>
<td>Contemporary Moral Problems II</td>
<td>On Campus</td>
</tr>
<tr>
<td></td>
<td>PSYC 241</td>
<td>Adult Development</td>
<td>On Campus</td>
</tr>
<tr>
<td></td>
<td>ARTS II</td>
<td>Second Year Arts Requirement (Including Discipline)</td>
<td>On Campus</td>
</tr>
<tr>
<td></td>
<td><strong>Total</strong></td>
<td><strong>16</strong></td>
<td></td>
</tr>
</tbody>
</table>

### Admission Requirements

Admission to the Associate of Arts – Entry to Traditional Chinese Medicine program requires the completion of Biology 12, Chemistry 11 (Chemistry 12 recommended), English 12 and Pre-calculus 11* or Foundations 11 with a grade of “C” or higher.

Students who lack the admission requirements may still gain entry to the program by taking a combination of upgrading and university courses in...
their first year. This may extend the length of their program.

*Students wishing to take STAT 105 must have completed Foundations of Math 12 or Pre-calculus 11 with a grade of C+ or better.

**PROGRAM REQUIREMENTS**
In addition to fulfilling the program requirements for a Associate of Arts – Entry to Traditional Chinese Medicine the student must complete the course of studies outlined below.

Program Courses

**ADD 184 - INTRODUCTION TO ADDICTIONS**
This course is designed as an introduction to the study of addiction, both substance and behavioural. Current research in the pharmacological, physiological, social and spiritual causes of addiction are considered as well as current models for understanding dependence, recovery and relapse. Students learn how the addictive process is assessed and treated based on the physical, emotional, social and spiritual needs of the client. Family support, self-help programs, harm reduction and current trends in addictive substances and behaviours are also explored. On-line in the Fall & On Campus in the Winter: Introduction to Addictions can be taken on-line in the fall or on campus in the winter. The fall online option is open to part-time students.

**Pre-requisites:** ENGL 12 or equivalent.

**ANTH 110 - INTRODUCTION TO BIOLOGICAL ANTHROPOLOGY**
This course introduces the theories, methods and research in biological anthropology. Topics include the study of human and non-human primates, morphological variations, the human fossil record, trends and debates in human evolution, and biocultural adaptations.

**Pre-requisites:** English 12 or equivalent with a grade of "C" or better.

**- FIRST YEAR ANTHROPOLOGY REQUIREMENT**
Select an Anthropology course requirement from either of the courses listed below:

- ANTH 100: Introduction to Anthropology I
- ANTH 101: Introduction to Anthropology II: Cultural Anthropology

**- SECOND YEAR ARTS REQUIREMENT**
*(INCLUDING DISCIPLINE)*
Students may take any second-year UAS Arts elective (Humanities or Social Sciences) including your major discipline.

**Biol 104 - BIOLOGY I**
A course designed for those students who require first year biology in their program of study or who wish to go on to further study in biology. The course includes cell biology, biochemistry, and an examination of the processes of life in the plant and animal body. A strong emphasis is placed on the development of critical thinking skills through problem solving, research design, and laboratory analysis.

**Pre-requisites:** BIOL 12 or equivalent and CHEM 11 or equivalent. Students lacking the stated prerequisites may enroll in the course with written permission of the School Chair; however, they should be aware that they will be required to do additional work. This course is available via Distance Education, but requires attendance at weekly on-site labs.

**Biol 106 - BIOLOGY II**
Along with BIOL 104 (Biology I), this course provides an overview of the study of living things. Biology 106 presents topics in population, community and ecosystem ecology, and classical and molecular genetics. Evolution provides a unifying theme for the course. A strong emphasis is placed on the development of critical thinking skills through problem solving, case studies and laboratory investigation.

**Pre-requisites:** BIOL 104 with a grade of "C" or better or written permission of the Instructor and School Chair.

**Chem 125 - FOUNDATIONS OF CHEMISTRY II**
CHEM 125: Fundamentals of Chemistry II is the continuation for either CHEM 110 or CHEM 122. The course consists of two major units: physical chemistry and organic chemistry. The study of physical chemistry begins with an investigation of reaction rates (kinetics), followed by the principles of equilibria applied to pure substances and aqueous solutions, and an introduction to the laws of thermodynamics. The second major unit is a survey of the field of organic chemistry; topics include the physical and chemical properties of alkenes and alkenes, stereochemistry, and addition, substitution, and elimination reactions. The laboratory work involves the measurement of physical and chemical properties as well as chemical syntheses.

**Pre-requisites:** CHEM 110 or CHEM 122 with a grade of "C" or better, or written permission of the Instructor and School Chair.

**- CHEMISTRY REQUIREMENT:**

**CHEM 110 OR CHEM 122**
Students requiring first-year chemistry have a choice of Chemistry 110 or Chemistry 122.

- CHEM 110: Fundamentals of Chemistry
- CHEM 122: General Chemistry I

**ENGL 110 - COLLEGE COMPOSITION**
English 110 is about thinking and writing. You will learn how to develop and express informed opinions on issues that matter. You will also learn about research, editing, and expository and persuasive academic writing forms.

**Pre-requisites:** A "C" or better in ENGL 12 or equivalent or LPI level 4 or written permission of the Instructor and School Chair.

**ENGL 111 - INTRODUCTION TO LITERATURE**
English 111 is about living more intensely. Rather than providing answers, literature prompts us to ask better questions of ourselves and each other. Drama, poetry, short stories, and novels will guide us in discussion, reflection, and writing about literature.

**Pre-requisites:** ENGL 110 with a grade of "C" or better or equivalent, or written permission of the Instructor and School Chair. Note: English 112/114 is intended for students interested in a literary focus.

**- MATHEMATICAL SCIENCE ELECTIVE FOR ARTS**
Students may take any university-transferable, first- or second-year course in mathematics, computer science or statistics.

- MATH 100
- MATH 101
- MATH 125
- MATH 140
- MATH 180
- MATH 181
- MATH 221
- CPSC 100
- CPSC 101
- STAT 105
- STAT 206

**PHIL 201 - CONTEMPORARY MORAL PROBLEMS II**
Focuses on biomedical and environmental ethics. We discuss abortion and euthanasia both as legal and ethical issues. We then discuss legal ethics and the controversy around capital punishment. Finally, we explore environmental issues, particularly animal rights and obligations towards nature.

**Pre-requisites:** ENGL 12 or equivalent with a "C" or better, Level 4 LPI or written permission of the Instructor and School Chair.

**PSYC 100 - INTRODUCTORY PSYCHOLOGY I**
An introduction to the methods, theory and practice of psychology as a science. Among others, topics will include motivation and emotion, learning and memory, biological foundations, sensation and
perception. Other topics are added at the discretion of the individual instructor. Class demonstrations and activities are used to illustrate concepts. Teaching methods and resources in the course vary with the instructor.

**Pre-requisites:** ENGL 12 or equivalent with a grade of "C" or better or written permission of the Instructor and School Chair.

**PSYC 101 - INTRODUCTORY PSYCHOLOGY II**
Topics include thinking and other cognitive processes, development of the individual, personality, behaviour disorders, health and social psychology. Other topics are added at the discretion of the instructor. Class demonstrations and activities are used to illustrate concepts.

**Pre-requisites:** PSYC 100 with a grade of "C" or better or written permission of the Instructor and School Chair.

**PSYC 240 - CHILD DEVELOPMENT**
An introduction to normal child development, this course explores selected aspects of the physical, cognitive, emotional, and moral development of children from birth to adolescence; and examines the major theories of child development.

**Pre-requisites:** PSYC 100/101 or written permission of the Instructor and School Chair.

**PSYC 241 - ADULT DEVELOPMENT**
An introduction to normal adult development, this course examines critical issues and theories of adolescence, and early, middle and late adulthood.

**Pre-requisites:** PSYC 100/101 and PSYC 240 or written permission of the Instructor and School Chair.

**SOC 120 - INTRODUCTORY SOCIOLOGY I**
This course is an introduction to the discipline. The sociological perspective is examined, along with the associated concepts and methods. Attention is directed to major areas such as culture, socialization, stratification and deviance. Students have an opportunity to research topics of interest.

**Pre-requisites:** ENGL 12 or equivalent with a grade of "C" or better or written permission of the Instructor and School Chair.

**SOC 121 - INTRODUCTORY SOCIOLOGY II**
This course examines the social life as it occurs in families, formal organizations, religion, political movements and other social systems. Student research projects are part of the course.

**Pre-requisites:** SOC 120 or written permission of the Instructor and School Chair.
Program Summary

Are you interested in addressing conflict and achieving peace through viable, sustainable methods?

PROGRAM OVERVIEW

The advanced certificate in transformative justice provides the learner with an alternative perspective to conflict resolution on an interpersonal, community and global level. Transformative justice expands the conventional conflict resolution approaches in two ways. Firstly, transformative justice takes the theory and practice of approaches to conflict, including healing, reconciliation and restoring relationships beyond the realm of the criminal justice system. Secondly, transformative justice seeks to understand and address the root causes of systemic conflict, such as political, economic and social inequality and injustice.

The advanced certificate begins with a theoretical study of transformative justice, which leads to a more directed study that is related to the learner’s area of expertise. The certificate culminates with a practicum, where the learner is expected to demonstrate an enactment of the tenets of transformative justice in a meaningful and relevant setting. Geared towards working professionals and continuing students, our part-time transformative justice program lets you enhance your existing expertise with a focus on peace and justice. You’ll learn practical peace and justice skills you can apply to any work, relationship or community setting.

Take this program if you are interested in addressing conflict and achieving peace through viable, sustainable methods. You’ll especially like this program if you’ve already completed our peace studies program and want to add a practice-based component to your studies.

FLEXIBLE AND DIVERSE

You’ll get a mixture of classroom learning, independent study and community practice in our program. Expanding on conventional approaches, you’ll learn about alternative perspectives to conflict resolution on interpersonal, community and global levels. Transformative justice teaches two distinct methods:

- How to take the theory and practice of approaches to conflict, including healing, reconciliation and restoring relationships beyond the realm of the criminal justice system.
- Understanding and addressing the root causes of systemic conflict, such as political, economic and social inequality and injustice.

Beginning with a theoretical study of transformative justice, the program leads to a more directed study relating to your individual area of expertise. Your studies will culminate with a practicum experience where you will demonstrate an enactment of transformative justice trends in a meaningful, relevant setting.

Admission Requirements

Students who have successfully completed the equivalent of 60 credits (two years full time) of post-secondary education are eligible to apply. This advanced certificate is particularly of interest to students who have graduated from the Peace Studies Diploma at Selkirk College, to provide a practice-based component to the theoretical tenets of peace studies.

ACCREDITATION:
Advanced Certificate

CAMPUS:
Castlegar Campus

Program Courses

PEAC 203 - INTRODUCTION TO TRANSFORMATIVE JUSTICE: THEORY AND PRACTICE

PEAC 203: Introduction to Transformative Justice: Theory and Practice explores the theory and practice of transformative justice. Themes include retribution, punishment and deterrence; Indigenous approaches to justice; trauma and healing; shame and empathy; community, belonging, forgiveness, and reconciliation. These are explored at a variety of scales, from the interpersonal to the global, and in various contexts – from the Canadian criminal justice system to transitional justice following war, apartheid, or colonial subjugation. Students will gain familiarity with the applied practices of victim-offender mediation, family-group conferencing, peacemaking circles, and truth and reconciliation commissions; and also learn how restorative practices are being used in environmental contexts and in our schools.

Pre-requisites: English 12 or equivalent with a grade of “C” or better, or recommended PEAC 100 and 101.

PEAC 301 - DIRECTED STUDIES IN TRANSFORMATIVE JUSTICE

PEAC 301: Directed Studies in Transformative Justice allows the student to focus on his or her own area of special interest within transformative justice. Following extensive readings supervised by the instructor, the student will develop a proposal for putting new expertise into practice.

Pre-requisites: PEAC 203 or written permission of the Instructor and School Chair.

PEAC 303 - TRANSFORMATIVE JUSTICE PRACTICE

PEAC 303: Transformative Justice Practice is a sequel course to PEAC 301: Directed Studies in Transformative Justice. In this course, the student carries out the proposal developed in PEAC 301 by completing a 90-hour transformative justice practicum or project in the workplace, school or community. (Spring offering only)

Pre-requisites: PEAC 203 and PEAC 301.
PEAC 305 - MEDIATION SKILLS
This intensive week long course provides the student of transformative justice with practical skills in communication, mediation and conflict transformation. The format will be interactive – short lectures, discussions, case studies and role plays. The student will examine the concepts of power, culture, privilege in the context of communication, with a strong emphasis on listening skills.

Pre-requisites: PEAC 203, 301 and 303

Contacts

UNIVERSITY ARTS & SCIENCES ADMISSIONS
Admissions Officer (Castlegar)
Phone: 1.888.953.1133 ext 21233
Direct: 250.365.1233
Email: admissions@selkirk.ca

UNIVERSITY ARTS & SCIENCES
Program Contact
Phone: 1.888.953.1133 ext 21205
Direct: 250.365.1205
Email: UAS@selkirk.ca

TRACY PUNCHARD
School Chair of UAS; Instructor, English
Phone: 1.888.953.1133 ext 21318
Direct: 250.365.1318
Email: tpunchard@selkirk.ca
Unarmed Civilian Peacekeeping (UCP) has demonstrated to be very effective in reducing violence and preventing harm to civilians in situations around the world.

PROGRAM OVERVIEW
UCP involves the use of highly trained peace professionals who use the principles of nonviolence to provide direct physical protection to civilians in a variety of contexts. Some of the strategies used include protective accompaniment, creation of safe spaces, proactive presencing, interpositioning, monitoring and reporting, and relationship building.

This citation program is being offered in collaboration with Nonviolent Peaceforce, a major global organization that employs UCP strategies in several areas, including the Philippines, South Sudan, Myanmar and Colombia.

The program is intended for an international audience, as the first five modules are offered on-line. The sixth or final module will be a two-week workshop occurring at the Mir Centre for Peace at Selkirk College.

LEARNING GOALS OF THE PROGRAM
By the end of the program, students will be able to seek employment among organizations that engage in UCP. Specifically, the program will cover the following material:
- Introduction to Unarmed Civilian Protection
- Unarmed Civilian Protection: Objectives, Principles and Sources of Guidance
- Unarmed Civilian Protection: Key Methods
- Unarmed Civilian Protection in Practice: Preparation and Entrance into the Community
- Unarmed Civilian Protection in Practice: Living in and exiting the community

PROGRAM LENGTH
This is a part-time program that will take one semester to complete. The five on-line modules will each take approximately eight hours each to complete. The sixth module is a two-week in-person workshop, to be held at the Mir Centre for Peace.

FINANCIAL ASSISTANCE AVAILABLE
Selkirk College hopes to offer financial assistance to international students, in order to facilitate their participation in the final module – the two-week workshop on-site at the Mir Centre for Peace.

PRE-REQUISITES
The program will be delivered in English, making proficiency in English a requirement. One year of post-secondary studies, or a minimum age of 21 years is recommended.

WHAT CAN I DO ONCE I GRADUATE?
This citation in UCP will enable you to apply for volunteer and paid positions with organizations that specifically hire unarmed civilian peacekeeping personnel. Additionally, this course is helpful for anyone seeking employment in international humanitarian work, as it prepares students with the skills of cultural awareness, communication and violence de-escalation.

TO REGISTER
Please call 250.365.1208
Join the UCP Database for an interactive map and more on UCP around the world.

Contacts
RANDY JANZEN
Instructor, Peace and Justice Studies, Bachelor of Science in Nursing
Phone: 1.866-301-6601 ext 21288
Direct: 250.365.1288
Email: rjanzen@selkirk.ca
Program Summary

University courses at your doorstep!

The School of University Arts and Sciences offers over 100 university arts and science courses.

- If you earn 60 credits with a GPA of 2.00 or better, then you may be eligible for either a liberal arts and sciences diploma or an associate degree.

- If you earn 60 credits in which the required number of credits meet the flexible pre-major agreement in either anthropology, English, psychology, or sociology, then you can transfer seamlessly into a third year major's program at any BC university, provided that all other entrance requirements are met.

- If you earn 60 credits that meet the requirements of either an associate of arts degree or an associate of science degree, then you can transfer directly into third year at any BC university, provided that all other entrance requirements are met.

- If you are planning to transfer into a professional program, such as dental hygiene, dietetics/nutrition or physiotherapy, then you can meet your first- and second-year course requirements by choosing the appropriate mix of courses offered through the School of University Arts and Sciences.

