



ACADEMIC CALENDAR

2015-16



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Add FSC
Logo here

ACADEMIC INFORMATION

Important Dates

selkirk.ca/admissions/enrolment-services/important-dates

January to April 2015

JANUARY 2015

- Jan 2 College campuses re-open
- Jan 2 Orientation for International Students – all programs
- Jan 5 First day of winter semester instruction (possible earlier start for apprentices, please check your program schedule)
- Jan 5 Last day for payment of winter semester tuition and other student fees
- Jan 5 English Language Program classes start
- Jan 9 Pharmacy Technician Semester 1 ends
- Jan 9 Early Alert Program starts
- Jan 12 Pharmacy Technician Semester 2 starts
- Jan 16 Last day to withdraw from classes with a 75% refund (domestic students)
- Jan 23 Last day to withdraw from classes with a 50% refund (domestic students) and not have course(s) shown on transcript. After this date refunds will not be granted.
- Jan 29 Electrical Foundation and Carpenter Foundation programs (August intake) end

FEBRUARY 2015

- Feb 2 Metal Fabricator, Carpenter Foundation and Electrical Foundation Programs start; tuition and student fees due
- Feb 6 Early Alert Program ends
- Feb 9 Family Day, college closed
- Feb 10 Reading Break, program reading breaks vary in length
- Feb 10–13 English Language Program continues
- Feb 15 Selkirk College General Scholarship Application Opens
- Feb 15 Selkirk College Entrance Award Application Opens
- Feb 23 English Language Program – Module 2 starts
- Feb 23–27 Student Engagement Survey

MARCH 2015

- Mar 5 Selkirk Career & Edu Fair, Castlegar Campus
- Mar 13 Last day to withdraw from winter semester or change to audit
- Mar 26 Welding Level C ends
- Mar 30 Specialty Metal Endorsement and Welder Level 3 Programs start; tuition and student fees due
- Mar 31 Selkirk College Entrance Award Application Closes

APRIL 2015

- Apr 3 Good Friday, college closed
- Apr 6 Easter Monday, college closed
- Apr 10 Winter semester instruction ends – most programs
- Apr 13 Pharmacy Technician On Campus lab starts
- Apr 13–21 Winter semester exams – consult your program for details
- Apr 17 Resort and Hotel Management winter term ends
- Apr 24 Graduation Ceremony
- Apr 30 International Student and English Language Program orientations
- Apr 30 Selkirk College General Scholarship Application Closes

May to August 2015

MAY 2015

- May 1 Made for Trades, Silver King Campus
- May 4 International Students Orientation – all programs
English Language Academic Intensive and Core Programs start
First day of spring/summer semester
Last day for payment of spring semester tuition and other student fees
- May 18 Victoria Day, college closed
- May 21 Experience Selkirk Day, Castlegar, Tenth & Victoria Street Campuses
- May 28 Millwright/Machinist and Fine Woodworking programs end
- May 29 Pharmacy Technician On Campus lab ends

JUNE 2015

- June 1 Fall semester registration begins
- June 26 Spring/summer semester ends – University Arts and Science courses

JULY 2015

- July 1 Canada Day, college closed
- July 3 Spring Academic English Language Program ends
- July 9 Metal Fabricator Foundation program ends
- July 16 Carpenter Foundation and Electrical Foundation Programs (February intake) end
- July 21 Summer Applied English: Leadership and the Environment Program starts

AUGUST 2015

- Aug 3 BC Day, college closed
- Aug 4 Carpenter Foundation and Electrical Foundation programs start; tuition and student fees due
- Aug 4 Ski Resort Operations and Management, Year 2, program starts; tuition and student fees due
- Aug 25-28 Pharmacy Technician online orientation starts

September to December 2015

SEPTEMBER 2015

- Sept 1 Orientation for International Students - all programs
- Sept 7 Labour Day, college closed
- Sept 8 First day of fall semester. Last day for payment of fall semester tuition and other student fees
- Sept 8 Castlegar Campus - Get Connected (Campus/Services orientation)
- Sept 8 English Language Program classes start
- Sept 9 Nelson Campuses - Get Connected (Campus/Services orientation)
- Sept 11 Early Alert Program starts
- Sept 14 Professional Cook 2 starts (14 weeks); tuition and student fees are due
- Sept 15 Selkirk College Bursary Application Opens
- Sept 21 Last day to withdraw with a 75% refund (domestic students)
- Sept 28 Last day to withdraw with a 50% refund (domestic students) and not have course/s shown on transcript. After this date refunds will not be granted

OCTOBER 2015

- Oct 1 Second year Resort and Hotel Management students return; tuition and student fees due
- Oct 9 Early Alert Program Ends
- Oct 12 Thanksgiving Day, college closed
- Oct 19 Plant Operator Program starts; tuition and student fees due
- Oct 26 English Language Program - Module 2 starts
- Oct 31 Selkirk College Bursary Application Closes

NOVEMBER 2015

- Nov 17 Last Day to withdraw from fall semester courses or change to audit
- Nov 11 Remembrance Day, college closed
- Nov 19 Intercultural Day
- Nov 30 English Language Program application deadline for January 2015

DECEMBER 2015

- Dec 1 Winter Semester registration begins
- Dec 11 Fall semester instruction ends - most programs
- Dec 14-22 Fall semester exams - consult your program for details
- Dec 24 - Winter break, college closed

Admission Requirements

selkirk.ca/apply

All students must satisfy the general admission requirements for the college as well as the stated requirements for their program.