- If you are planning to transfer eventually into a professional degree program, such as law (eg. LLB, LLM), medicine (MD, MD PhD), business (MBA, PhD), counselling (MA, MC, PhD), engineering (BEng, BE, BSc, BASc; ME, MEng, MSC, MTech; PhD), pharmacy (BSc, PharmD) and more, then you can meet your first- and second-year course requirements by choosing the appropriate mix of courses offered through the School of University Arts and Sciences.

- A bachelor's degree is also typically required to enter master's and doctoral programs within any one particular discipline, such as English, biology, anthropology and sociology.

Contacts

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Admissions Officer (Castlegar)
Phone: 1.888.953.1133 ext 21233
Direct: 250.365.1233
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Program Contact
Phone: 1.888.953.1133 ext 21205
Direct: 250.365.1205
Email: UAS@selkirk.ca

TRACY PUNCHARD
School Chair of UAS; Instructor, English
Phone: 1.888.953.1133 ext 21318
Direct: 250.365.1318
Email: tpunchard@selkirk.ca
Course of Studies - Fundamental
Fundamental level courses help learners build learning and academic skills by integrating materials from a variety of subject areas. All courses are designed to build learner confidence and create a foundation for further learning.

<table>
<thead>
<tr>
<th>PRE GR. 10</th>
<th>Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDCP 02</td>
<td>Education and Career Planning - Fundamental Level On Campus</td>
</tr>
<tr>
<td>CPST 02</td>
<td>Fundamental Computer Studies               On Campus</td>
</tr>
<tr>
<td>SSK 01-06</td>
<td>Skills and Strategies for Learning        On Campus</td>
</tr>
<tr>
<td>LSK 01-06</td>
<td>Language and Writing Skills                On Campus</td>
</tr>
<tr>
<td>RSK 01-06</td>
<td>Reading Skills                            On Campus</td>
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<tr>
<td>MSK 01-06</td>
<td>Fundamental Math                          On Campus</td>
</tr>
<tr>
<td>ESL-ABE 01-03</td>
<td>English as a Second Language in ABE        On Campus</td>
</tr>
</tbody>
</table>

Course of Studies - Intermediate
Courses at the Intermediate level help prepare learners for further study or to complete the Foundation for Work Certificate.

<table>
<thead>
<tr>
<th>GRADE 10</th>
<th>Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 10</td>
<td>English - Intermediate Level              On Campus</td>
</tr>
<tr>
<td>RSS 27</td>
<td>Reading and Study Skills - Intermediate Level On Campus</td>
</tr>
<tr>
<td>MATH 44</td>
<td>Mathematics - Intermediate Level          On Campus</td>
</tr>
<tr>
<td>MATH 46</td>
<td>Mathematics for Trades - Intermediate Level On Campus</td>
</tr>
<tr>
<td>MATH 49</td>
<td>Introductory Algebra - Intermediate Level On Campus</td>
</tr>
<tr>
<td>SCIE 10</td>
<td>Science - Intermediate Level              On Campus</td>
</tr>
<tr>
<td>SOST 10</td>
<td>Social Studies - Intermediate Level       On Campus</td>
</tr>
<tr>
<td>CPST 10</td>
<td>Computer Studies - Intermediate Level     On Campus</td>
</tr>
<tr>
<td>ESL-ABE 49</td>
<td>English as a Second Language - Intermediate Level in ABE On Campus</td>
</tr>
</tbody>
</table>

Course of Studies - Advanced Courses
Courses at the Advanced level (Grade 11 equivalent) help learners get pre-requisites needed for further study and qualify for the BC Adult Graduation Diploma, the "Adult Dogwood."

<table>
<thead>
<tr>
<th>GRADE 11</th>
<th>Name</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 52/53</td>
<td>English - Advanced Level</td>
<td>On Campus</td>
</tr>
<tr>
<td>SOST 52/53</td>
<td>Social Studies - Advanced Level</td>
<td>On Campus</td>
</tr>
<tr>
<td>MATH 52/53</td>
<td>Introductory Algebra - Advanced level</td>
<td>On Campus</td>
</tr>
<tr>
<td>MATH 54</td>
<td>Applied Mathematics - Advanced Level</td>
<td>On Campus</td>
</tr>
<tr>
<td>MATH 56/57</td>
<td>Foundations Mathematics - Advanced Level</td>
<td>On Campus</td>
</tr>
<tr>
<td>CHEM 52/53</td>
<td>Chemistry - Advanced Level</td>
<td>On Campus</td>
</tr>
<tr>
<td>PHYS 52/53</td>
<td>Introduction to Physics - Advanced level</td>
<td>On Campus</td>
</tr>
<tr>
<td>BIOL 52/53</td>
<td>Biology - Advanced Level</td>
<td>On Campus</td>
</tr>
<tr>
<td>CPST 52/53</td>
<td>Computer Studies - Advanced Level</td>
<td>On Campus</td>
</tr>
<tr>
<td>EDCP 50</td>
<td>College Success - Advanced Level</td>
<td>On Campus</td>
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<tr>
<td>ESL-ABE 50</td>
<td>English as a Second Language in ABE</td>
<td>On Campus</td>
</tr>
</tbody>
</table>
Course of Studies - Provincial Courses

Courses at the Provincial level (Grade 12 equivalent) help learners get pre-requisites needed for further study and qualify for the BC Adult Graduation Diploma, the "Adult Dogwood."

<table>
<thead>
<tr>
<th>GRADE 12</th>
<th>Course Name</th>
<th>Level</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>ENGL 65 English: Business and Technical Communication - Provincial Level</td>
<td>On Campus</td>
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<tr>
<td></td>
<td>ENGL 66/67 Essential English - Provincial Level</td>
<td>On Campus</td>
</tr>
<tr>
<td></td>
<td>ENGL 62/63 English - Provincial Level</td>
<td>On Campus</td>
</tr>
<tr>
<td></td>
<td>SOST 60 Social Studies: Introduction to Psychology - Provincial Level</td>
<td>On Campus</td>
</tr>
<tr>
<td></td>
<td>HIST 62/63 History - Provincial Level</td>
<td>On Campus</td>
</tr>
<tr>
<td></td>
<td>BIOL 62/63 Biology - Provincial Level</td>
<td>On Campus</td>
</tr>
<tr>
<td></td>
<td>MATH 62/63 Algebra and Trigonometry - Provincial Level</td>
<td>On Campus</td>
</tr>
<tr>
<td></td>
<td>CHEM 62/63 Chemistry - Provincial Level</td>
<td>On Campus</td>
</tr>
<tr>
<td></td>
<td>PHYS 62/63 Physics - Provincial Level</td>
<td>On Campus</td>
</tr>
<tr>
<td></td>
<td>EDCF 60 Education and Career Planning - Provincial Level</td>
<td>On Campus</td>
</tr>
<tr>
<td></td>
<td>EDSS 60 Student Success - Provincial level</td>
<td>On Campus</td>
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<tr>
<td></td>
<td>CPST 62/63 Computer Studies - Provincial Level</td>
<td>On Campus</td>
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<tr>
<td></td>
<td>IFA 60 Indigenous Fine Arts</td>
<td>On Campus</td>
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Admission Requirements

Admission to Academic Upgrading is open to anyone.

- Fully qualified students must be 19 years of age or over at the time of registration and must be considered by the instructor to be capable of succeeding in college courses.
- Partially qualified students under 19 years of age must have the written recommendation from a secondary school principal and the instructor must be satisfied that students can perform in an adult environment.
- Please check with the instructors at each Academic Upgrading centre to determine availability.
- Most centres provide some evening upgrading classes.

**FUNDAMENTAL UPGRADING**

- These courses are designed to help adults with upgrading to the end of Grade nine.
- Students work on independent programs and may choose the subject area and hours per week of class.
- Instruction is available in reading, writing, spelling, science, computer skills and mathematics.

**INTERMEDIATE UPGRADING**

- The courses at this level help adults upgrade to Grade 10 equivalence.
- Instruction is available in English, mathematics, sciences, computer studies and social studies.
- Students may choose to take some or all of the subjects.

**ADVANCED UPGRADING**

- The courses are roughly equivalent to the Grade 11 level.
- Completing this level fulfills the requirements for entry to many trades and other college programs.
- Mathematics, sciences, computer studies and English courses are available at most centres.

**PROVINCIAL UPGRADING**

- At this level, the BC Ministry of Advanced Education, grants a formal, provincially recognized certificate which is the equivalent, for adults, of high school graduation.
- Courses at this level in mathematics, sciences, social studies, and English are available at most centres.
- Students may elect to take one or more courses, or work toward certification.

BC ADULT GRADUATION DIPLOMA "THE ADULT DOGWOOD"

This common credential was introduced in September 1999. To be eligible to graduate from this program, adult students (18-years-old or over) must earn at least 20 credits in the secondary system or five courses in the post-secondary system.

Application Information

**HOW TO APPLY:**

- Step One: Contact Academic Upgrading Advisor intake coordinator at a campus near you.
- There are no admission requirements, everyone is welcome.
- If you want to get started, fill out a general application form and then get in touch with an Upgrading representative near you.

If you have any questions regarding the application process, contact Kate Nott by email or call 250.354.3230.

Program Courses

**BIOL 52/53 - BIOLOGY - ADVANCED LEVEL**

This course introduces students to biology: the study of living organisms and life processes. Topics include the diversity of life, plant and animal cells, ecology, and evolution, exploring concepts in the lab and in the field. Building upon life experiences, students improve their understanding of the natural world and their role in it. The course is designed to build laboratory and field skills, scientific communication skills, and critical thinking skills. This course prepares the student for further studies in biology, natural resources and earth sciences. Biology 52/53 is equivalent to Biology 050, and each is equivalent to Biology 11.

**Pre-requisites:** ENGL 52/53 or equivalent skills. A strong science background is recommended.

**BIOL 62/63 - BIOLOGY - PROVINCIAL LEVEL**

This course provides an introduction to cell biology and human physiology. Topics covered cell biology, mitosis and meiosis, bioenergetics, homeostasis genetics, respiration excretion, bones and muscles, nerves and immunity. This course is designed to build laboratory and field skills, scientific communication skills and critical thinking skills. Upon completion, students are prepared for post-secondary studies in biology, physiology and health sciences. This course qualifies for the BC Adult Graduation Diploma. Biology 62/63 is equivalent to Biology 051, and each is equivalent to Biology 12.
CHEM 52/53 - CHEMISTRY - ADVANCED LEVEL
Advanced Chemistry is a course for students with little or no previous experience in chemistry. Topics covered include basic chemical properties, principles and procedures, nomenclature, and chemical reactions, acids and bases, and an introduction to organic chemistry. Lab experiments provide an opportunity to work with standard lab ware and apparatus, observe a variety of chemical compounds and reactions, and perform some quantitative measurements. Upon completion of Chemistry 52/53, students are ready to enter either Chemistry 62/63 - Provincial level or further post-secondary studies in chemistry. Equivalent Courses: Chemistry 52/53 is equivalent to Chemistry 050, and each is equivalent to Grade 11 chemistry.

Pre-requisites: MATH 49. Corequisites: MATH 52/53 should be taken concurrently.

CHEM 62/63 - CHEMISTRY - PROVINCIAL LEVEL
Chemistry is a study of practical chemistry intended for students preparing for post-secondary science studies. Topics include reaction kinetics, equilibrium, acid-base reactions, oxidation-reduction, and gas laws. The lab portion of this course develops skills in laboratory safety, chemistry lab procedures and techniques, data collection, analysis, and scientific communication. Upon completion of this course, students are ready to enter further post-secondary studies in chemistry. This course qualifies for the BC Adult Graduation Diploma. Chemistry 62/63 is equivalent to Chemistry 12.

Pre-requisites: Chemistry 52/53, Math 52/53 or equivalents. *For optimal success in this course a grade of C+ or higher is recommended.

CPST 02 - FUNDAMENTAL COMPUTER STUDIES
This course introduces students to beginning computer skills, such as using a mouse, keyboarding, working with files in Windows, basic word processing, file sharing, internet use, and digital photography. By learning about how computers operate and practicing different applications, students gain confidence and familiarity with basic computer use. Courses can be instructor-led or self-paced, depending on the location and time. Upon completion of Fundamental Computers, students are ready to enter an Intermediate (Grade 10) level computer studies course.

CPST 10 - COMPUTER STUDIES - INTERMEDIATE LEVEL
This course introduces adult learners to the use of computers in everyday life. Students learn the basics of how computers work, file management in Windows, intermediate word processing with Word, internet research and report writing, basic spreadsheets with Excel, presentations with PowerPoint, online file sharing, using digital images, and keyboarding.

CPST 52/53 - COMPUTER STUDIES - ADVANCED LEVEL
This course is an introduction to word processing using Word, spreadsheets using Excel, and databases using Access. Students will learn about computer security (viruses, and other malware) and critical thinking as applied to computers. Practical exercises and projects are used to apply new concepts throughout the course, including an internet research report project. Upon completion of Computer Studies 52/53, students are ready to enter Computer Studies 62/63 - Provincial level or further post-secondary studies in office or business administration or computer applications. Equivalent Courses: Computer Studies 52/53 is equivalent to Computers 11.

Pre-requisites: CPST 10 and ENGL 10 or equivalent skill level.

CPST 62/63 - COMPUTER STUDIES - PROVINCIAL LEVEL
Computer Studies is intended to build communication, multimedia and internet skills. Students will search for information, select for relevance, and then publish this information using desktop publishing and Web page authoring. Graphical design principles are emphasized throughout this course. Multimedia publishing involving video capture and streaming audio/video are also included. Selected topics of interest to students can include advanced spreadsheets, database, networking, and online technologies. Upon completion of this course, students are prepared for post-secondary studies in multimedia. This course qualifies for the BC Adult Graduation Diploma. Equivalent Courses: Computer Studies 62/63 is equivalent to Computer Studies 12.

Pre-requisites: CPST 52/53 or equivalent skill level.

EDCP 02 - EDUCATION AND CAREER PLANNING – FUNDAMENTAL LEVEL
The goal of Career Planning is to enhance the life and employment readiness skills of adult learners. This course helps students to develop a set of core skills to help them meet their personal, career, and educational goals. Topics covered include exploration of personal qualities, communication skills, email etiquette and safety, working with others, problem solving and decision-making, education and career planning, goal setting, and personal finances.

EDCP 50 - COLLEGE SUCCESS - ADVANCED LEVEL
This course helps students to succeed by developing a set of core skills to help them meet their personal, career, and educational goals. Topics covered include communication, career exploration, educational planning, study skills, time & stress management, interpersonal/personal skills, job preparation, living skills, diversity and critical thinking.

EDCP 60 - EDUCATION AND CAREER PLANNING - PROVINCIAL LEVEL
Education and Career Planning is intended to enhance skills for further education and employment. Topics include communication, career exploration, study skills, time and stress management, job preparation, educational planning, diversity and critical thinking. This course qualifies for the BC Adult Graduation Diploma.

Pre-requisites: EDCP 50 or equivalent skill level.

EDSS 60 - STUDENT SUCCESS – PROVINCIAL LEVEL
The goal of EDSS 60: Student Success is to develop the learning skills, study strategies and self-awareness necessary for students to experience success as life-long learners. This course qualifies for the BC Adult Graduation Diploma.

ENGL 10 - ENGLISH - INTERMEDIATE LEVEL
This course is for adults who have completed the six levels of Fundamental English. Here, reading skills are developed in conjunction with critical thinking, writing, speaking, and listening skills. Students should read to understand periodicals, reports, technical materials, and/or literature. Upon completion of English 10, students are ready to enter either English 52/53 - Advanced level or English 66 – Provincial level.

ENGL 52/53 - ENGLISH - ADVANCED LEVEL
English 52/53 is a reading and writing course which focuses on critical and creative thinking, oral and written communication, reading, research, and cooperative learning. This course is designed to help students become natural, confident communicators. Discussions and activities cover a diversity of topics, which include: pre-writing strategies, essay development, summarizing, critical reading, plagiarism, grammar, and dictionary use. Equivalent Courses: English 52/53 is equivalent to English 11.

Pre-requisites: English 10 or equivalent skill level.
ENGL 62/63 - ENGLISH - PROVINCIAL LEVEL
This course uses the study of Canadian literature to develop academic English reading, writing, research, critical thinking and communications skills. Various works of short fiction, poetry, plays and a novel are explored through discussion and analysis, while academic essay skills are developed throughout the course. Upon completion of this course, students are prepared for academic post-secondary studies. This course qualifies for the BC Adult Graduation Diploma. English 62/63 is equivalent to English 051, and each is equivalent to English 12.

Pre-requisites: ENGL 52/53 or equivalent skills.