General Admission Requirements

Admission to Selkirk College is open to anyone who:

- has graduated from a British Columbia Senior Secondary School or equivalent, OR
- who will be 19 years of age on the first day of classes for the term (mature student), OR
- is under 19 years of age but is:
 - » enrolled in a Secondary School Transitions Program, OR
 - » is enrolled in a program under agreement with the local School District, OR
 - » includes written consent from a parent or guardian and letters of support from individuals such as a school principal or health care provider, OR
- does not meet the above admission criteria but has received permission from the Registrar.

ENGLISH LANGUAGE ASSESSMENT

Applicants, whose first language is not English, or who have received their primary education in a language other than English, are required to provide proof of English Language proficiency in one of the following ways:

- Completion of BC English 12 with a minimum of C+ at an English curriculum secondary school where English is the primary language.
- Completion of International Baccalaureate (IB) English Language A (Higher Level) with a minimum grade of 3 or C.
- Completion of the Advanced 4 and 5 (or equivalent) of the Selkirk College English Language Program with a minimum of C+ (60%) average in core subjects and provincial level English 51, with at least a C+.
- Submission of an Official TOEFL score of 213 (CBT), or TOEFL (IBT) score of 79-80, or TOEFL (PBT) score of 550, or better.
- Submission of an EIKEN Grade Pre-1.
- Submission of an IELTS score of 6.0 overall with no band score less than 5.5.
- Submission of a score of 4 or better on the Language Proficiency Index (LPI) in conjunction with a satisfactory oral language interview with Selkirk International.
- Submission of a CELPIP – Academic test result with a minimum score of 4L in each component of the Academic test.
- Successful completion of an English Language Program that is part of the BC transfer system or is an officially approved pathway program with Selkirk International and Selkirk College.

All English Language Proficiency tests used as a basis for admissions must have been completed within the last three years.

ENGLISH LANGUAGE PROGRAM

Students applying for the English Language Program do not have to show proof of their language proficiency. Students are advised to confirm admission requirements at selkirk.ca/program/ESL/admission-requirements.

PRE-ADMISSION ASSESSMENT

Applicants **must** complete a pre-admission assessment in language and math skills. This assessment is conducted through the College Readiness Tool (CRT) and serves the purpose of providing information on the applicant's level of preparedness for the chosen program. Information collected through the CRT will be used to provide advice to applicants in developing an educational pathway directed to-ward meeting their educational goals. While it is **recommended** that all applicants complete the CRT, some programs require that the CRT be completed in order to be admitted to the program. Also, exemptions from the CRT, will be granted to applicants who have completed relevant post-secondary courses in Mathematics and/or English. To obtain an exemption, please provide an appropriate transcript to the Enrolment Office with your application.

For more information on CRT's, please contact Paris Voykin at pvoykin@selkirk.ca.

Program-Specific Admission Requirements

All Selkirk College programs have specific admissions requirements that must be met by applicants seeking admission to the program. These requirements will include academic prerequisites, required experience and/or other requirements relevant to the program.

These requirements are listed within each program section of this Calendar and on our website selkirk.ca. If you are unsure about the requirements for your program, please consult one of our Counsellors or Program contacts by phone at 1.888.953.1133 ext. 21273.

Admissions Procedure

APPLICATION

Most programs accept applications 12 months before the start date of the program. Industry & Trades applications may be received earlier. Acceptance to these programs is based on application date and completion of program admission requirements. Applications will be processed on an ongoing basis.

All required documents should be submitted as soon as possible with or after the application has been submitted to the College. Secondary and post secondary transcripts must be provided in order for the application to be considered complete. Students currently enrolled in secondary or other courses/programs must provide interim transcripts with their application.

Some programs have defined periods in which applications will be accepted. Late applications may be considered, subject to availability of a seat and program start date. Please check your specific program on the College website for further information in this regard.

Where programs are designated as competitive entry, both the opening and closing application dates will be posted at the respective program page on the College website. Completed applications and documentation must be received within these timeframes. Application closing dates may be extended at the discretion of the college.

Applicants who were not accepted into a program of study must re-apply to gain consideration for a subsequent entry date.