ENGL 65 - ENGLISH: BUSINESS AND TECHNICAL COMMUNICATION - PROVINCIAL LEVEL
This course focuses on students’ writing skills to help them succeed in academic or technical programs or to help prepare them for the workplace. Because of the emphasis on workplace communications, research, and report writing, it is often recommended for students entering technical career fields. This course concentrates on reading, evaluating, and writing a variety of business and technical documents and includes a grammar review essential for successful business writing. This course qualifies for the BC Adult Graduation Diploma; however, students should confirm its acceptability as a pre-requisite for post-secondary studies.

Pre-requisites: ENGL 52/53 or equivalent skills.

ENGL 66/67 - ESSENTIAL ENGLISH - PROVINCIAL LEVEL
Essential English develops practical skills in reading, writing and communicating. These skills will enable students to perform the tasks required by their occupation and other aspects of daily life. Upon completion of this course, students are prepared for entry to Selkirk College’s Health Care Aide program. This course qualifies for the BC Adult Graduation Diploma, but it is not recommended for entry into most post-secondary education programs. Equivalent Courses: Communications 12.

Pre-requisites: ENGL 10 or equivalent skills.

ESL-ABE 01-03 - ENGLISH AS A SECOND LANGUAGE IN ABE
This course helps students new to the English language build speaking, reading, and writing skills from beginner level through to advanced level. These courses may not be offered at all centres. Call to discuss course availability in Castlegar, Grand Forks, Kaslo, Nakusp, Nelson, and Trail.

ESL-ABE 49 - ENGLISH AS A SECOND LANGUAGE - INTERMEDIATE LEVEL IN ABE
This course helps ESL students expand their vocabulary, improve reading and writing skills and expand their comprehension of English. In the class, discussion groups help develop listening and conversation skills, while practicing composition helps develop grammar and self-expression. This course may not be offered at all centres. Call to discuss course availability in Castlegar, Grand Forks, Kaslo, Nakusp, Nelson, and Trail.

ESL-ABE 50 - ENGLISH AS A SECOND LANGUAGE IN ABE - ADVANCED LEVEL
English as a Second Language in ABE introduces ESL students to basic essay writing. Topics also include reading and study skills, vocabulary development, oral participation and listening and note-taking skills. Upon completion of English as a Second Language in ABE, students are ready to enter ABE English courses at the level recommended by their instructor. This course may not be offered at all centres. Call to discuss course availability in Castlegar, Grand Forks, Kaslo, Nakusp, Nelson, and Trail.

Pre-requisites: ESL ABE 49 or equivalent skill level.

HIST 62/63 - HISTORY - PROVINCIAL LEVEL
This history course examines the major social, economic and political movements from the late 1900’s into the 21st century. Students develop an understanding of global events, from war to social movements to economic crises as presented through text, video and lecture/discussion. Students learn how global issues are interconnected geographically and politically. Skills to analyze events and to write brief synopses for presentations are developed. This course prepares students for further studies in social sciences at the post-secondary level. This course qualifies for the BC Adult Graduation Diploma. History 62/63 is equivalent to History 12.

Pre-requisites: NGL 52/53 or equivalent skills.

IFA 60 - INDIENOUS FINE ARTS
Under the guidance and mentorship of local Elders, artists and facilitators, and drawing on the collective knowledge of the participants, the course will explore topics including: colonization, reconciliation, traditional knowledge, and identity how these concerns manifest physically and aesthetically in contemporary art practices. Students will become more aware of Indigenous peoples and their ways of knowing, their relationship with community and the land, their history before and after European contact in an arts-based teaching and learning environment. The curriculum will be developed in collaboration with the local Indigenous communities; will incorporate traditional and contemporary Indigenous arts and traditional art-making processes; will acknowledge that art is a reflection of traditional and contemporary Indigenous culture and worldviews; and will address ethical considerations and protocols related to the Indigenous arts.

Pre-requisites: English Grade 11 equivalency.

LSK 01-06 - LANGUAGE AND WRITING SKILLS
This course is for adults who have had some practice with the printed word. It is designed to meet the basic reading skills of learners and to help students gain the skills to cope well in personal, work and education situations. Throughout the six levels of Fundamental English, students will improve their reading and writing. Students begin at the level that is right for them. Upon completion of Fundamental English, students are ready to enter an Intermediate (Grade 10) level English course.

MATH 44 - MATHEMATICS - INTERMEDIATE LEVEL
Intermediate Mathematics provides a solid foundation in number operations. Topics include estimation, measurement, fractions, ratio and proportion, percent, geometry, statistics, signed numbers, exponents, algebra. This course is a terminal math course; students looking for a Trades prerequisite need Math 46 and students looking for an algebra pre-requisite need Math 49.

Pre-requisites: Meet with an ABE instructor to find out where to begin in math.

MATH 46 - MATHEMATICS FOR TRADES - INTERMEDIATE LEVEL
This math course provides a solid foundation in number operations. Topics include estimation, measurement, fractions, ratio and proportion, percent, geometry, statistics, signed numbers, exponents, algebra, trigonometry, graphing and polynomials. This course prepares students for most trades programs or to take Math 56/57 Foundations Mathematics – Advanced Level.

MATH 49 - INTRODUCTORY ALGEBRA - INTERMEDIATE LEVEL
Math 49: Intermediate Algebra. Intermediate Algebra provides an introduction to algebra. Topics include measurements, ratios, proportions and percents, equations and inequalities, polynomials, rational expressions, and graphing linear equations. A brief introduction to trigonometry completes this course. This course prepares students for Math 52/53.

Pre-requisites: Meet with an Upgrading instructor to find out where to begin in math.
MATH 52/53 - INTRODUCTORY ALGEBRA – ADVANCED LEVEL
Introductory Algebra – Advanced level is for students to upgrade their skills in mathematics. This course covers the following topics: algebraic skills review, solving and graphing linear equations and inequalities, relations and functions, systems of linear equations and inequalities, operations with polynomials and polynomial functions, rational expressions and equations, radical expressions and equations, quadratic equations and functions, and an introduction to trigonometric functions. Upon completion of Math 52/53, students are ready to enter Math 62/63 (Pre-calculus 12 equivalent) or non-science or career post-secondary programs. This course qualifies for the BC Adult Graduation Diploma. This course is the equivalent to Math 050, and each is equivalent to Pre-calculus 11.

Pre-requisites: Math 49 or equivalent skill level *For optimal success a Grade of C+ is recommended.

MATH 54 - APPLIED MATHEMATICS – ADVANCED LEVEL
This is a math course with an applied focus designed for those planning to enter the workforce or take vocational or technical training in the future. An initial review of equations, inequalities and graphing is followed by selected topics covering both consumer and technical math. This course qualifies for the BC Adult Graduation Diploma. Equivalent Courses: Math 54 is similar to Applications and Workplace Math 11

Pre-requisites: Math 46 or equivalent skill level.

MATH 56/57 - FOUNDATIONS MATHEMATICS - ADVANCED LEVEL
Foundations Math is designed for students interested in gaining entry to some non-science career programs and/or earning credit for their Adult Dogwood Diploma. Topics include financial math, measurement, algebra, geometry, probability, statistics, logical reasoning, and trigonometry. This course qualifies for the BC Adult Graduation Diploma. Equivalent Courses: Math 56/57 is equivalent to Foundations Math 11

Pre-requisites: Math 46 or equivalent skill level.

MATH 62/63 - ALGEBRA AND TRIGONOMETRY - PROVINCIAL LEVEL
Algebra and Trigonometry is intended to prepare students for academic or technical post-secondary studies in mathematics, engineering or science. This course covers the following topics: review of basic algebra, functions and graphs including transformations, polynomial and rational functions, exponential and logarithmic functions, trigonometric functions, identities and equations, and arithmetic and geometric sequences and series. This course prepares students for further studies in math and sciences at the post-secondary level. This course qualifies for the BC Adult Graduation Diploma. This course is the equivalent to Math 051 and each is equivalent to Pre-calculus 12.

Pre-requisites: MATH 52/53 or equivalent.

MSK 01-06 - FUNDAMENTAL MATH
This course begins with a review of whole number operations and moves on to explore primes and multiples, fractions and mixed numbers, decimals, ratio and proportion, percent, measurement, geometry, signed number applications and exponents. Throughout the six levels of Fundamental Mathematics, students will improve their math skills. Students begin at the level that is right for them. Upon completion of Fundamental Math, students are ready to enter an Intermediate (Grade 10) level Math course.

PHYS 52/53 - INTRODUCTION TO PHYSICS – ADVANCED LEVEL
Introduction to Physics is the study of the fundamental laws of nature. This physics course aims to foster and develop, as part of general education, a scientific way of thinking and a basic knowledge of scientific ideas. Numerical examples and derivation of formulae will be algebra-based. The course will also foster understanding of science as an integral part of society’s culture and provide groundwork for further academic or career training. Physics 52 and 53 together are equivalent to Physics 050 and each is equivalent to Physics 11.

Pre-requisites: Principles of Math 10 or Foundations and Pre-Calculus 10 or Math 49 Pre-Calculus 11 or Math 050 or Math 52/53.

PHYS 62/63 - PHYSICS - PROVINCIAL LEVEL
Physics is intended for students preparing for post-secondary science studies. This course explores the nature, scope, relevance and limitations of physics. Core topics include two-dimensional kinematics and dynamics, electrostatics, electromagnetism, waves, and optics. Optional topics include fluids, DC and AC circuits, electronics, special relativity, quantum physics, and nuclear physics. Upon completion of this course, students are ready to enter further post-secondary studies in physics. This course qualifies for the BC Adult Graduation Diploma. Physics 62/63 is equivalent to Physics 12.

Pre-requisites: PHYS 52/53 and MATH 52/53 or equivalents MATH 62/63 or equivalents.

RSK 01-06 - READING SKILLS
This course is for adults who have had some practice with the printed word. It is designed to meet the basic reading skills of learners and to help students gain the skills to cope well in personal, work and education situations. Throughout the six levels of Fundamental English, students will improve their reading and writing. Students begin at the level that is right for them. Upon completion of Fundamental English, students are ready to enter an Intermediate (Grade 10) level English course.

RSS 27 - READING AND STUDY SKILLS - INTERMEDIATE LEVEL
This course is a guided tutorial in reading and study skills. Students meet with an instructor to determine what they need to learn, and together they create a plan for the student to meet their goals. Instructors will provide materials to help the student meet their learning needs. This course can be used to support learning in another course or on its own.

SCIE 10 - SCIENCE - INTERMEDIATE LEVEL
Science 10 introduces adult learners to the study of science in general, the scientific method, and to the three major areas of scientific study: biology, chemistry and physics. One additional topic, such as astronomy, geology, nutrition, infectious diseases, or disabilities is included. Hands-on experiments in each area of study develop science laboratory techniques and skills while increasing understanding of course topics. Science 10 prepares students for courses in biology, physics, and chemistry at the Advanced (52/53) level.

SOST 10 - SOCIAL STUDIES - INTERMEDIATE LEVEL
This course introduces adults to social science in a Canadian context. Topics include history, cultural diversity, the role of First Nations, economics and Canadian government, law, and citizenship. This course provides a solid foundation for understanding Canadian society.

SOST 52/53 - SOCIAL STUDIES - ADVANCED LEVEL
SOST 52/53 focuses on the emergence of Canada as an autonomous nation before World War I and changes in the Canadian identity up to the present day. Additional topics include the government of Canada and Canadian political trends as well as an analysis of global issues and how these affect Canadians. The course aims to advance the learner toward five goals: global citizenship, broadened perspectives, critical thinking skills, analysis of values, and lifelong learning skills. This course qualifies toward a BC Adult Graduation Diploma. SOST 52/53 is equivalent to Social Studies 11.

Pre-requisites: ENGL 10 or equivalent skills.
SOST 60 - SOCIAL STUDIES: INTRODUCTION TO PSYCHOLOGY - PROVINCIAL LEVEL

Introduction to Psychology is intended to provide an exploration of the foundations of modern psychology. Topics include emotion, perception, personality, intelligence, motivation, learning and memory. The importance of heredity, culture, gender, and age on psychological health is investigated. Current psychological research is incorporated throughout the course. This course prepares students for further studies in social sciences at the post-secondary level. This course qualifies for the BC Adult Graduation Diploma. SOST 62/63 is equivalent to Psychology 12.

Pre-requisites: ENG 50 or approval from the instructor.
*For optimal success in this course a grade of C+ or higher is recommended.

SSK 01-06 - SKILLS AND STRATEGIES FOR LEARNING

This course is for adults who have had some practice with the printed word. It is designed to meet the basic reading skills of learners and to help students gain the skills to cope well in personal, work and education situations. Throughout the six levels of Fundamental English, students will improve their reading and writing. Students begin at the level that is right for them. Upon completion of Skills and Strategies for Fundamental Learning, students are ready to enter an Intermediate (Grade 10) level Education and Career Planning course.

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WELDING

Program Summary
The Industry Training Authority (ITA) in the province of BC currently recognizes and supports two streams for welder training, Modular and Apprenticeship. The Modular stream is for welders who do not have an employer sponsor and consists of the Foundation program (28 wks), the Welder B program (16 wks) and the Welder A program (8 wks).

The Apprenticeship stream is for those who are indentured by an employer sponsor. The apprenticeship consists of Levels 1, 2 and 3 technical training and a fourth level called Multi-Process Alloy Welding (MPAW).

WELDER FOUNDATION (FORMERLY C-LEVEL WELDING)
Regardless of the training model or stream that you want to follow, you can start with Welder Foundation and eventually achieve Inter-Provincial (Red Seal) Welder certification. Welder Foundation graduates will receive 300 hours of credit towards the work-based experience that is required for certification in either the Modular or the Apprentice stream. Those following the Apprenticeship stream will receive credit for Level 1 and Level 2 apprentice technical training and return to school as a Level 3 apprentice.

Note that apprentices do not have to take the Foundation program. An employer can indenture an apprentice if they have not taken the Welder Foundation program. These apprentices will receive training on the job from their employer and start their in-school technical training at Level 1.

Welder Foundations a 28-week introductory course that prepares learners for entry level positions as apprentice welders in most sectors of the economy including manufacturing, construction, transportation, resource extraction, and resource development. Students engage in a variety of classroom and work-based learning activities. In the classroom, they learn theoretical principles of welding. Shop sessions provide the opportunity to learn processes and master practical welding skills.

Students engage in a variety of classroom and shop activities. They will learn basic welding procedures including Oxy-fuel Gas Cutting, Shielded Metal Arc Welding, Gas Metal Arc Welding/Flux Cored Arc Welding, basic Blueprint Reading and basic Metallurgy.

MODULAR STREAM
Welder Foundation graduates who wish to follow the Modular stream will look for work as an entry level welder and obtain an additional 700 hours of work-based experience for a total of 1,000 hours before returning to the Welder B program. Those on the Modular stream are not required to be indentured to their employer.

WELDER B
The 16 week Welder B program offers more advanced training on the topics in the Foundation program and also includes training in: Tungsten Arc Welding; and Pipe Welding. Upon successful completion of Welder B and 950 work-place hours, Welders receive a Certificate of Qualification as a B Welder and the B Stamp in their logbook from the Industry Training Authority (ITA). At the end of the Welder B program students will write the Inter-Provincial (Red Seal) Welder exam. Upon passing the Interprovincial exam and the accumulation of 4,500 work-place hours, Welders receive Red Seal, Interprovincial certification.

WELDER A
The Welder A program is 8 weeks long and is for those wishing to gain more advanced skills in pipe, metallurgy, low-alloy electrodes etc. With successful completion of this program and 3,450 work-place hours Welders receive the Certificate of Qualification as an A Welder and the A Stamp in their logbook from the ITA.

APPRENTICESHIP STREAM
Graduates of the Welder Foundation program earn advance credit for Levels 1 and 2 of the Technical Training component of the Welder Apprenticeship. Additionally, they earn 300 hours credit towards the Workplace-Based Training component of their apprenticeship. After completion of the program, it’s recommended that students gain another 2,700 hours of hands-on field experience before returning to school for Level 3 Technical Training.

Levels 1(8 weeks) and Level 2(8 weeks) Technical Training in the apprenticeship stream covers similar topics as in the Foundation program. The apprenticeship stream assumes that the apprentice is receiving training on the job so the in-school portion of their training is shorter.

Level 3Welding is an 10-week program (11-weeks due to ITA Harmonization) for indentured apprentices who have 3,000 hours or more of Workplace-Based Training. Content is similar to Welder B. The apprenticeship stream assumes apprentices are being focused training on the job and so the in-school technical training is only 10 weeks long plus one week due to Harmonization (see link above) . Upon completion of Level 3 Welding, students receive a Certificate of Qualification as an A Welder and the A Stamp in their logbook. Those with a passing grade on the Red Seal exam and 4,500 hours of Workplace-Based Training earn the Inter-Provincial (IP) Red Seal Standard.