INTERNATIONAL STUDENT APPLICATION

- Students must send a completed Selkirk College application form, with official copies of all records of grades, to the Selkirk International Admissions Office.
- For reporting TOEFL scores to Selkirk College, the institution identifier is 0838.
- A non-refundable processing fee of \$100 must accompany each completed application for admission.

SELECTION

Applicants are accepted by the Enrolment Officer, in consultation with the appropriate School Chair, based on the timely submission of documentation that verifies that program requirements and prerequisites have been met.

Conditional acceptance may be granted to applicants who are unable to provide official transcripts or supporting documentation by the application deadline. An offer of conditional acceptance will identify outstanding admission requirements and timings that must be met for successful admission.

Offers of admission will go to candidates in the following sequence (except for programs with competitive admission):

- fully qualified applicants will be offered admission based on application date;
- partially-qualified domestic applicants may be conditionally accepted into a program on a first qualified, first served basis;
- qualified applicants who completed applications after the specified selection date, based on application date and seat availability.

Admission to specific programs or courses may be restricted by prerequisites requirements or space requirements.

Since many college programs/courses have mandatory prerequisites, students may be required to enrol in one or more upgrading or prerequisite courses, in which successful completion will be required prior to being accepted into the programs/courses.

ADMISSION REQUIREMENTS

selkirk.ca/apply

COMPETITIVE ADMISSION

For competitive entry programs, applicants meeting all the admissions requirements will be included in the applicant pool 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 applicants completed admissions packages.

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 in their admissions package. A seat offer must be accepted by the applicant and a seat deposit must be made by the offer-acceptance deadline or the offer will be considered to be declined and the seat will be offered to another student.

Once the program has been filled, a waitlist will be created for the current intake. The waitlist will also be populated according to the students' ranking.

Any applicant who is not admitted or does not take a seat in the given year must reapply if he or she wants to be considered in a subsequent year.

INTERNATIONAL STUDENT ACCEPTANCE

- The International Admissions Office will send an acceptance letter when admission requirements are met.
- International students are advised to contact the nearest overseas Canadian diplomatic mission for current visa regulations.
- After receiving notification of acceptance to Selkirk College, first term fees must be sent to the College.
- Some programs have limited enrollment, international students will be accepted to these programs when space is available.

NOTIFICATION

Applicants will be communicated with by phone/email/mail.

WINTER ADMISSION

Students may begin academic studies and college preparatory studies in January. Students who enrol for the first time in January may find that their choice of courses is limited and may not be able to take a full course load. If you intend to enrol for a January start, please consult a counsellor for additional information.

Tuition Fees

Tuition fees for credit courses are based on course hours. Applicants should refer to the program pages at selkirk.ca/programs for tuition and other fees, stated for domestic or international students. The stated fee amounts are in effect at the time of publication and may change prior to program start date. Stated fee amounts are intended to assist students in their financial planning.

Students enrolled in Cooperative Education programs are assessed according to the college fee schedule during on-campus study terms.

All fees are due and payable on or before the first day of class. Cheques must be payable to Selkirk College. Post-dated cheques will not be accepted.

Students are not permitted to re-register in any Selkirk College course until all financial obligations to the college have been met.

The Selkirk College Board reserves the right to revise fees without notice.

TUITION & FEE REFUNDS

Refunds are based on the date the student notifies the Registrar's Office, in writing, of a student's intent to withdraw from a course/program. A Course Registration Change form is normally used for this purpose. Forms are available online at selkirk.ca/current-students under Information & Forms.

DOMESTIC STUDENTS

- a. Students are eligible to receive a full refund (less non-refundable deposit amounts) if the withdrawal takes place prior to the course start date.
- b. A 75 percent tuition fee refund will be issued for course withdrawals that occur in the first 14 calendar days of the course.
- c. A 50 percent tuition fee refund will be issued for course withdrawals that occur during the 15th to 21st calendar days of the course.
- d. After the 21st calendar day of the course, no tuition fee refunds will be granted.
- e. Other student fee refunds will be based on the same refund schedule as above but are based on the number of courses, amount of the tuition fees and/or hours/credits enrolled.
- f. Health and Dental Fees are non-refundable after the "opt-out" deadline, communicated by the Student Union has passed.

Seat deposits are **NON-REFUNDABLE**.

INTERNATIONAL STUDENT REFUND POLICY

- a. Students who receive their study permit on the basis of their Selkirk College International Admissions letter and application and choose not to attend Selkirk College after arriving in Canada will not be refunded the first semester's tuition fees.
- b. Students, other than covered in a) above, are eligible to receive a 75 percent refund (less non-refundable deposit amounts and/or an administrative fee) if the withdrawal takes place prior to the course start date.
- c. A 50 percent tuition fee refund (less administrative fee) will be issued for course withdrawals that occur within the fourteen calendar days of the course.
- d. No refund will be issued after the 21st day of the course.
- e. Full refund, less an administrative fee, will be provided to students who do not receive their Canadian study permit.
- f. Withdrawal for medical reasons will be entitled to a full refund of tuition fees less an administrative fee. Students must notify Selkirk College in writing and provide documentation prior to the start of the term.
- g. Students who wish to defer their application and any fees that have been paid to the next semester must do so in writing prior to the start of the semester.
- h. International students who pay by wire transfer will receive their refund by wire transfer or other mechanism that ensures prompt payment of the refund. The cost of the wire transfer will be deducted from the refund amount.
- i. International students who have their tuition and other fees paid by a sponsor or relative will receive a refund to the same account and/or person from which it was received, unless other directions are received in writing. No further documentation will be required. It is the student's responsibility to provide the College with adequate information to complete the wire transfer.

CONTINUING EDUCATION AND WORKPLACE TRAINING

- a. A full refund will be given for withdrawals made 4 business days prior to course start date.
- b. 50 percent of the course fee will be refunded for withdrawals 1-3 business days prior to course start date.
- c. No refund will be provided if the withdrawal is within one business day prior to the course commencement.

FEES

MEDICAL AND/OR COMPASSIONATE CIRCUMSTANCES (CREDIT PROGRAMS – DOMESTIC STUDENTS)

Refunds issued for documented medical and/or compassionate reasons will be reduced by the amount of the non-refundable seat de-posit and will not exceed 75 percent of the assessed tuition and other fee amount.

SENIOR CITIZENS

Senior citizens (65+ years) may take courses and pay 50 percent of tuition and fees subject to availability of seats.

AUDIT FEE

Applicants must meet course admission requirements, obtain instructor permission, register and pay the regular tuition and fees.

SEAT DEPOSIT

Upon acceptance, all applicants are required to pay a minimum **non-refundable** seat deposit of \$100 to reserve their space in their program. The seat deposit for some programs may be higher.

ACTIVITY FEE

Students are assessed fees for Campus Recreation and Student Activities and are listed under fees on all program web pages.

SELKIRK COLLEGE STUDENT UNION

In addition to tuition fees, all students are required to pay Student Union Fees. Fees are set by the Selkirk College Student Union.

The Student Union has implemented a Health and Dental Benefits Plan. As a member of the Selkirk College Student Union, students are required either to pay a premium (fee) for this plan or to complete an opt-out process, within stated deadlines, available at selkirkstudents.ca. Please contact the Student Union office for more information.

MISCELLANEOUS FEES

AMOUNT	FEE	DESCRIPTION
\$36	Application	Non-refundable fee, must accompany the application for admission
\$35	Course Challenge	Course Challenge additional exam fee (students also pay regular tuition fee or a program specific exam challenge fee)
\$10.00	Course Outlines	Course outlines (pre 2010) \$10.00 for the first 20 pages, \$1.00 per page after 20 pages
\$10.00 / copy	Transcript	Official transcript of record
\$25	Document Copy	Associate Degree, Diploma, Certificate duplication
\$20	Grad Fee	Collected for Grad expenses

SPECIAL FEES

Programs may have additional fees to offset special program costs. Consult the program web page of your choice for details.

LATE PAYMENT FEE

A sixty dollar (\$60) late fee may be applied to overdue fees.

PRIOR LEARNING ASSESSMENT FEE

The regular course fee applies to credits granted as a result of Prior Learning Assessment (PLA). For more information refer to the program web page for contact information for each program.

LEARNING RESOURCE FEE

A fee of ten percent of course tuition is assessed to all students. The fees collected are allocated on an annual basis to upgrade computer labs, provide student access in the evening and weekends to computer labs and studios as well as on a project by project basis.

Our Academic Policies are available online at policies.selkirk.ca/college.

Students will be interested to review the following:

- 8600 – Pre-Admission Basic Skills Assessment
- 8610 – Admissions and Standards
- 8611 – Admissions
- 8612 – Grading
- 8613 – Evaluation of Student Learning
- 8614 – Advanced Standing
- 8615 – Standards of Academic Progress
- 8616 – Student Withdrawal & Refunds
- 8619 – Student Probation
- 8617 – Credentials and Graduation
- 8619 – Student Probation
- 3400 – Student Code of Conduct – Student Rights and Responsibilities

The admission, promotion and graduation requirements for each of our programs are stated in their applicable program policy. These program policies are also available online at the above link.

These policies will be updated and posted to our website on an ongoing basis.

Any questions or concerns regarding these regulations should be directed to the Registrar's office at 250.365.1257.

Transfer Credit

Students who have attended other post-secondary institutions may apply for transfer credit for courses completed. Students wishing to receive transfer credit are strongly advised to apply for transfer credit at the time of application to the program.