Multi-Process Alloy Welding (MPAW) is a 5 week program that covers material similar to Welder A. Upon successful completion of the MPAW program and a further 900 hours of work-place hours Welders earn the MPAW endorsement and an MPAW Stamp will be placed in their logbook by the ITA.

Multi-Process Alloy Welding is a 5-week, post-apprenticeship, shop-based program for certified welders who wish to expand their skill sets, gain advanced certification, and enhance career opportunities. Admission is restricted to indentured IP-certified welders. Upon completion of the program, successful completion of a standardized exam, and 5,400 hours of field experience, a “Multi-Process Alloy Welding” will be affixed to the welder’s existing Certificate of Qualification.

UPGRADER WELDING
Upgrader Welding is a self-paced, competency-based training program sanctioned by the Canadian Welding Bureau (CWB) and the American Society of Mechanical Engineers (ASME) for welders seeking specific ASME trade endorsements. Selkirk College is authorized to grant ASME certifications to welders who demonstrate competence in specific processes. CWB testing is currently not available at Selkirk College.

Length of Study:
7 Months

Accreditation:
Certificate

Campus:
Silver King Campus, Nelson
WELDING FOUNDATION (FORMERLY C LEVEL)
The Level C Welder program is seven months of training which provides you with theory and practical skills preparing you for the growing workforce. Through one-on-one shop time, theory and practical hands-on training, you will gain entry level knowledge of Welder job requirements.

B LEVEL WELDING
Approximately four months training plus eight months work experience are required for your B Level training. Selkirk College offers a series of competency-based courses on a continuous basis from September to May. Due to the wide scope of these courses, an interview with the appropriate instructor before registering is strongly recommended.

- Successful completion of C Level Welding program including C Level Endorsement Stamp
- Minimum of five months work experience as a Welder
- Students must supply some hand tools and purchase B Level module texts at a cost of approximately $100.
- An interview with the instructor prior to registering is strongly recommended.

Students are required to have C Level module texts in addition to above.

A LEVEL WELDING
Approximately two months training plus ten months work experience are required for your A Level training. Selkirk College offers a series of competency-based courses on a continuous basis from September to May. Due to the wide scope of these courses, an interview with the appropriate instructor BEFORE registering is strongly recommended.

- Successful completion of B Level Welding program including B Level Endorsement Stamp
- Minimum of eight months work experience as a Welder
- Students must supply some hand tools and purchase A Level module texts at a cost of approximately $50.
- An interview with the instructor prior to registering is strongly recommended.

Students are required to have C and B Level module texts in addition to above.

READY TO APPLY?
- Please make sure you meet all admission requirements, including the general admission requirements for the college.
- International Students (students who are applying to Selkirk College from locations outside of Canada) should follow the application steps required by Selkirk International.

Careers
Graduates of each level of training have a variety of employment opportunities.

Nearly every industry, union agency and manufacturing facility employs welders, not only in BC and Canada, but worldwide (for those who love to travel). For students interested in obtaining the A Level and several pressure tickets, the top end of the salary scale can exceed $100,000 per year. Most medium to large companies use a welding process in one or more departments. This training provides the means of entry into management, technical services, engineering, fabrication, machining, mechanical, maintenance, inspection and quality control and more.

Contacts
TRADES ADMISSIONS
Registration Contact
Phone: 1.888.953.1133 ext 13204
Direct: 250.354.3204
Fax: 250.352.3180
Email: trades@selkirk.ca

INDUSTRY AND TRADES
Program Contact
Phone: 1.888.953.1133 ext 13221
Direct: 250.354.3221
Fax: 250.352.3180
Email: trades@selkirk.ca

ROB SCHWARZER
School Chair
Phone: 250.352.6601 ext 13212
Direct: 250.354.3212
Email: rschwarzer@selkirk.ca
Program Summary

WHY WOMEN'S STUDIES?
Women's studies courses provide a unique perspective on the world and your place in it. You will have the opportunity to explore categories such as, gender, class, race and sexual orientation and how these interact with the world around you.

CAREER POTENTIAL
Courses in women's studies will provide you with knowledge applicable in many careers.

– Child life specialist
– Community worker
– Social worker
– Family support worker
– Educator
– Researcher
– Policy analyst
– Lawyer

Admission Requirements

Admission to the program requires the completion of English 12 with a grade of "C" or better or written permission of the instructor and School Chair. Other prerequisites depend on the electives chosen to complete the program and should be determined with the advice of a Selkirk College counsellor.

If you are a student who lacks the admission requirements, you may still gain entry to the program by taking a combination of upgrading and university courses in your first year. This may extend the length of your program.

Program Courses

Selkirk College offers the following elective courses in women's studies. These courses are transferable to a variety of post-secondary institutions. Course requirements vary among post-secondary institutions. We advise that you plan your program with a UAS School Chair for information on transferability.

WS 100 - WOMEN'S STUDIES I
Women's Studies 100 is an interdisciplinary course designed to introduce students to the study of women in global cultures as portrayed through literature and sociological studies. Topics to be covered include the women's movement, sexuality, "herstory", gender roles, philosophy and law.

Pre-requisites: English 12 with a grade of "C" or better or written permission of the Instructor and School Chair.

WS 101 - WOMEN'S STUDIES II
A continuation of Women's Studies 100, WS 101 is an interdisciplinary course designed to expand on the study of women in global cultures as portrayed through literature and sociological studies; however, students do not need WS 100 as a prerequisite. Topics to be covered include women and religion, violence, health and reproductive technologies, and inequality in paid and unpaid labour.

Pre-requisites: English 12 with a grade of "C" or better or written permission of the Instructor and School Chair.
Program Summary

Are you interested in advancing your career?

PROGRAM OVERVIEW
Advance your career and build upon the strengths and credentials you already have with our advance certificate in Workplace Communications.

CONSIDER THIS PROGRAM IF YOU CURRENTLY HAVE:
– An entry-level trade certificate
– Plant Operator certificate
– An associate degree (any discipline)
– University degree (any discipline)
You'll get fundamental communications training with an emphasis on interpersonal and professional workplace communications skills specifically, written, oral and behavioural.

Admission Requirements

Admission to the program requires the completion of English 12 with a grade of "C" or better or written permission of the Instructor and School Chair. Other prerequisites depend on the electives chosen to complete the program and should be determined with the advice of a Selkirk College counsellor. If you are a student who lacks the admission requirements, you may still gain entry to the program by taking a combination of university courses in your first year. This may extend the length of your program.

Courses & Fees

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<thead>
<tr>
<th>SEMESTER</th>
<th>Course</th>
<th>Name</th>
<th>Credit</th>
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<tbody>
<tr>
<td></td>
<td>TWC 164</td>
<td>Introduction to Report and Letter Writing</td>
<td>3</td>
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<td></td>
<td>TWC 165</td>
<td>Oral Presentations and Skills Training</td>
<td>3</td>
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<td></td>
<td>PEAC 101</td>
<td>Peace Studies II</td>
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<td>HSER 174</td>
<td>Interpersonal Communications</td>
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<td><strong>Total</strong></td>
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<td><strong>12</strong></td>
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Program Courses

HSER 174 - INTERPERSONAL COMMUNICATIONS
HSER 174: Interpersonal Communications provides the student with an opportunity to examine personal goals, values and attitudes; develop and practice listening and responding skills, and become more aware of personal strengths and limitations. This course is designed to help students gain self-understanding in order to be more effective in working with people.

PEAC 101 - PEACE STUDIES II
PEAC 101: Peace Studies II is the second of two introductory core courses in Peace Studies at Selkirk College. This course will focus on traditional and non-traditional approaches to Conflict Resolution. Students will be introduced to general principles and key concepts in arbitration, negotiation, mediation and nonviolent resistance; as well as alternative dispute resolution methods, such as Nonviolent Communication, Peacemaking Circles, Conflict Transformation, and Conflict Free Conflict Resolution. Students will practice identifying, analyzing, role playing, mapping, and peacefully resolving or transforming conflicts that range from the interpersonal to the international.

Pre-requisites: English 12 with a grade of "C" or better, or written permission of the Instructor and School Chair. PEAC 100 recommended.

TWC 164 - INTRODUCTION TO REPORT AND LETTER WRITING
TWC 164: Introduction to Report and Letter Writing is an introduction to the fundamentals of effective written communication. Components include communication theory and its application to business situations. Students are required to master basic English writing skills and show competence in producing conventional technical formats, such as memoranda, business letters, short or informal reports, résumés and cover letters.

Pre-requisites: ENGL 12 with a grade of "C+" or better, or LPI score of Level 4 or higher.

Contacts

UNIVERSITY ARTS & SCIENCES ADMISSIONS
Admissions Officer (Castlegar)
Phone: 1.888.953.1133 ext 21233
Direct: 250.365.1233
Email: admissions@selkirk.ca

UNIVERSITY ARTS & SCIENCES Program Contact
Phone: 1.888.953.1133 ext 21205
Direct: 250.365.1205
Email: UAS@selkirk.ca

TRACY PUNCHARD
School Chair of UAS; Instructor, English
Phone: 1.888.953.1133 ext 21318
Direct: 250.365.1318
Email: tpunchard@selkirk.ca
Workplace Readiness

ACCREDITATION:
Certificate

CAMPUS:
Castlegar Campus

- CHEMISTRY REQUIREMENT:
CHEM 110 OR CHEM 122
Students requiring first-year chemistry have a choice of Chemistry 110 or Chemistry 122.
– CHEM 110: Fundamentals of Chemistry
– CHEM 122: General Chemistry I

COMM 220 - PRINCIPLES OF ORGANIZATIONAL BEHAVIOUR
The Business Administration Principles of Organizational Behaviour course is an introduction to the behaviour, relationships, and performance of individuals and groups in work organizations as well as the nature of organizational structure and processes. Organizational dynamics are examined with a view to creating an effective working environment from a human perspective.

Pre-requisites: Accepted to the Business Administration Program

MATH 125 - BUSINESS MATHEMATICS
MATH 125: Business Mathematics is intended for first year students enrolled in the Business Administration program. It stresses the mathematics required in financial processes. The course starts with a review of basic arithmetic and algebra. With these skills the student will solve several practical business problems. Topics include (but are not limited to) ratio and proportion, merchandising, break-even analysis, simple interest and promissory notes, compound interest and amortization of loans and payment schedules, sinking funds and investment decision analysis.

Pre-requisites: Pre-Calculus 11 or equivalent with grade of “C+” or better, or written permission of the Instructor and School Chair.

PEAC 100 - PEACE STUDIES I
PEAC 100: Peace Studies I is an interdisciplinary and values-based course that is the first of two introductory core courses in Peace Studies. Readings will include United Nations documents, as well as essays and excerpts from the writings of philosophers, anthropologists, psychologists, and peace researchers. Students will thus gain familiarity with literature addressing a broad range of past and current theories and discourse related to peace and conflict. Through their own reflection and working collaboratively in groups, students will have the
opportunity to move from theory to practice in one of the most challenging issues of humanity's collective experience: building cultures of peace.

Pre-requisites: English 12 with a grade of "C" or better, or written permission of the Instructor and School Chair.

PSYC 100 - INTRODUCTORY PSYCHOLOGY I
An introduction to the methods, theory and practice of psychology as a science. Among others, topics will include motivation and emotion, learning and memory, biological foundations, sensation and perception. Other topics are added at the discretion of the individual instructor. Class demonstrations and activities are used to illustrate concepts. Teaching methods and resources in the course vary with the instructor.

Pre-requisites: ENGL 12 or equivalent with a grade of "C" or better or written permission of the Instructor and School Chair.

SOC 120 - INTRODUCTORY SOCIOLOGY I
This course is an introduction to the discipline. The sociological perspective is examined, along with the associated concepts and methods. Attention is directed to major areas such as culture, socialization, stratification and deviance. Students have an opportunity to research topics of interest.

Pre-requisites: ENGL 12 or equivalent with a grade of "C" or better or written permission of the Instructor and School Chair.

SOC 121 - INTRODUCTORY SOCIOLOGY II
This course examines the social life as it occurs in families, formal organizations, religion, political movements and other social systems. Student research projects are part of the course.

Pre-requisites: SOC 120 or written permission of the Instructor and School Chair.

WS 100 - WOMEN'S STUDIES I
Women's Studies 100 is an interdisciplinary course designed to introduce students to the study of women in global cultures as portrayed through literature and sociological studies. Topics to be covered include the women's movement, sexuality, "herstory", gender roles, philosophy and law.

Pre-requisites: English 12 with a grade of "C" or better or written permission of the Instructor and School Chair.

Contacts

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Admissions Officer (Castlegar)
Phone: 1.888.953.1133 ext 21233
Direct: 250.365.1233
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UNIVERSITY ARTS & SCIENCES
Program Contact
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TRACY PUNCHARD
School Chair of UAS; Instructor, English
Phone: 1.888.953.1133 ext 21318
Direct: 250.365.1318
Email: tpunchard@selkirk.ca
Humanities

English

ENGL 051 - INTRODUCTORY COMPOSITION
This course is designed to prepare students for college level writing in academic or technical programs. The course concentrates on writing paragraphs and essays and the study of literature.
Pre-requisites: ENGL 11 or equivalent, or computer-based TOEFL score of 180, or sufficient College Readiness Tool (CRT) score.

ENGL 110 - COLLEGE COMPOSITION
English 110 is about thinking and writing. You will learn how to develop and express informed opinions on issues that matter. You will also learn about research, editing, and expository and persuasive academic writing forms.
Pre-requisites: A "C" or better in ENGL 12 or equivalent or LPI level 4 or written permission of the instructor and School Chair.
Course Credit: 3

ENGL 111 - INTRODUCTION TO LITERATURE
English 111 is about living more intensely. Rather than providing answers, literature prompts us to ask better questions of ourselves and each other. Drama, poetry, short stories, and novels will guide us in discussion, reflection, and writing about literature.
Pre-requisites: ENGL 110 with a grade of "C" or better or written permission of the instructor and School Chair. Note: English 112/114 is intended for students interested in a literary focus.
Course Credit: 3

ENGL 112 - INTRODUCTION TO POETRY AND DRAMA
Poetry and Drama ask us to be in the moment. In English 112, we will reflect on both literary and cultural issues in ways relevant to our lives. Students will be guided in a close reading of poetic and dramatic texts, and the development of a literary vocabulary. Students will interpret texts, develop arguments, and write academic essays based on those texts.
Pre-requisites: English 12 with a grade of "B" or higher, or LPI level 5, or written permission of the instructor and School Chair.
Course Credit: 3

ENGL 114 - INTRODUCTION TO PROSE FICTION
English 114 celebrates the human imagination. We will explore provocative ideas as expressed through contemporary short stories and novels. Students will further develop their ability to interpret texts, develop arguments, and write academic essays about those texts.
Pre-requisites: ENGL 112 with a grade of "B" or higher, or written permission of the instructor and School Chair.
Course Credit: 3

ENGL 200 - A SURVEY OF ENGLISH LITERATURE I
"In spring folk long to go on pilgrimage"—so begins Geoffrey Chaucer's 14th century masterpiece of the English tradition, The Canterbury Tales. In English 200, we will set out on a pilgrimage which honours the living beauty of the English language and its greatest writers such as Spenser, Shakespeare and Donne, ending in the 17th century with Milton.
Pre-requisites: A "C" or better in ENGL 110/111 or ENGL 112/114 or equivalent, or written permission of the instructor and School Chair.
Course Credit: 3

ENGL 201 - A SURVEY OF ENGLISH LITERATURE II
From the calm reason of the Enlightenment to the passion of the Romantics, we still live out the questions first asked by the brilliant writers of 18th and 19th Centuries. In the company of such authors as Pope, Swift, Wollstonecraft, Keats, Wordsworth, and Austen, we continue our pilgrimage into culture, belief, and literary achievement begun in the previous semester with English 200.
Pre-requisites: A "C" or better in ENGL 200 or equivalent or written permission of the instructor and School Chair.
Course Credit: 3

ENGL 202 - CANADIAN LITERATURE I: INDIGENOUS VOICES
From the earliest narratives, Euro Canadian writing has framed our understanding of indigenous peoples. We will examine these representations in Canadian literature alongside the works of indigenous writers from across Canada. Reading and discussion will give us an opportunity to understand First People's literature, including the response to colonialism, and to experience the vitality of First People's cultures, imaginations, and ways of knowing.
Pre-requisites: A "C" or better in ENGL 110/111 or ENGL 112/114 or written permission of the instructor and School Chair.
Course Credit: 3

ENGL 203 - CANADIAN LITERATURE II: CONTEMPORARY VOICES
In our multicultural society and globalized world, what is so Canadian about Canadian literature? In this course we trace the emergence of Canadian literature on the world stage and how such writers frame connections between literature, nation, identity and culture.
Pre-requisites: A "C" or better in ENGL 110/111 or ENGL 112/114 or written permission of the instructor and School Chair.
Course Credit: 3

ENGL 204 - CHILDREN'S LITERATURE I: FROM RAGS TO RICHES AND WORLDS OF MAGIC
From folktales and urban legends to traditional and literary fairy tales, particularly the collections of Charles Perrault and the Brothers Grimm as well as Hans Christian Andersen and others, this course explores the roots of children's literature including modern fantasy, such as J.K. Rowling's Harry Potter and the Philosopher's Stone, J.M. Barrie's Peter Pan, Kenneth Graeme's The Wind in the Willows, and Charles Dickens' A Christmas Carol.
Pre-requisites: A "C" or better in ENGL 110/111 or ENGL 112/114 or equivalent or written permission of the instructor and School Chair.
Course Credit: 3

ENGL 205 - CHILDREN'S LITERATURE II: FROM HELL TO HEAVEN AND EVERYTHING IN BETWEEN
From medieval to modern times, this course traces the development of literature enjoyed by and written for children. Early works include the "Hell-fire" tales of the Puritans to the Golden Age stories of the nineteenth century. We explore landmark novels such as Louisa May Alcott's Little Women, Robert Louis Stevenson's Treasure Island, and Lucy Maud Montgomery's Anne of Green Gables. We'll also examine the social issues and controversies provoked by poetry, picture books and prose.
Pre-requisites: A "C" or better in ENGL 110/111 or ENGL 112/114 or equivalent or written permission of the instructor and School Chair.
Course Credit: 3

ENGL 52/53 - ENGLISH - ADVANCED LEVEL
English 52/53 is a reading and writing course which focuses on critical and creative thinking, oral and written communication, reading, research, and cooperative learning. This course is designed to help students become natural, confident communicators. Discussions and activities cover a diversity of topics, which include: pre-writing strategies, essay development, summarizing, critical reading, plagiarism, grammar, and dictionary use. Equivalent Courses: English 52/53 is equivalent to English 11.
Prerequisites: English 10 or equivalent skill level.
ENGL 62/63 - ENGLISH - PROVINCIAL LEVEL
This course uses the study of Canadian literature to develop academic English reading, writing, research, critical thinking and communications skills. Various works of short fiction, poetry, plays and a novel are explored through discussion and analysis, while academic essay skills are developed throughout the course. Upon completion of this course, students are prepared for academic post-secondary studies. This course qualifies for the BC Adult Graduation Diploma. English 62/63 is equivalent to English 051, and each is equivalent to English 12.
Prerequisites: ENGL 52/53 or equivalent skills.