When transfer credit is to be used as a prerequisite, students need to apply for credit well before the semester in which the prerequisite must be met.

Depending on the nature of previous courses, transfer credit may be used to satisfy Selkirk's program requirements or to provide prerequisites for college courses. Up to 75 percent of a Selkirk College Certificate, Diploma or Associate Degree may consist of transfer credit obtained from studies completed at another accredited post-secondary institution.

Transfer credit accepted by Selkirk College may not be accepted by another institution, nor for the purpose of **Canada Student Loans or BC Provincial Loans**. This credit would not be considered part of your course load. A "P" or better is required to obtain transfer credit.

BC TRANSFER GUIDE

The BC Council on Admissions, and Transfer (BCCAT) is responsible for the facilitation of admission, articulation and transfer arrangements among the colleges, institutes, and universities in BC. This guide informs students about how courses and programs transfer between colleges and universities in BC. Please consult the online BC Transfer Guide at bctransferguide.ca for course transfer agreements between BC post-secondary institutions, including Selkirk College.

Courseload

FULL TIME STATUS

A normal college course load is equivalent to enrolment in 15 semester credit hours in a University Arts and Sciences program. Credit hours for other preparatory, trades and career programs vary. Consult our website for the full-time credit load for each of our programs. Students applying for a Canada Student Loan/ BC Provincial Loan must maintain full-time equivalent status as defined by the provincial student assistance program (minimum 60% course load).

PART-TIME STATUS

Students are considered part-time if they enrol in three or fewer courses, or if their total number of semester hours or units in any semester, term or session, are fewer than those specified for full-time status.

Part-time students are encouraged to enrol in Selkirk College programs. Some programs are open only to full-time students. Check with a counsellor for details.

AUDIT

A student who is interested in participating in a credit course but who does not wish to complete assignments, write examinations, or receive credit may enrol as an audit student provided space is available. Not all courses may be audited. Written permission to audit must be given by the instructor and School Chair.

College Services

Campus Services

BOOKSTORE

selkirk.ca/bookstore

CHILDCARE SERVICES

selkirk.ca/childcare-services

CONFERENCE SERVICES

selkirk.ca/conferenceservices

COSMETOLOGY SERVICES

selkirk.ca/cosmetology-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

ABORIGINAL SERVICES

selkirk.ca/aboriginal-services

ASSESSMENT SERVICES

selkirk.ca/assessment-services

CAREER PORTAL

selkirk.ca/career-portal

CO-OP EDUCATION & EMPLOYMENT SERVICES

selkirk.ca/cees

COACHING FOR SUCCESS

selkirk.ca/coaching-for-success

COUNSELLING SERVICES

selkirk.ca/counselling-services

DISABILITY SERVICES

selkirk.ca/disability-services

EARLY ALERT SUPPORT SYSTEM

selkirk.ca/early-alert-support-system

LEARNING SUCCESS CENTRES

selkirk.ca/learning-success-centre

OPTIONS FOR SEXUAL HEALTH

selkirk.ca/options-for-sexual-health

WRITING CENTRE

selkirk.ca/writing-centre

Athletics & Recreation

SELKIRK SAINTS

selkirk.ca/selkirkssaints

CAMPUS RECREATION

selkirk.ca/athletics

CASTLEGAR FACILITIES

selkirk.ca/castlegar-facilities

NELSON FACILITIES

selkirk.ca/nelson-facilities

CONTACT ATHLETICS & RECREATION

selkirk.ca/contact-athletics

PROGRAMS

2015-16

ACCREDITATION:

The BC Adult Graduation Diploma

CAMPUS:

Castlegar Campus

Program Summary

Adult Basic Education (ABE) helps you prepare for college, your career and life by offering high school level courses and support for you to learn. Our classrooms are relaxed and respectful, and our instructors are committed to your success. Books are supplied and tuition is free.

LEARN IN A RELAXED ATMOSPHERE

You will likely find that ABE is different from your previous school experiences. ABE instructors help you to reach your goals in a friendly, supportive, and relaxed atmosphere.

- Begin where you are right now and develop your study skills
- Take the courses you need to meet your goals
- Improve your understanding of course content
- Get help with difficult concepts from other courses
- Work out a schedule that suits your needs
- Understand the way you learn best
- Take a class or work on your own
- Get instruction and support when you need it to improve basic skills like reading, writing & math

LOCATIONS NEAR YOU

You can take ABE in Castlegar, Grand Forks, Kaslo, Nakusp, Nelson and Trail. Call an instructor in your community to find out how ABE can work for you. You can meet with an instructor to assess your present skill level and get help to decide which courses will meet your needs.

AREAS OF STUDY & SUPPORT

You can take just one course or design a program to meet your needs. ABE can help you complete prerequisite courses for entry into college or university, or to complete the BC Adult Graduation Diploma, the "Adult Dogwood".