ENGL 66/67 - ESSENTIAL ENGLISH - PROVINCIAL LEVEL
Essential English develops practical skills in reading, writing and communicating. These skills will enable students to perform the tasks required by their occupation and other aspects of daily life. Upon completion of this course, students are prepared for entry to Selkirk College’s Health Care Aide program. This course qualifies for the BC Adult Graduation Diploma, but it is not recommended for entry into most post-secondary education programs. Equivalent Courses: Communications 12.
Prerequisites: ENGL 10 or equivalent skills.

French

FREN 102 - BEGINNER’S FRENCH I
This course is intended for beginners with little or no knowledge of French. In this introduction to French the communicative approach and a study of French grammar enable students to acquire basic listening, speaking, reading and writing skills in French.
Course Credit: 3

FREN 103 - BEGINNER’S FRENCH II
As a continuation of French 102, this course extends the beginning student's ability to communicate in spoken and written French.
Pre-requisites: A "C" or better in FREN 102 or equivalent or written permission of the Instructor and School Chair.
Course Credit: 3

FREN 112 - FIRST-YEAR FRENCH I
In this course, the communicative approach and an integrated study of grammar gives intermediate level students the opportunity to enhance their listening, speaking, reading and writing skills in French.
Pre-requisites: A "C" or better in FREN 11 or FREN 102/103 or equivalent or written permission of the Instructor and School Chair.
Course Credit: 3

FREN 113 - FIRST-YEAR FRENCH II
As a continuation of French 112, this course further develops the student's listening, speaking, reading, and writing skills in French.
Pre-requisites: A "C" or better in FREN 112 or equivalent or written permission of the Instructor and School Chair.
Course Credit: 3

FREN 122 - CONTEMPORARY FRENCH LANGUAGE AND LITERATURE I
This course uses the communicative approach and a thorough review of grammar to enable students to enrich their listening, speaking, reading and writing skills in French. Students will also examine and discuss a series of readings in order to develop their understanding of Francophone culture.
Pre-requisites: A "C" or better in FREN 112/113 or French 12 or written permission of the Instructor and School Chair.
Course Credit: 3

FREN 123 - CONTEMPORARY FRENCH LANGUAGE AND LITERATURE II
As a continuation of French 122, this course gives students the opportunity to further enrich and perfect their spoken and written French. As well, students will continue their study of Francophone culture.
Pre-requisites: A "C" or better in FREN 122 or equivalent or written permission of the Instructor and School Chair.
Course Credit: 3

History

HIST 104 - CANADA BEFORE CONFEDERATION
A survey of Canadian history from the pre-contact societies of the First Nations to the creation of Canadian Federation in 1867. European expansion and settlement in northern North America, relations between Europeans and First Nations, and the development of the colonial societies that formed Canada are examined. Emphasis is placed on fostering student interest in history by examining the historical experiences of a diversity of Canadians.
Pre-requisites: ENGL 12 or equivalent with a grade of "C" or better or written permission of the Instructor and School Chair.
Course Credit: 3

HIST 105 - CONTEMPORARY CANADA
A survey of modern Canada from confederation to the end of the second millennium. The post-1867 consolidation of a transcontinental Canada, the marginalization of aboriginal peoples, and the rapid transformation of Canadian society by immigration, industrialization, urbanization, the two world wars, and the Great Depression are examined. The effects of broad economic and social change on party politics, relations between French and English Canada, and the attitudes, values, and living and working patterns of Canadians are also explored. Emphasis is placed on fostering student interest in history by examining the historical experiences of a diversity of Canadians.
Pre-requisites: ENGL 12 or equivalent with a grade of "C" or better or written permission of the Instructor and School Chair.
Course Credit: 3

HIST 106 - WESTERN CIVILIZATION I
The course introduces students to some of the major themes in the history of Western Society from the Neolithic to the early modern European worlds. Human experience and relations in ancient Mesopotamia, Egypt, and Greece, the expansion the of the Hellenistic empire of Alexander the Great, the rise of the Roman Empire, the making of early European society, and the origins and spread of the Renaissance and Reformation are examined. By the conclusion of the course, students will be able to view the development of "the West" from an historical perspective.
Pre-requisites: ENGL 12 or equivalent with a grade of "C" or better or written permission of the Instructor and School Chair.
Course Credit: 3
HIST 107 - WESTERN CIVILIZATION II
The course introduces students to major themes and problems in Western society from the rise of absolutism in the early 18th century to the aftermath of World War Two. As part of this, students will gain an understanding of the origins and impact of the French and Industrial revolutions, the rise of the nation state in the 19th century, and the origins and effects of World War One including the Russian Revolution, the Great Depression, and the rise of authoritarian regimes in the 1930s. By the conclusion of the course, students will be able to view World War Two from an historical perspective.

Pre-requisites: ENGL 12 or equivalent with a grade of "C" or written permission of the instructor and School Chair.

Course Credit: 3

HIST 203 - A HISTORY OF BRITISH COLUMBIA
The course is designed to introduce students to the history of British Columbia from the pre-contact societies of the native peoples to the present. Relations between Europeans and First Nations, the development of the European resource and settlement frontiers, and the eventual transformation of British Columbia's society and economy as a result of industrialization, immigration, and urbanization are examined within a broader Canadian and North American context. Emphasis is placed on fostering student interest in the history of British Columbia by examining the historical experiences of a diversity of peoples.

Pre-requisites: ENGL 12 with a grade of "C" or better or written permission of the instructor and School Chair.

NOTE: Students in West Kootenay and British Columbia history courses have access to the "MINTO ROOM" archives. This collection of books, records, private papers, photos and maps aid in research, particularly of the Kootenay region.

Course Credit: 3

HIST 210 - A HISTORY OF THE FIRST NATIONS OF CANADA
The course examines the history of the First Nations of Canada from the pre-contact period to the present. The changes and continuities within the societies and economies of the First Nations as a result of European contact, trade, warfare, and settlement are examined within a broader hemispheric context. The course gives particular emphasis to the historical roots of contemporary First Nations' issues in Canada and the contributions that aboriginal people have made to the development of Canada and to their own distinct societies.

Pre-requisites: ENGL 12 or equivalent with a grade of "C" or better or written permission of the instructor and School Chair.

Course Credit: 3

HIST 215 - A HISTORY OF THE WEST KOOTENAY
The course is designed to introduce students to the history of the West Kootenay from the pre-contact societies of the native peoples to the present. Relations between Europeans and First Nations, the development of the resource and agricultural frontiers, work and settlement patterns, and 20th and 21st century social and economic change are also examined within the broader Canadian and North American context. Emphasis is placed on fostering student interest in the history of the West Kootenay by examining the historical experiences of a diversity of people who have lived in the region.

Pre-requisites: ENGL 12 with a grade of "C" or better or written permission of the instructor and School Chair.

NOTE: Students in West Kootenay and British Columbia history courses have access to the "MINTO ROOM" archives. This collection of books, records, private papers, photos and maps aid in research, particularly of the Kootenay region.

Course Credit: 3

HIST 220 - LATIN AMERICA: PRE-1821
History 220 surveys the Spanish and Portuguese Empires America from their 15th century beginnings in the conquest of aboriginal empires and peoples to their break-up in the early 19th century by independence movements of Creoles. Major themes examined include the pre-contact native societies and empires, the establishment and administration of Spanish and Portuguese overseas empires, the economies and societies of the colonies, the impact and influence of the Church, European power struggles for control of Latin America, and the origins and emergence of American independence movements.

Pre-requisites: ENGL 12 with a grade of "C" or better or written permission of the instructor and School Chair.

Course Credit: 3

HIST 221 - LATIN AMERICA: POST-1821
A survey of Latin American history from independence to the present. Major themes examined include post-colonial efforts to develop and modernize new nation-states, the development and impact of neocolonialism, the rise, impact and responses to both nationalist and revolutionary movements in the 20th century, and the impact of the United States foreign policy on Latin America and its peoples.

Pre-requisites: ENGL 12 with a grade of "C" or better or written permission of the instructor and School Chair.

Course Credit: 3

HIST 62/63 - HISTORY - PROVINCIAL LEVEL
This history course examines the major social, economic and political movements from the late 1900's into the 21st century. Students develop an understanding of global events, from war to social movements to economic crises as presented through text, video and lecture/discussion. Students learn how global issues are interconnected geographically and politically. Skills to analyze events and to write brief synopses for presentations are developed. This course prepares students for further studies in social sciences at the post-secondary level. This course qualifies for the BC Adult Graduation Diploma.

History 62/63 is equivalent to History 12.

Prerequisites: ENGL 52/53 or equivalent skills.
PEAC 100 - PEACE STUDIES I
PEAC 101: Peace Studies I is an interdisciplinary and values-based course that is the first of two introductory core courses in Peace Studies. Readings will include United Nations documents, as well as essays and excerpts from the writings of philosophers, anthropologists, psychologists, and peace researchers. Students will thus gain familiarity with literature addressing a broad range of past and current theories and discourse related to peace and conflict. Through their own reflection and working collaboratively in groups, students will have the opportunity to move from theory to practice in one of the most challenging issues of humanity’s collective experience: building cultures of peace.

Pre-requisites: English 12 with a grade of “C” or better, or equivalent with a grade of “C” or better, or written permission of the Instructor and School Chair.
Course Credit: 3

PEAC 101 - PEACE STUDIES II
PEAC 101: Peace Studies II is the second of two introductory core courses in Peace Studies at Selkirk College. This course will focus on traditional and non-traditional approaches to Conflict Resolution. Students will be introduced to general principles and key concepts in arbitration, negotiation, mediation and nonviolent resistance; as well as alternative dispute resolution methods, such as Nonviolent Communication, Peacemaking Circles, Conflict Transformation, and Conflict Free Conflict Resolution. Students will practice identifying, analyzing, role playing, mapping, and peacefully resolving or transforming conflicts that range from the interpersonal to the international.

Pre-requisites: English 12 with a grade of “C” or better, or written permission of the Instructor and School Chair. PEAC 100 recommended.
Course Credit: 3

PEAC 201 - FROM WATER TO CHOCOLATE: ENVIRONMENT, CONFLICT AND JUSTICE
PEAC 201: From Water to Chocolate: Environment, Conflict and Justice is an examination of selected global political-ecological issues, including conflict minerals, child slavery, climate change, and water wars; as well as the power and potential of various pathways to peace, including nonviolent direct action, Indigenous solidarity, fair trade, international accompaniment, ecological restoration, and environmental peacebuilding.

Pre-requisites: Second year standing or written permission of the Instructor and School Chair.
Course Credit: 3

PEAC 202 - LEADERSHIP FOR PEACE: THE INDIVIDUAL AND SOCIAL TRANSFORMATION
PEAC 202: Leadership for Peace: The Individual and Social Transformation begins with the understanding that leadership for peace is, at its foundations, leadership for human rights and social justice; and with the further insight that social transformation is always joined with inner transformation, to the individual who “can change the world”. PEAC 202 examines leadership and peace in relation to issues of authority, power, legitimacy, and the will to truth, reconciliation, compassion, and healing. A significant part of this course is a service-learning assignment, to be determined by the student in conjunction with faculty.

Pre-requisites: English 12 or equivalent with a grade of “C” or better, or written permission of the Instructor and School Chair. Successful completion of or concurrent study in Peace Studies 100/101 strongly recommended.
Course Credit: 3

PEAC 203 - INTRODUCTION TO TRANSFORMATIVE JUSTICE: THEORY AND PRACTICE
PEAC 203: Introduction to Transformative Justice: Theory and Practice explores the theory and practice of transformative justice. Themes include retribution, punishment and deterrence; Indigenous approaches to justice; trauma and healing; shame and empathy; community, belonging, forgiveness, and reconciliation. These are explored at a variety of scales, from the interpersonal to the global, and in various contexts – from the Canadian criminal justice system to transitional justice following war, apartheid, or colonial subjugation. Students will gain familiarity with the applied practices of victim-offender mediation, family-group conferencing, peacemaking circles, and truth and reconciliation commissions; and also learn how restorative practices are being used in environmental contexts and in our schools.

Pre-requisites: English 12 or equivalent with a grade of “C” or better, or recommended PEAC 100 and 101.
Course Credit: 3

PEAC 205 - GLOBAL PERSPECTIVES IN PEACE: AN INDEPENDENT STUDIES COURSE
The purpose of this course is for Peace Studies students to gain the opportunity to learn about peace, justice and related topics, from a global (including international and Canadian) and cross-cultural perspectives. For example, as part of this course, students may participate in one of two international Peace Institutes (Mindanao Peace Building Institute in the Philippines and African Peace Building Institute in Zambia) with which Selkirk College has a partnership. While learning in a cross cultural setting, students will be expected to complete assignments from the organization with which they are studying, as well as additional assignments from their Selkirk College instructor. It is expected that an international or global experience in an academic and practice setting will provide students with a transformative learning experience that will lead to a deeper understanding of building cultures of peace at the interpersonal, community and global levels.

Pre-requisites: PEAC 100 or PEAC 101. Study proposal that is approved by instructor prior to commencement of course. PEAC 201 recommended.
Course Credit: 3

PEAC 301 - DIRECTED STUDIES IN TRANSFORMATIVE JUSTICE
PEAC 301: Directed Studies in Transformative Justice allows the student to focus on his or her own area of special interest within transformative justice. Following extensive readings supervised by the instructor, the student will develop a proposal for putting new expertise into practice.

Pre-requisites: PEAC 203 or written permission of the Instructor and School Chair.
Course Credit: 3

PEAC 303 - TRANSFORMATIVE JUSTICE PRACTICE
PEAC 303: Transformative Justice Practice is a sequel course to PEAC 301: Directed Studies in Transformative Justice. In this course, the student carries out the proposal developed in PEAC 301 by completing a 90-hour transformative justice practicum or project in the workplace, school or community. (Spring offering only)

Pre-requisites: PEAC 203 and PEAC 301.
Course Credit: 3

PEAC 305 - MEDIATION SKILLS
This intensive week long course provides the student of transformative justice with practical skills in communication, mediation and conflict transformation. The format will be interactive – short lectures, discussions, case studies and role plays. The student will examine the concepts of power, culture, privilege in the context of communication, with a strong emphasis on listening skills.