Fundamental Courses (Pre Gr. 10)

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.

Course	Name	
EDCP 02	College Success Fundamental	On Campus
CPST 02	Fundamental Computer Studies	On Campus
SSK 01-06	Skills and Strategies for Fundamental Learning	On Campus
LSK01-06 and RSK 01-06	Fundamental English	On Campus
MSK01-06	Fundamental Math	On Campus
ESL-ABE 01-03	English as a Second Language in ABE	On Campus

Intermediate Courses (Grade 10)

Courses at the Intermediate level help prepare learners for further study or to complete the Foundation for Work Certificate.

Course	Name	
CPST 10	Computer Studies - Intermediate Level	On Campus
ESL-ABE 49	English as a Second Language - Intermediate Level in ABE	On Campus
ENGL 10	English - Intermediate Level	On Campus
MATH 46	Mathematics - Intermediate Level	On Campus
MATH 49	Introductory Algebra - Intermediate Level	On Campus
RSS 27	Reading and Study Skills - Intermediate Level	On Campus
SCIE 10	Science - Intermediate Level	On Campus
SOST 10	Social Studies - Intermediate Level	On Campus

Admission Requirements

Admission to Adult Basic Education (ABE) 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 ABE centre to determine availability.
- Most centres provide some evening upgrading classes.

ABE FUNDAMENTAL

- 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.

ABE INTERMEDIATE

- 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.

ADULT BASIC EDUCATION (ABE)

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Advanced Courses (Grade 11)

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."

Course	Name	
CHEM 52/53	Chemistry - Advanced Level	On Campus
CPST 52/53	Computer Studies - Advanced Level	On Campus
ESL-ABE 50	English as a Second Language in ABE - Advanced Level	On Campus
EDCP 50	College Success - Advanced Level	On Campus
ENGL 52/53	English - Advanced Level	On Campus
MATH 52/53	Introductory Algebra â Advanced level	On Campus
MATH 54	Applied Mathematics - Advanced Level	On Campus
MATH 56/57	Foundations Mathematics - Advanced Level	On Campus
PHYS 52/53	Introduction to Physics â Advanced level	On Campus
SOST 52/53	Social Studies - Advanced Level	On Campus
BIOL 52/53	Biology - Advanced Level	On Campus

ABE ADVANCED

- 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.

ABE PROVINCIAL

- 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

To be eligible to graduate with an "Adult Dogwood," adult students (19 years of age or over) must earn at least 20 credits in the secondary system or complete five courses in the post-secondary system. An 18-year-old who has been out of school for at least a year may be admitted to an adult program with approval from the enrolling institution. Courses and credits can be counted from either or both of the following areas:

PROVINCIAL EXAMS

In the secondary system, provincial exams are optional for students in an adult program. If the student chooses not to write a provincial exam, the grade will be reported with a "Q" code. It should be noted that some post-secondary institutions may not accept examinable courses for admission purposes unless the secondary system provincial exam has been written. Any course that

BC Secondary School Qualifying Course Credits

4 credits	Language Arts 12
4 credits	Mathematics 11 or 12
12 credits	3 Grade 12 Ministry-authorized courses (4 credits each)
12 credits	Social Studies 11 (4 credits) and 2 Grade 12 Ministry-authorized courses (4 credits each)

College ABE Qualifying Programs

A Provincial Level English or higher
An Advanced or Provincial Level or higher Mathematics
3 additional courses at the Provincial Level or higher
Advanced Social Sciences and 2 Provincial Level courses or higher

TOTAL 20 credits

5 courses

is authorized by either the Ministry of Education (4 credits) or the Ministry of Advanced Education as requirements for graduation may be used towards the BC Adult Graduation Diploma.

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. Available in Castlegar (as Biol 050), Grand Forks, Kaslo, Nakusp, Nelson, and Trail. To register, call the centre nearest you to meet with an ABE instructor.

Equivalent Courses: Biology 52/ 53 is equivalent to Biology 050, and each is equivalent to Biology 11.

Pre-requisites: ENGL 10 or equivalent skills. Some science background is preferred.

BIOL 62/63 – BIOLOGY – PROVINCIAL LEVEL

This biology course provides an introduction to cell biology and human physiology. Topics covered include cell biology, mitosis and meiosis, bioenergetics, homeostasis, genetics, circulation, respiration, excretion, bones and muscles, nerves and immunity. The 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. Available in Castlegar (as Biol 051), Grand Forks, Kaslo, Nakusp, Nelson, and Trail. To register, call the centre nearest you to meet with an ABE instructor.

Equivalent Courses: 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 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. Available in Castlegar (as Chem 050), Grand Forks, Kaslo, Nakusp, Nelson, and Trail. To register, call the centre nearest you to meet with an ABE instructor.

Equivalent Courses: *Chemistry 52/53 is equivalent to Chemistry 050, and each is equivalent to Grade 11 chemistry.*

Pre-requisites: MATH 49.

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, gas laws and organic chemistry. The lab portion of this course develops skills in safety, procedures, 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. May be available in Grand Forks, Kaslo, Nakusp, Nelson, and Trail. To register, call the centre nearest you to meet with an ABE instructor.

Equivalent Courses: *Chemistry 62/63 is equivalent to Chemistry 12.*

Pre-requisites: CHEM 52/53, MATH 50.

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. New students meet with an instructor at the campus nearest them to discuss their goals and current skills. Available in Castlegar, Grand Forks, Kaslo, Nakusp, Nelson, and Trail. 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

Provincial Courses (Grade 12)

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."

Course	Name	
EDCP 60	Education and Career Planning - Provincial Level	On Campus
EDSS 60	Student Success â Provincial level	On Campus
SOST 60	Social Sciences - Provincial Level	On Campus
BIOL 62/63	Biology - Provincial Level	On Campus
CHEM 62/63	Chemistry - Provincial Level	On Campus
CPST 62/63	Computer Studies - Provincial Level	On Campus
ENGL 62/63	English - Provincial Level	On Campus
HIST 62/63	History - Provincial Level	On Campus
MATH 62/63	Algebra and Trigonometry - Provincial Level	On Campus
PHYS 62/63	Physics - Provincial Level	On Campus
ENGL 65	English: Business and Technical Communication - Provincial Level	On Campus
ENGL 66/67	Essential English - Provincial Level	On Campus

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. Available in Castlegar, Grand Forks, Kaslo, Nakusp, Nelson, and Trail. To register, call the centre nearest you to meet with an ABE instructor.

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. Available in Castlegar, Grand Forks, Kaslo, Nakusp, Nelson, and Trail. To register, call the centre nearest you to meet with an ABE instructor.

Equivalent Courses: *Computer Studies 62/63 is equivalent to Computer Studies 12.*

Pre-requisites: CPST 52/53 or equivalent skill level.

EDCP 02 – COLLEGE SUCCESS FUNDAMENTAL

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, study skills, time & stress management, interpersonal/personal skills, living skills, job preparation, educational planning, diversity and critical thinking. New students meet with an instructor at a campus near them to discuss their goals. Call for an appointment in Castlegar, Grand Forks, Kaslo, Nakusp, Nelson, and Trail.

ADULT BASIC EDUCATION (ABE)

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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. Available in Castlegar, Grand Forks, Kaslo, Nakusp, Nelson, and Trail. To register, call the centre nearest you to meet with an ABE instructor.

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. Available in Castlegar, Grand Forks, Kaslo, Nakusp, Nelson, and Trail. To register, call the centre nearest you to meet with an ABE instructor.

Pre-requisites: EDCP 50 or equivalent skill level.

EDSS 60 – STUDENT SUCCESS – PROVINCIAL LEVEL

Student Success is intended to develop the learning skills, study strategies and self-awareness necessary for students to experience success as learners. Topics covered include challenges and advantages of learning as an adult; learning styles and associated study skills; test taking, time management, research, and technology skills; as well as communication and access to support and resources. This course qualifies for the BC Adult Graduation Diploma. Available in Castlegar, Grand Forks, Kaslo, Nakusp, Nelson, and Trail. To register, call the centre nearest you to meet with an ABE instructor.

ENGL 10 – ENGLISH – INTERMEDIATE LEVEL

This course helps students build core language skills in thinking, oral communication, reading, and writing. Students develop critical and creative thinking skills by analyzing various media, and they improve reading, research, and reference skills to better understand what they read. Students build speaking and listening skills through discussions and presentations. Students learn to use the steps of the writing process to write paragraphs, reports, letters, and essays, including descriptive, narrative, and expository pieces, with correct grammar, interesting vocabulary, and strong theme. Upon completion of English 10, students are ready to enter either English 50 - Advanced level or English 66 – Provincial level.

Available in Castlegar, Grand Forks, Kaslo, Nakusp, Nelson, and Trail. To register, call the centre nearest you to meet with an ABE instructor.

ENGL 52/53 – ENGLISH – ADVANCED LEVEL

This course is for adults to improve critical thinking, research, speaking, and writing skills to succeed in academic and technical programs. This course defines and uses the writing process to build effective communications such as essays, summaries, letters, reports, and reviews. Speaking and listening skills are developed through presentations. Available in Castlegar, Grand Forks, Kaslo, Nakusp, Nelson, and Trail. To register, call the centre nearest you to meet with an ABE instructor.

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. Available in Castlegar, Grand Forks, Kaslo, Nakusp, Nelson, and Trail. To register, call the centre nearest you to meet with an ABE instructor.