Pre-requisites: PEAC 203, 301 and 303.
Course Credit: 2
Spanish

SPAN 102 - BEGINNER'S SPANISH I
This Spanish course for beginners encourages students to develop their communication skills in various situations. Students learn how to give information about themselves, how to inquire about the meaning or the pronunciation of a word, and how to start a conversation.

Course Credit: 3

SPAN 103 - BEGINNER'S SPANISH II
Pursuing the objective of Spanish 102, this course allows the learner to improve various skills such as sharing information, telling stories, and talking about events, while taking into account the social context of the conversation. At this level, the past tense will be an additional grammar topic.

Pre-requisites: SPAN 102.
Course Credit: 3

SPAN 112 - FIRST YEAR SPANISH I
Spanish 112 (online) is a self-paced course that encourages students to improve their communicative proficiency through listening, speaking, reading and writing about current topics.

Pre-requisites: SPAN 102/103 or written permission of the Instructor and School Chair.
Course Credit: 3

SPAN 113 - FIRST YEAR SPANISH II
Spanish 113 is the sequel to the Spanish 112 online course. Spanish 113 is a self-paced course as well that encourages students to improve their communicative proficiency through listening, speaking, reading and writing about current topics.

Pre-requisites: SPAN 112 or equivalent or written permission of the Instructor and School Chair.
Course Credit: 3

SPAN 122 - CONTEMPORARY SPANISH LANGUAGE AND LITERATURE I
Spanish 122 offers students an opportunity to enhance their language skills (speaking, listening, writing, and reading) through discussions on the writings of Hispanic authors from the nineteenth-century. Students will have the opportunity to take a look at their works which include novels, short stories, theatre, poetry, and biographies. Students will review and expand their knowledge of grammar, usage, sentence development, and vocabulary skills.

Pre-requisites: A "C" or better in Spanish 122 or equivalent, or written permission of the Instructor and School Chair.
Course Credit: 3

SPAN 123 - CONTEMPORARY SPANISH LANGUAGE AND LITERATURE II
In Spanish 123, students continue to improve their communicative proficiency through discussions on the writings of Hispanic authors from the twentieth-century. Students will have the opportunity to take a look at their works which include novels, short stories, theatre, poetry, and biographies. Students will review and expand their knowledge of grammar, usage, sentence development, and vocabulary skills.

Pre-requisites: A "C" or better in Spanish 122 or equivalent, or written permission of the Instructor and School Chair.
Course Credit: 3

Creative Writing

CWRT 100 - STUDIES IN WRITING I
Students seeking an Associate of Arts degree in English (Writing Studies) must take CWRT 100. The course focuses the writer's efforts on the value of compression and the reduction of ideas to their purest forms. An in-depth exploration of imagery, metaphor and word choice through the study of poetry will prepare students to produce original compositions in any genre. Students will be expected to submit original writing for workshop in at least two of the four genres - poetry, fiction, non-fiction, or drama. The craft of writing essays and criticism on theory and form will be introduced.

Pre-requisites: A "C" or better in ENGL 12 or LPI level 4.
NOTE: CWRT 100 and 101 do not exempt students from the regular first year English requirements, i.e. English 110/111 or 112/114.
Course Credit: 3

CWRT 101 - STUDIES IN WRITING II
Students seeking an Associate of Arts degree in English (Writing Studies) must take CWRT 100/101. CWRT 101 focuses the writer's efforts on crafting story. An in-depth exploration of scene development, characterization, setting, point-of-view, and the leading ideas in stories will prepare students to produce original compositions in any genre other than poetry. Students will be expected to submit original writing for workshop in at least two of the three genres being discussed. Writing essays and criticism on theory and form will continue.

Pre-requisites: A "C" or better in ENGL 12 or LPI level 4.
NOTE: CWRT 100 and 101 do not exempt students from the regular first year English requirements, i.e. English 110/111 or 112/114.
Course Credit: 3

CWRT 200 - STUDIES IN WRITING III
CWRT 200 is a hybrid course. Castlegar-based students will attend class Wednesday mornings on the Castlegar campus and students from the Nelson area will attend Thursday evenings at KSA. All students will complete the equivalent of two classroom hours online each week. The emphasis of CWRT 200: Studies in Writing III will be on portfolio development and preparation of manuscripts for publication. Students will submit for workshop their own imaginative writing in any of the four genres—poetry, drama, fiction, and non-fiction. In addition, students will engage in a practice of response, analysis, and critique of published and peer written work. Lectures will mirror the assigned readings and serve to initiate theoretical round table discussions on image, voice, character, setting, and story. In the second half of the semester students will be required to explore in more depth each of the four genres. Students will be expected to submit at least one of
their compositions for publication to an appropriate literary quarterly, magazine, newspaper or theatre workshop.

Pre-requisites: Two semesters of first-year university English or Writing with a grade of C or better, or written permission of the Instructor and School Chair.

Course Credit: 3

CWRT 201 - STUDIES IN WRITING IV
A continuation of CWRT 200: Studies in Writing III. While portfolio development and manuscript preparation are continually emphasized, students will be required to produce their own chapbook in one or two of the four genres, write and submit grant proposals, and read their work aloud. Students will be expected to submit at least one of their compositions for publication to an appropriate literary quarterly, magazine, newspaper, or theatre workshop. Students will be required to participate in a year end Student Reading of original work. Writing reviews, essays and criticism on theory and form of contemporary literature will continue.

Pre-requisites: A "B" or better in CWRT 200, or written permission of the Instructor and School Chair.

Course Credit: 3

CWRT 210 - ECOPoETICS
CWRT 210 - Ecopoetics will explore the writer's relationship to nature and the environment. We will seek to understand the role of the writer and the moral agency required to build a just and sustainable community. Coupled with an intellectual enquiry into environmental literature and criticism, writers will examine more closely non-fiction, fiction, and poetic forms that express an intimate attention to landscape and nature.

Pre-requisites: Studies in Writing 100 and 101 with a grade of "B+" or better, or written permission of the Instructor and School Chair.

Course Credit: 3

Social Sciences

Anthropology

ANTH 100 - INTRODUCTION TO ANTHROPOLOGY I
ANTH 100: Introduction to Anthropology I is an introduction to the major areas within the discipline: physical and cultural anthropology, linguistics, and archaeology.

Pre-requisites: ENGL 12 or equivalent with a grade of "C" or better.

Course Credit: 3

ANTH 101 - INTRODUCTION TO ANTHROPOLOGY II: CULTURAL ANTHROPOLOGY
Anthropology 101: Introduction to Anthropology II: Cultural Anthropology is an introduction to cultural anthropology in western and non-western societies. Through ethnographic accounts students will study world cultures both at home and abroad.

Pre-requisites: ENGL 12 or equivalent with a grade of "C" or better.

Course Credit: 3

ANTH 110 - INTRODUCTION TO BIOLOGICAL ANTHROPOLOGY
This course introduces the theories, methods and research in biological anthropology. Topics include the study of human and non-human primates, morphological variations, the human fossil record, trends and debates in human evolution, and biocultural adaptations.

Pre-requisites: English 12 or equivalent with a grade of "C" or better.

Course Credit: 3

ANTH 201 - ETHNIC RELATIONS
An introduction to the comparative study of “race” and ethnic relations from local to international contexts. The course explores social stratification according to race and ethnicity and looks at the motivations and consequences of such classifications and their relationships to other forms of stratification.

Pre-requisites: ANTH 100 or ANTH 101 recommended; ENGL 12 or equivalent with a grade of "C" or better.

Course Credit: 3

ANTH 205 - ANTHROPOLOGY OF RELIGION
An introduction to the comparative study of religious beliefs, practices and movements. Classic and contemporary approaches in the Anthropology of religion will be explored in ethnographic context, examining the similarities and variations in systems of religious belief.

Pre-requisites: ANTH 100 or ANTH 101 recommended; ENGL 12 or equivalent with a grade of "C" or better.

Course Credit: 3

ANTH 210 - INTRODUCTION TO ARCHAEOLOGY
Outlines the basic concepts and terms and short history of the discipline; field concepts and methods; survey, excavation, stratigraphy and other recording, artifact cataloguing and conservation; sampling and approached to dating; seriation, behavioural patterning; classical, prehistoric and historical archaeology. (Spring offering only on alternate years. Next offered in 2017.)

Pre-requisites: ANTH 100 or ANTH 110 strongly recommended; ANTH 101 recommended; ENGL 12 or equivalent with a grade of "C" or better.

Course Credit: 3

ANTH 211 - ARCHAEOLOGY FIELD METHODS
Field Methods in Archaeology provides students with instruction and practical experience in basic methods and techniques of archaeological fieldwork, including mapping, excavation, recording, processing of artifacts, analysis and reporting. This is a field methods class requiring students to live and work together as a group while they learn field methods and contribute to the success of an archaeological research project. This is a 6 credit course. Please note the field school runs on alternate years. The next offering will be in spring 2017.

Pre-requisites: ENGL 12 or equivalent with a grade of "C" or better, ANTH 100, ANTH 101 and ANTH 110. Students are required to participate in an application and interview process prior to being considered for admission to the field school. Additional reading may be required prior to the field school.

Course Credit: 6
Economics

ECON 106 - PRINCIPLES OF MACROECONOMICS
ECON 106: Principles of Macroeconomics covers topics including: national income accounts, national income determination model, monetary system, monetary and fiscal policy, problems with the Macro System, inflation, unemployment, etc.; international trade - balance of payments, exchange rates, capital flows.

Pre-requisites: ENGL 12 or equivalent with a grade of "C" or better.
Course Credit: 3

ECON 107 - PRINCIPLES OF MICROECONOMICS
ECON 107: Principles of Microeconomics is usually taken following ECON 106: Principles of Macroeconomics. Topics covered include: supply and demand - price supports, the agricultural problem, value theory, theory of the firm - competition, pollution, industrial organization - monopoly, public utilities, advertising, income distribution - labour unions, productivity.

Pre-requisites: ENGL 12 or equivalent with a grade of "C" or better.
Course Credit: 3

Geography

GEOG 130 - INTRODUCTION TO PHYSICAL GEOGRAPHY (LAB SCIENCE)
GEOG 130: Introduction to Physical Geography is a study of the natural processes which occur at or near Earth's surface in the biosphere, hydrosphere, atmosphere and lithosphere. Emphasis is placed on our local and regional physical geography as we examine: weather, climate, ocean currents, climate change; biogeography, soils, hydrology, and the development of slopes and fluvial landforms. An important component of the course is the integrated aspect of these natural processes and the influence of human activities on our landscapes. Throughout the course students will develop skills reading and interpreting data from maps, remotely sensed images, tables, graphs and text. Students will use this information to recognize patterns and solve problems. Students will practice making field observations and taking field notes.

Pre-requisites: Pre-calculus 11, Foundations 11, Principles of MATH 11 or equivalent with a grade of "C" or better or written permission of the Instructor and School Chair.
Course Credit: 3

GEOG 136 - GEOGRAPHY OF BRITISH COLUMBIA
British Columbia is one of the most diverse and richly endowed provinces in Canada, both in terms of its natural resources and its people. This introductory course will cover the physical geography (physiographic regions, geomorphology, climatology, and biogeography), resource issues (natural resources, industry, and conservation) and cultural geography (First Nations, ethnic diversity, rural and urban communities) of British Columbia. The course includes numerous field trips and hands on activities.

Pre-requisites: ENGL 12 with a grade of "C" or better or written permission of the Instructor and School Chair.
Course Credit: 3

GEOG 140 - INTRODUCTION TO CULTURAL GEOGRAPHY
GEOG 140: Introduction to Cultural Geography studies the relationships between culture, space, place, and the environment. A wide variety of cultures, their landscapes, and the changes they are undergoing will be examined through a geographic lens. Through Cultural Geography we will begin to understand cultural differences and open up new possibilities for solving our own problems as well as for viewing the rest of the world in less judgmental terms.

Pre-requisites: ENGL 12 with a grade of "C" or better or written permission of the Instructor and School Chair.
Course Credit: 3

GEOG 232 - GEOMORPHOLOGY
A laboratory and project-oriented course dealing with the development of landforms, with particular emphasis on local features.

Pre-requisites: GEOG 130 or GEOG 132 or RRS 164 with a grade of "C" or better, or written permission of the Instructor and School Chair.
Course Credit: 3
Psychology

PSYC 100 - INTRODUCTORY PSYCHOLOGY I
An introduction to the methods, theory and practice of psychology as a science. Among others, topics will include motivation and emotion, learning and memory, biological foundations, sensation and perception. Other topics are added at the discretion of the individual instructor. Class demonstrations and activities are used to illustrate concepts. Teaching methods and resources in the course vary with the instructor.
Pre-requisites: ENGL 12 or equivalent with a grade of "C" or better or written permission of the Instructor and School Chair.
Course Credit: 3

PSYC 101 - INTRODUCTORY PSYCHOLOGY II
Topics include thinking and other cognitive processes, development of the individual, personality, behaviour disorders, health and social psychology. Other topics are added at the discretion of the instructor. Class demonstrations and activities are used to illustrate concepts.
Pre-requisites: PSYC 100 with a grade of "C" or better or written permission of the Instructor and School Chair.
Course Credit: 3

PSYC 200 - BIOLOGICAL PSYCHOLOGY
This course is for students who intend to major in psychology. Emphasis is placed on biological processes underlying sensation, perception, learning and motivation.
Pre-requisites: PSYC 100/101 or written permission of the Instructor and School Chair.
Course Credit: 3

PSYC 202 - RESEARCH METHODS
This course introduces prospective Psychology majors to the major methodological principles which guide research in Psychology. The primary focus is on experimental design, but students will be exposed to some elementary descriptive statistics. Topics include critical thinking and scientific reasoning, principles of measurement, types of variables, validity and reliability, and research ethics. Weekly labs offer hands-on applications of basic concepts to the design of research.
Pre-requisites: PSYC 100/101 or written permission of the Instructor and School Chair.
Course Credit: 3

PSYC 230 - EMOTIONAL AND SOCIAL DISORDERS
Psychology 230 is the first of two courses which study psychological disorders. In this course we will first study the major personality theories as they apply to abnormal psychology. This is followed by an introduction to the Diagnostic and Statistical Manual classification system [DSM], and research and legal issues. The course then begins its examination of emotional and social disorders including: anxiety disorders; somatoform disorders; dissociative disorders; personality disorders; and, psychological factors that affect physical health.
Pre-requisites: PSYC 100/101 with a grade of "C" or better or written permission of the Instructor and School Chair.
Course Credit: 3

PSYC 231 - PSYCHOTIC AND ORGANIC DISORDERS
Psychology 231: Psychotic and Organic Disorders is the second of two courses which study psychological disorders. In this course we will examine psychotic, pervasive and other major psychological disorders. We will consider the causes, prognoses and treatments of such disorders as: affective disorders; the schizophrenias; developmental disorders; eating disorders; substance-abuse disorders; and sexual disorders.
Pre-requisites: PSYC 230 or written permission of the Instructor and School Chair.
Course Credit: 3

PSYC 240 - CHILD DEVELOPMENT
An introduction to normal child development, this course explores selected aspects of the physical, cognitive, emotional, and moral development of children from birth to adolescence; and examines the major theories of child development.
Pre-requisites: PSYC 100/101 or written permission of the Instructor and School Chair.
Course Credit: 3

PSYC 241 - ADULT DEVELOPMENT
An introduction to normal adult development, this course examines critical issues and theories of adolescence, and early, middle and late adulthood.
Pre-requisites: PSYC 100/101 and PSYC 240 or written permission of the Instructor and School Chair.
Course Credit: 3

PSYC 300 - ADDICTIONS FOR HEALTH PROFESSIONALS
PSYC 300: Addictions for Health Professionals is designed to provide medical professionals with valuable insights into clients struggling with addiction. The causes and consequences of addiction will be investigated, as well as approaches to harm-reduction and recovery. The influences of personal history, societal and cultural views, and government policy are explored.
Course Credit: 3

Sociology

SOC 120 - INTRODUCTORY SOCIOLOGY I
This course is an introduction to the discipline. The sociological perspective is examined, along with the associated concepts and methods. Attention is directed to major areas such as culture, socialization, stratification and deviance. Students have an opportunity to research topics of interest.
Pre-requisites: ENGL 12 or equivalent with a grade of "C" or better or written permission of the Instructor and School Chair.
Course Credit: 3

SOC 121 - INTRODUCTORY SOCIOLOGY II
This course examines the social life as it occurs in families, formal organizations, religion, political movements and other social systems. Student research projects are part of the course.
Pre-requisites: SOC 120 or written permission of the Instructor and School Chair.
Course Credit: 3

SOC 200 - DEVIANCE AND SOCIAL CONTROL
The processes by which some behaviour comes to be identified as deviant and the social means of control of such behaviour through the criminal justice system are examined analytically. This course transfers as a first year criminology course to institutions offering criminology degrees.
Pre-requisites: ENGL 12 or equivalent with a grade of "C" or better or written permission of the Instructor and School Chair.
Course Credit: 3

SOC 205 - INTRODUCTION TO SOCIAL RESEARCH
Sociology 205: Introduction to Social Research introduces students to research methods in the social sciences. Students will be introduced to the major procedures for carrying out systematic investigation of the social world. The course will encourage students to critically evaluate the methods, strategies and data that are used by social scientists and provide training in analysis of a range of qualitative and quantitative data.
Pre-requisites: Second year standing.
Course Credit: 3

SOC 215 - CANADIAN SOCIAL STRUCTURE
A macro level analysis of factors such as (but not limited to) ethnicity, region, gender and class as a basis for understanding contemporary Canadian society.
Pre-requisites: ENGL 12 or equivalent with a grade of "C" or better or written permission of the Instructor and School Chair.
Course Credit: 3
SOC 225 - INTRODUCTION TO SOCIOLOGICAL THEORY
Introduction to Sociological Theory is designed to introduce students to the major nineteenth and twentieth century thinkers who shaped the development of sociological theory. In exploring sociology's theoretical heritage, the course seeks also to foster an appreciation of what theory is and how necessary and useful it is for studying and understanding the social world.

Pre-requisites: Sociology 120 and Sociology 121 (Selkirk College) or the equivalent six units of introductory Sociology from other institutions.
Course Credit: 3

Women’s Studies

WS 100 - WOMEN'S STUDIES I
Women's Studies 100 is an interdisciplinary course designed to introduce students to the study of women in global cultures as portrayed through literature and sociological studies. Topics to be covered include the women's movement, sexuality, “herstory”, gender roles, philosophy and law.

Pre-requisites: English 12 with a grade of "C" or better or written permission of the Instructor and School Chair.
Course Credit: 3

WS 101 - WOMEN'S STUDIES II
A continuation of Women's Studies 100, WS 101 is an interdisciplinary course designed to expand on the study of women in global cultures as portrayed through literature and sociological studies; however, students do not need WS 100 as a prerequisite. Topics to be covered include women and religion, violence, health and reproductive technologies, and inequality in paid and unpaid labour.

Pre-requisites: English 12 with a grade of "C" or better or written permission of the Instructor and School Chair.
Course Credit: 3

Sciences

Astronomy

ASTR 102 - INTRODUCTION TO ASTRONOMY
Intended for students not majoring in science, Astronomy 102 is an overview of our present knowledge of the Universe, including the solar system, stars, supernovae, black holes, galaxies, quasars, gamma-ray bursters, dark matter, and cosmology. Some of the tools of astronomy, including telescopes and spectrosopes, will also be studied. Laboratory sessions involving some indoor experiments and weather-dependent outdoor observations will be held on alternate weeks. The laboratory may satisfy the science lab requirement for Arts programs. This course may be given elective credit for a degree in Astronomy.

Pre-requisites: English 12 with a grade of "C" or better.
Course Credit: 3

Biology

BIOL 050 - ADVANCED LEVEL INTRODUCTION TO BIOLOGY AND ECOLOGY
Biology 050: Advanced Level Introduction to Biology and Ecology introduces the student to biology: the study of living organisms and life processes. The student will learn about the diversity of life, plant and animal cells, ecology, and evolution, exploring concepts in the lab and in the field. Building upon life experiences, the student will better understand the natural world and his/her role in it. Also, the student will build laboratory and field skills, scientific communication skills, and critical thinking skills. This course prepares the student for further studies in biology, natural resources and earth sciences, and is equivalent to Grade 11 level biology. English 50 or equivalent.

Pre-requisites: Science 10 and English 10 or written permission of the Instructor and School Chair.
Course Credit: 3

BIOL 104 - BIOLOGY I
A course designed for those students who require first year biology in their program of study or who wish to go on to further study in biology. The course includes cell biology, biochemistry, and an examination of the processes of life in the plant and animal body. A strong emphasis is placed on the development of critical thinking skills through problem solving, research design, and laboratory analysis.

Pre-requisites: BIOL 104 with a grade of "C" or better or written permission of the Instructor and School Chair; however, they should be aware that they will be required to do additional work. This course is available via Distance Education, but requires attendance at weekly on-site labs.
Course Credit: 3

BIOL 106 - BIOLOGY II
Along with BIOL 104 (Biology I), this course provides an overview of the study of living things. Biology 106 presents topics in population, community and ecosystem ecology, and classical and molecular genetics. Evolution provides a unifying theme for the course. A strong emphasis is placed on the development of critical thinking skills through problem solving, case studies and laboratory investigation.

Pre-requisites: BIOL 104 with a grade of "C" or better or written permission of the Instructor and School Chair.
Course Credit: 3

BIOL 164 - HUMAN ANATOMY AND PHYSIOLOGY I
This course provides an integrative approach to the normal structure and function of the human body. Repair and replication, structural support, nervous integration, movement and metabolism are examined at the cellular, tissue and system levels. Recent scientific discoveries are presented as a means of relating the systems studied to various applied disciplines including health care and Kinesiology.

Pre-requisites: BIOL 104, CHEM 11, and one of BIOL 11, CHEM 12, or PHYS 12 (BIOL 11 recommended) with a grade of "C" or better.
Course Credit: 4
BIOL 165 - HUMAN ANATOMY AND PHYSIOLOGY II
A continuation of Biology 164, this course covers the cardiovascular, respiratory, lymphatic, urinary and digestive systems. Endocrinology is discussed throughout as a means of integrating the various systems to the function of the body as a whole. The focus remains on application of knowledge gained in this course.

Pre-requisites: BIOL 164 with a "C" or better or written permission of the Instructor and School Chair.

Course Credit: 4

BIOL 202 - PRINCIPLES OF GENETICS
This course provides the student with a knowledge of classical and reverse genetics. Topics covered include Mendelian inheritance, chromosome theory of heredity, sex determination, mutation, the structure and function of genes, molecular genetics, and the genetic structure of populations. Experimental techniques used in molecular genetics are also introduced.

Pre-requisites: BIOL 104 and 106 with a grade of "C" or better, or written permission of the Instructor and School Chair.

Course Credit: 3

BIOL 204 - CELL BIOLOGY
This course provides the student with a thorough knowledge of cell structure and function. Topics covered include biomolecules, membranes, organelles, cell movement, cell signaling, gene regulation, and transcription and translation. Experimental techniques used in modern cellular and molecular biology are also introduced.

Pre-requisites: BIOL 104 and 106 with a grade of "C" or better, or written permission of the Instructor and School Chair.

Course Credit: 3

BIOL 206 - INTRODUCTORY BIOCHEMISTRY
This course provides an introduction to biochemistry including protein structure and function, and representative catabolic and anabolic pathways. Topics covered include water, enzyme kinetics and enzyme structure and function. Experimental techniques used in biochemistry and molecular biology are also introduced.

Pre-requisites: Biology 104 and 106 with a grade of "C" or better, or written permission of the Instructor and School Chair. NOTE: Students are advised to take CHEM 212 as a prerequisite and CHEM 213 concurrently with BIOL 206.

Course Credit: 3

BIOL 212 - MICROBIOLOGY
BIOL 212: Microbiology is a survey of the microbial world, with discussions of the medical and ecological significance of key organisms. The biology of micro-organisms (including bacteria and viruses) is a key focal point, but there will also be discussions of immunology and pathology. The laboratory component will build basic skills necessary to perform and interpret research in the fields of medical microbiology, industrial microbiology, environmental microbiology, immunology and virology. A basic knowledge of biology will be presumed, including basic cell biology, ecology, physiology, biochemistry and metabolism.

Pre-requisites: BIOL 104 and BIOL 106 or another six credits of 100-level Biology with a grade of "C" or better, or written permission from the Instructor and the School Chair.

Course Credit: 3

BIOL 52/53 - BIOLOGY - ADVANCED LEVEL
This course introduces students to biology: the study of living organisms and life processes. Topics include the diversity of life, plant and animal cells, ecology, and evolution, exploring concepts in the lab and in the field. Building upon life experiences, students improve their understanding of the natural world and their role in it. The course is designed to build laboratory and field skills, scientific communication skills, and critical thinking skills. This course prepares the student for further studies in biology, natural resources and earth sciences. Biology 52/53 is equivalent to Biology 050, and each is equivalent to Biology 11.

Pre-requisites: ENGL 52/53 or equivalent skills. A strong science background is recommended.

BIOL 62/63 - BIOLOGY - PROVINCIAL LEVEL
This course provides an introduction to cell biology and human physiology. Topics covered include cell biology, mitosis and meiosis, bioenergetics, homeostasis genetics, respiration excretion, bones and muscles, nerves and immunity. This course is designed to build laboratory and field skills, scientific communication skills and critical thinking skills. Upon completion, students are prepared for post-secondary studies in biology, physiology and health sciences. This course qualifies for the BC Adult Graduation Diploma. Biology 62/63 is equivalent to Biology 051, and each is equivalent to Biology 12.

Pre-requisites: ENGL 52/53 or equivalent skills. A strong science background is recommended.
CHEM 125 - FOUNDATIONS OF CHEMISTRY II
CHEM 125: Fundamentals of Chemistry II is the continuation for either CHEM 110 or CHEM 122. The course consists of two major units: physical chemistry and organic chemistry. The study of physical chemistry begins with an investigation of reaction rates (kinetics), followed by the principles of equilibria applied to pure substances and aqueous solutions, and an introduction to the laws of thermodynamics. The second major unit is a survey of the field of organic chemistry; topics include the physical and chemical properties of alkanes and alkenes, stereochemistry, and addition, substitution, and elimination reactions. The laboratory work involves the measurement of physical and chemical properties as well as chemical syntheses.

Pre-requisites: CHEM 110 or CHEM 122 with a grade of "C" or better, or written permission of the Instructor and School Chair.

Course Credit: 3

CHEM 213 - ORGANIC CHEMISTRY II
CHEM 213: Organic Chemistry II is a continuation of CHEM 212. The survey of organic families continues with a study of aldehydes and ketones, carboxylic acid derivatives, aromatics and amines. The chemistry of a variety of compounds of biological interest is also discussed. The laboratory work involves synthesis and organic structure determination.

Pre-requisites: CHEM 212 with a grade of "C" or better, or written permission of the Instructor and School Chair.

Course Credit: 3

CHEM 220 - INTRODUCTORY INORGANIC CHEMISTRY
CHEM 220: Introductory Inorganic Chemistry examines the elemental and molecular properties of matter using modern concepts of atomic structure and bonding. Coordination chemistry is presented in detail through nomenclature, structure and bonding theories, physical and chemical properties, preparations and reactions for typical compounds. The laboratory work combines qualitative, quantitative and spectrophotometric analyses with the synthesis of a coordination compound.

Pre-requisites: CHEM 125 and MATH 101 each with a grade of "C" or better. This course is currently not running. See a Selkirk College counsellor for options.

Course Credit: 3

CHEM 222 - INTRODUCTORY PHYSICAL CHEMISTRY
CHEM 222: Introductory Physical Chemistry presents the basic concepts of chemical thermodynamics and equilibria. The properties of solutions, electrochemical reactions, acidic and basic systems are examined. The principles of reaction kinetics are introduced. In the laboratory, some quantitative properties of physicochemical systems are measured.

Pre-requisites: CHEM 125 and MATH 101 each with a grade of "C" or better, or written permission of the instructor and School Chair.

Course Credit: 3

CHEM 225 - PHYSICAL CHEMISTRY FOR BIO SCIENCES
CHEM 225: Physical Chemistry for Biosciences presents the basic concepts of chemical thermodynamics and kinetics that apply to biological systems. Students will explore why gases would behave differently at different conditions (e.g. deep sea diving, high altitude, other planets), how ideal engines function, why some reactions spontaneous, how do we explain the effect of salting roads in winter, how batteries and our metabolism generate energy, how kinetics is related to thermodynamics (why diamonds do not break down into graphene) and how we use of spectroscopy to explore biological structures. In the laboratory, quantitative properties of systems are measured, to illustrate the theory discussed in lectures.

Pre-requisites: CHEM 125 and MATH 100 with a grade of "C" or better, or written permission of the instructor and School Chair.

Course Credit: 3

CHEM 52/53 - CHEMISTRY - ADVANCED LEVEL
Advanced Chemistry is a course for students with little or no previous experience in chemistry. Topics covered include basic chemical properties, principles and procedures, nomenclature, and chemical reactions, acids and bases, and an introduction to organic chemistry. Lab experiments provide an opportunity to work with standard lab ware and apparatus, observe a variety of chemical compounds and reactions, and perform some quantitative measurements. Upon completion of Chemistry 52/53, students are ready to enter either Chemistry 62/63 - Provincial level or further post-secondary studies in chemistry. Equivalent Courses: Chemistry 52/53 is equivalent to Chemistry 050, and each is equivalent to Grade 11 chemistry.

Prerequisites: MATH 49.
Corequisites: MATH 52/53 should be taken concurrently.

CHEM 62/63 - CHEMISTRY - PROVINCIAL LEVEL
Chemistry is a study of practical chemistry intended for students preparing for post-secondary science studies. Topics include reaction kinetics, equilibrium, acid-base reactions, oxidation-reduction, and gas laws. The lab portion of this course develops skills in laboratory safety, chemistry lab procedures and techniques, data collection, analysis, and scientific communication. Upon completion of this course, students are ready to enter further post-secondary studies in chemistry. This course qualifies for the BC Adult Graduation Diploma. Chemistry 62/63 is equivalent to Chemistry 12.

Pre-requisites: Chemistry 52/53, Math 52/53 or equivalents. *For optimal success in this course a grade of C+ or higher is recommended.
Computer Science

CPSC 100 - INTRODUCTION TO PROGRAMMING I
An introductory object-oriented (OO) programming course with emphasis on basic programming constructs, algorithms, program design, and good programming practices. This course will introduce a high-level language to illustrate programming basics. Students will develop and test small OO programs which loop, make decisions, access arrays, define classes, instantiate objects, and invoke methods.

Pre-requisites: Pre-calculus 12, Foundations 12, MATH 051 or MATH 50 with a grade of "C" or better, or written permission of the Instructor and School Chair.

Course Credit: 3

CPSC 101 - INTRODUCTION TO PROGRAMMING II
This course is a continuation of CPSC 100 with emphasis on more advanced programming techniques and design, development and test of large applications. Students will write programs which make use of library functions to display graphical user interfaces, manage collections of data, access files and databases, and interact with other programs.

Pre-requisites: CPSC 100 with a grade of "C" or better.

Course Credit: 3

CPSC 132 - COMPUTER APPLICATIONS FOR BUSINESS (SUSPENDED)
This survey course, intended for Business Administration students, provides a general introduction to computer concepts and terminology, and the current and future use of computers in the business world. Students will learn the fundamentals of Microsoft Office applications in the lab sessions. Course delivery is mixed-mode: lectures will be delivered online, while labs will take place face-to-face in the computer labs. This course does not serve as a prerequisite for further computing science courses.

Pre-requisites: ENGL 12 or equivalent with a grade of "C" or better or written permission of the Instructor and School Chair.

Course Credit: 3

Geography

GEOG 130 - INTRODUCTION TO PHYSICAL GEOGRAPHY (LAB SCIENCE)
GEOG 130: Introduction to Physical Geography is a study of the natural processes which occur at/or near Earth’s surface in the biosphere, hydrosphere, atmosphere and lithosphere. Emphasis is placed on our local and regional physical geography as we examine: weather, climate, ocean currents, climate change; biogeography, soils, hydrology, and the development of slopes and fluvial landforms. An important component of the course is the integrated aspect of these natural processes and the influence of human activities on our landscapes. Throughout the course students will develop skills reading and interpreting data from maps, remotely sensed images, tables, graphs and text. Students will use this information to recognize patterns and solve problems. Students will practice making field observations and taking field notes.

Pre-requisites: Pre-calculus 11, Foundations 11, Principles of MATH 11 or equivalent with a grade of "C" or better or written permission of the Instructor and School Chair.

Course Credit: 3

GEOG 136 - GEOGRAPHY OF BRITISH COLUMBIA
British Columbia is one of the most diverse and richly endowed provinces in Canada, both in terms of its natural resources and its people. This introductory course will cover the physical geography (physiographic regions, geomorphology, climatology, and biogeography), resource issues (natural resources, industry, and conservation) and cultural geography (First Nations, ethnic diversity, rural and urban communities) of British Columbia. The course includes numerous field trips and hands on activities.

Pre-requisites: ENGL 12 with a grade of "C" or better or written permission of the Instructor and School Chair.

Course Credit: 3

GEOG 140 - INTRODUCTION TO CULTURAL GEOGRAPHY
GEOG 140: Introduction to Cultural Geography studies the relationships between culture, space, place, and the environment. A wide variety of cultures, their landscapes, and the changes they are undergoing will be examined through a geographic lens. Through Cultural Geography we will begin to understand cultural differences and open up new possibilities for solving our own problems as well as for viewing the rest of the world in less judgmental terms.

Pre-requisites: ENGL 12 with a grade of "C" or better or written permission of the Instructor and School Chair.

Course Credit: 3

Geology

GEOL 132 - INTRODUCTION TO PHYSICAL GEOLOGY
Earth’s origin, composition, structure and natural resources. Global and local examples of plate tectonics as the driving force for volcanism, mountain building and earthquakes. Imaging Earth’s interior and exploring its dynamic interaction with the surface. Introduction to rock and mineral identification. Surficial processes such as weathering, erosion and mass wasting and their relationship to the rock cycle.

Pre-requisites: English 12 with a grade of "C" or better or written permission of the Instructor and School Chair.

Course Credit: 3

GEOL 142 - INTRODUCTION TO HISTORICAL GEOLOGY

Pre-requisites: GEOL 132 with a grade of "C" or better or written permission of the Instructor and School Chair.

Course Credit: 3
Mathematics

MATH 090 - ALGEBRA AND TRIGONOMETRY I
This course is equivalent to Principles of Math 11 or Precalculus 11. It is also useful for those wishing to upgrade mathematics skills for career programs and trades training. The course includes: graphs, linear equations, functions, systems of equations, inequalities, polynomials and factoring, rational equations, exponents and radicals, quadratic equations, and trigonometry.

Pre-requisites: Math 49 or sufficient College Readiness Tool (CRT) score.

MATH 091 - ALGEBRA AND TRIGONOMETRY II
This course is a continuation of Algebra and Trigonometry I and is an equivalent to Principles of Math 12 or Precalculus 12. The course includes a review of basic algebra, functions, transformations, systems of equations, exponential and logarithmic functions, trigonometric functions, identities and equations, application of transcendental function, and arithmetic and geometric sequences and series. The course introduces counting and probability.

Pre-requisites: Pre-calculus 11, Principles of Math 11, MATH 050 or equivalent with a grade of "C" or better.

Course Credit: 1

MATH 097 - CALCULUS REFRESHER
MATH 097 is a refresher for MATH 100 and is held one week before fall classes start. This course takes a quick look at critical skills/topics needed to be successful in calculus; a review of graphs of basic functions, algebra, solving equations, trigonometry and exponential and logarithmic functions.

Course Credit: 1

MATH 098 - BUSINESS MATH REFRESHER
MATH 098 will help prepare you for the math component of the Business Administration program at Selkirk College. Topics include solving and graphing equations and problem solving skills.

Course Credit: 1

MATH 099 - ENVIRONMENT AND GEOMATICS MATH REFRESHER
This course will help prepare you for the math skills needed to complete the Environment and Geomatics program at Selkirk College. Topics include solving equations, trigonometry, and problem solving skills.

Course Credit: 1

MATH 100 - CALCULUS I
A course designed to provide students with the background in calculus needed for further studies. This course includes: a review of functions and graphs; limits; the derivative of algebraic, trigonometric, exponential and logarithmic functions; applications of the derivative including related rates, maxima, minima, velocity and acceleration; the definite integral; an introduction to elementary differential equations; and, applications of integration including velocity, acceleration, areas, and growth and decay problems.

Pre-requisites: Pre-calculus 12, Principles of MATH 12 or equivalent with a grade of "C+" or better, or written permission of the Instructor and School Chair.

Course Credit: 3

MATH 101 - CALCULUS II
This course is a sequel to MATH 100 for those students who wish to major in mathematics, sciences or applied sciences. The course includes: antidifferentiation and integration; the definite integral; areas and volumes; transcendental functions; techniques of integration; parametric equations; polar coordinates; indeterminate forms, improper integrals and Taylor's formula; and infinite series.

Pre-requisites: MATH 100 or equivalent with a grade of "C" or better, or written permission of the Instructor and School Chair.

Course Credit: 3

MATH 125 - BUSINESS MATHEMATICS
MATH 125: Business Mathematics is intended for first-year students enrolled in the Business Administration program. It stresses the mathematics required in financial processes. The course starts with a review of basic arithmetic and algebra. With these skills the student will solve several practical business problems. Topics include (but are not limited to) ratio and proportion, merchandising, break-even analysis, simple interest and promissory notes, compound interest and effective rates, simple and general annuities, annuities due and deferred annuities, amortization of loans and payment schedules, sinking funds and investment decision analysis.

Pre-requisites: Pre-calculus 11, Principles of Math 11, Foundations 11 or equivalent with grade of "C" or better.

Course Credit: 3

MATH 140 - CALCULUS I FOR SOCIAL SCIENCES
Calculus I for Social Sciences and Business is an introductory course in calculus designed to provide students majoring in business, the life sciences or the social sciences with the necessary mathematical background for further study in these areas. The course includes functions, limits, the derivative and its application, anti-differentiation and the indefinite integral and an introduction to differential equations.

Pre-requisites: Principles of Math 12 or MATH 110 or equivalent with grade of "C" or better, or permission of instructor.

Course Credit: 3

MATH 160 - TECHNICAL MATH REVIEW
This is a mathematical review course for first-year students in the School of Environment and Geomatics (SEG) diploma programs. This course will provide a review of mathematical concepts which you will need for your other SEG courses. Materials to be covered include: unit conversions, trigonometry, exponentials and logarithms, problem solving, slope calculations, distance and direction calculations.

Pre-requisites: Acceptance to SEG Diploma programs.

Course Credit: 3

MATH 180 - MATHEMATICS FOR TEACHERS
Math 180: Mathematics for Teachers, introduces future elementary school teachers and others to the mathematical content and principles of British Columbia elementary school curriculum. In the process of taking a theoretical and historical, in-depth look at the curriculum, students will be encouraged to develop comfort and confidence with mathematics as well as the ability to communicate mathematically and solve mathematical problems.

Pre-requisites: Pre-calculus 11, Foundations 11 or equivalent with a grade of "C" or better, or written permission of the instructor and School Chair.

Course Credit: 3

MATH 181 - PROBLEM SOLVING
Designed to follow MATH 180, Math 181: Problem Solving introduces students to more in depth problem solving on a smaller number of topics including probability, combinatorics and statistics, modular arithmetic, geometry, sequences and series, fractals, coding and other topics of interest. Students will solve problems in class in smaller groups and out of class individually. Students will develop problem solving ability as well as oral and written presentation skills. While intended for all non-science majors, this course is designed to be especially useful for students who want to prepare to teach math at the elementary school level.

Pre-requisites: Pre-calculus 11, Foundations 11 or Math 11 with a grade of "B" or better, Pre-calculus 12, Foundations 12 or MATH 12 with a grade of "C" or better; MATH 180 with a grade of "C" or better, or written permission of the Instructor and School Chair.

Course Credit: 3

MATH 190 - RESOURCE STATISTICS I
Math 190 is an introductory applied statistics course for environment and geomatics students. Topics include: types of data, descriptive statistics, probability and random variables, discrete probability distributions, continuous probability distributions, confidence intervals, sample size, and hypothesis testing.

Pre-requisites: MATH 150.

Course Credit: 3
MATH 221 - INTRODUCTORY LINEAR ALGEBRA
Math 221: Introductory Linear Algebra, provides an introduction to linear algebra and vector spaces. Topics covered in the course include the solution of systems of linear equations through Gaussian elimination; matrices and matrix algebra; vector spaces and their subspaces; coordinate mappings and other linear transformations; construction of Gram-Schmidt bases and least-square approximations. Although the course devotes a substantial amount of time to computational techniques, it should also lead the student to develop geometrical intuitions, to appreciate and understand mathematical abstraction and to construct some elementary proofs.
Pre-requisites: MATH 100 with a grade of "C" or better or written permission of the Instructor and School Chair.
Course Credit: 3

MATH 291 - RESOURCE STATISTICS II
This course is a continuation of Math 190 - Resource Statistics I. Topics include linear regressions and correlation, inferential statistics, confidence intervals, hypothesis testing, goodness of fit, contingency tables, and ANOVA.
Pre-requisites: MATH 190
Course Credit: 3

MATH 292 - RESOURCE STATISTICS III
This course is a continuation of Math 291 - Resource Statistics II. Topics include sampling techniques, experimental design and computer based application. Additional topics may include analysis of variance, non-parametric statistics or time series forecasting.
Pre-requisites: Math 291
Course Credit: 3

MATH 52/53 - INTRODUCTORY ALGEBRA – ADVANCED LEVEL
Introductory Algebra – Advanced level is for students to upgrade their skills in mathematics. This course covers the following topics: algebraic skills review, solving and graphing linear equations and inequalities, relations and functions, systems of linear equations and inequalities, operations with polynomials and polynomial functions, rational expressions and equations, radical expressions and equations, quadratic equations and functions, and an introduction to trigonometric functions. Upon completion of Math 52/53, students are ready to enter Math 62/63 (Pre-calculus 12 equivalent) or non-science or career post-secondary programs. This course qualifies for the BC Adult Graduation Diploma. This course is the equivalent to Math 050, and each is equivalent to Pre-calculus 11.
Pre-requisites: Math 49 or equivalent skill level *for optimal success a Grade of C+ is recommended.

MATH 56/57 - FOUNDATIONS MATHEMATICS - ADVANCED LEVEL
Foundations Math is designed for students interested in gaining entry to some non-science career programs and/or earning credit for their Adult Dogwood Diploma. Topics include financial math, measurement, algebra, geometry, probability, statistics, logical reasoning, and trigonometry. This course qualifies for the BC Adult Graduation Diploma. Equivalent Courses: Math 56/57 is equivalent to Foundations Math 11.
Pre-requisites: Math 46 or equivalent skill level.

MATH 62/63 - ALGEBRA AND TRIGONOMETRY - PROVINCIAL LEVEL
Algebra and Trigonometry is intended to prepare students for academic or technical post-secondary studies in mathematics, engineering or science. This course covers the following topics: review of basic algebra, functions and graphs including transformations, polynomial and rational functions, exponential and logarithmic functions, trigonometric functions, identities and equations, and arithmetic and geometric sequences and series. This course prepares students for further studies in math and sciences at the post-secondary level. This course qualifies for the BC Adult Graduation Diploma. This course is the equivalent to Math 051 and each is equivalent to Pre-calculus 12.
Pre-requisites: MATH 52/53 or equivalent.

Physics
PHYS 050 - BASIC PRINCIPLES OF PHYSICS
A college preparatory course. Topics include the study of motion, Newton's laws, momentum, energy, properties of matter, heat, sound, light, and electricity.
Pre-requisites: MATH 050 or equivalent; Math 050 may be taken may be taken concurrently with PHYSICS 050.
PHYS 060 - PHYSICS, PROVINCIAL LEVEL
Physics 060 is the equivalent of Physics 12 (Provincial Level Physics). It is intended as preparation for first-year university or college courses in physics. Core topics include two-dimensional kinematics and dynamics, electrostatics, electromagnetism, waves, and optics. Optional topics include fluids, DC and AC circuits, electronics, special relativity, quantum physics, and nuclear physics. Math 12 (or equivalent)
Pre-requisites: Physics 11 and Math 11 (or equivalents)

PHYS 102 - BASIC PHYSICS I
Physics 102 - Basic Physics I is an algebra-based survey of mechanics. Course material includes basic concepts of vectors, particle kinematics and dynamics, energy, momentum, circular and rotational motion, thermal properties of matter, vibrations and sound, and fluids.
Pre-requisites: Pre-calculus 12, Principles of Math 12, MATH 051, or MATH 060 and PHYS 11 or equivalent with a grade of "C" or better, or written permission of the Instructor and School Chair.
Course Credit: 3

PHYS 103 - BASIC PHYSICS II
A non-calculus survey of optics, electricity, magnetism, and modern physics. This course includes the topics of light, geometrical and physical optics, electrostatics, circuits, electro-magnetism, atomic and nuclear physics.
Pre-requisites: PHYS 102 with a grade of "C" or better or written permission of the Instructor and School Chair.
Course Credit: 3

PHYS 104 - FUNDAMENTAL PHYSICS I
A calculus-based survey of mechanics and thermodynamics. This course is designed for students interested in further study in Physical Science and Engineering.
Pre-requisites: PHYS 102 or equivalent with a grade of "C" or better or written permission of the Instructor and School Chair.
Course Credit: 3
PHYS 105 - FUNDAMENTAL PHYSICS II
A calculus-based survey of waves, sound, optics, electricity and magnetism. This course is designed for students interested in further study in Physical Science and Engineering.

Pre-requisites: PHYS 104 and MATH 100 with a grade of "C" or better or written permission of the Instructor and School Chair.
Course Credit: 3

PHYS 52/53 - INTRODUCTION TO PHYSICS – ADVANCED LEVEL
Introduction to Physics is the study of the fundamental laws of nature. This physics course aims to foster and develop, as part of general education, a scientific way of thinking and a basic knowledge of scientific ideas. Numerical examples and derivation of formulae will be algebra-based. The course will also foster understanding of science as an integral part of society’s culture and provide groundwork for further academic or career training. Physics 52 and 53 together are equivalent to Physics 050 and each is equivalent to Physics 11.

Pre-requisites: Principles of Math 10 or Foundations and Pre-Calculus 10 or Math 49. Co-requisites: Pre-Calculus 11 or Math 050 or Math 52/53.

PHYS 62/63 - PHYSICS - PROVINCIAL LEVEL
Physics is intended for students preparing for post-secondary science studies. This course explores the nature, scope, relevance and limitations of physics. Core topics include two-dimensional kinematics and dynamics, electrostatics, electromagnetism, waves, and optics. Optional topics include fluids, DC and AC circuits, electronics, special relativity, quantum physics, and nuclear physics. Upon completion of this course, students are ready to enter further post-secondary studies in physics. This course qualifies for the BC Adult Graduation Diploma. Physics 62/63 is equivalent to Physics 12.

Pre-requisites: PHYS 52/53 and MATH 52/53 or equivalents. Co-requisites: MATH 62/63 or equivalents.

Statistics

STAT 105 - INTRODUCTION TO STATISTICS
STAT 105: Introduction to Statistics is intended for social, environmental science and business students and others who would benefit from a one-term statistics course. General themes include descriptive statistics, probability, probability and sample distributions, confidence intervals and hypothesis testing.

Pre-requisites: Foundations of Math 12 or Pre-calculus 11 or equivalent, with a grade of "C+" or better, or written permission of the Instructor and School Chair.
Course Credit: 3

STAT 206 - STATISTICS
This course provides an introduction to statistical methods intended for students of Engineering or the Sciences. Descriptive statistics, probability and inferential statistics are covered at a level appropriate for students with some calculus background. The students will learn to calculate confidence intervals and perform hypothesis testing for experiments involving one and two samples. Linear regression and correlation may be introduced if time permits.

Pre-requisites: Math 100 or Math 120 or an equivalent calculus course that introduces integral calculus.
Course Credit: 3

STAT 306 - STATISTICS FOR HEALTH PROFESSIONALS
STAT 306: Statistics for Health Professionals will assist health professionals in understanding reports on issues of public health importance, including but not limited to: diseases and conditions, injuries, drug research, and life stages and populations. General themes include descriptive statistics, probability, probability and sample distributions, confidence intervals and hypothesis testing.

Pre-requisites: Prerequisites: Math 100 with a grade of "C+" or better, or written permission of the Instructor and School Chair.
Course Credit: 3

Applied Sciences

Engineering

APSC 100 - ENGINEERING GRAPHIC COMMUNICATIONS
This course is an introduction to the principles of graphical communication used in the engineering field. In this course the following topics are covered: orthographic projections; isometric drawings; section and auxiliary views; dimensioning; descriptive geometry topics including intersections and vector analysis; applications vary from geology/mining to truss analysis. Forms of data presentation are discussed including American and International standards. AutoCAD is a software tool commonly used in the presentation of graphical information. Topics covered in the use of AutoCAD include but are not limited to: template drawings and file management; setting limits, units, layers and line types; scale factors; drawing and editing commands; creating text and styles; dimensioning and styles; plotting; solid modeling and design; block creation; model vs. paper space.

Pre-requisites: Admission to Engineering.
Course Credit: 3

APSC 120 - INTRODUCTION TO ENGINEERING
A course designed to introduce students to the Engineering profession. Information on the profession, the branches of Engineering, and the work conducted by practicing Engineers in the different disciplines is provided. The course includes field trips to various industries and guest lectures by practising Engineers.

Pre-requisites: Admission to Engineering.
Course Credit: 1