Equivalent Courses: 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 focusses 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. This course may be available in Castlegar, Grand Forks, Kaslo, Nakusp, Nelson, and Trail. To register, call the centre nearest you to meet with an ABE instructor.

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. It meets the English pre-requisite (Advanced English 50). 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. Available in Castlegar, Grand Forks, Kaslo, Nakusp, Nelson, and Trail. To register, call the centre nearest you to meet with an ABE instructor.

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.

Equivalent Courses: *History 62/63 is equivalent to History 12.*

Pre-requisites: *ENGL 52/53 or equivalent skills.*

LSK01-06 AND RSK 01-06**FUNDAMENTAL ENGLISH**

This course is for students who want to improve their communication and English language skills. Throughout the six levels of Fundamental English students will improve their reading and writing. They will build reading fluency and comprehension; improve critical thinking and vocabulary; as well as learn to analyze and summarize content. Students will write sentences, paragraphs, letters, and summaries; generate and organize their ideas; and edit their own work, using various sentence types and correct grammar. This course helps learners gain a better understanding of themselves and their communities and can improve confidence, self-reliance and self-awareness. This course is often paired with Skills and Strategies for Fundamental Learning. Students begin at the level that is right for them. To get started, students meet with an instructor at the campus nearest them to discuss their goals and assess their skills. Call for an appointment in Castlegar, Grand Forks, Kaslo, Nakusp, Nelson, and Trail. Upon completion of Fundamental English, students are ready to enter an Intermediate (grade 10) level English course.

MATH 46 – 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, trigonometry, graphing and polynomials. This course prepares students for most trades programs or to take Math 56/57 Foundations Mathematics – Advanced Level. Available in Castlegar, Grand Forks, Kaslo, Nakusp, Nelson, and Trail. To register, call the centre nearest you to meet with an ABE instructor.

Pre-requisites: *Meet with an ABE instructor to find out where to begin in math.*

MATH 49 – INTRODUCTORY ALGEBRA – INTERMEDIATE LEVEL

This course provides an introduction to algebra. Topics include a review of number functions, followed by an introduction to real numbers, equations and inequalities, polynomials, rational expressions, graphing linear equations and inequalities and systems of equations. A brief introduction to trigonometry completes this course. Completing this course prepares students for Math 50. Available in Castlegar, Grand Forks, Kaslo, Nakusp, Nelson, and Trail. To register, call the centre nearest you to meet with an ABE instructor.

Pre-requisites: *Meet with an ABE instructor to find out where to begin in math.*

MATH 52/53 – INTRODUCTORY ALGEBRA – ADVANCED LEVEL

Introductory Algebra is for adults to upgrade their skills in mathematics. This course covers the following topics: linear equations and inequalities, graphing linear equations and inequalities, systems of equations with two and three variables, operations with polynomials, rational and radical expressions, quadratic equations and functions, exponential and logarithmic functions, and an introduction to trigonometric functions. Upon completion of Math 52/53, students are ready to enter Math 62/63 (Math 12 equivalent) or non-science or career post-secondary programs. This course qualifies for the BC Adult Graduation Diploma. Available in Castlegar (as Math 050), Grand Forks, Kaslo, Nakusp, Nelson, and Trail. To register, call the centre nearest you to meet with an ABE instructor.

Equivalent Courses: *Math 52/53 is equivalent to Math 050, and each is equivalent to Pre-calculus 11.*

Pre-requisites: *Math 49 or equivalent skill level.*

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. Available in Castlegar, Grand Forks, Kaslo, Nakusp, Nelson, and Trail. To register, call the centre nearest you to meet with an ABE instructor.

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. Available in Castlegar, Grand Forks, Kaslo, Nakusp, Nelson, and Trail. To register, call the centre nearest you to meet with an ABE instructor.

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. Topics covered include a review of basic algebra, functions, graphs, polynomials, transformations, systems of equations, exponential and logarithmic functions, trigonometric functions, identities and equations, application of transcendental function, and arithmetic and geometric sequences and series. Upon completion of this course, students are prepared for further studies in math and sciences. This course qualifies for the BC Adult Graduation Diploma. Available in Castlegar (as Math 051), Grand Forks, Kaslo, Nakusp, Nelson, and Trail. To register, call the centre nearest you to meet with an ABE instructor.

Equivalent Courses: *Math 62/63 is equivalent to Math 051, each of which is equivalent to Pre-calculus 12.*

Pre-requisites: *MATH 52/53 or equivalent.*

MSK01-06 – FUNDAMENTAL MATH

This course is for students who want to improve skills in basic mathematics and problem solving. Throughout the six levels of Fundamental Math students will learn to add, subtract, multiply and divide whole numbers, decimals, and fractions; to use geometry and graphs; to work with ratios and percentages, and to convert metric measurements. Students begin at the level that is right for them. To get started, students meet with an instructor at the campus nearest them to discuss their goals and assess their skills. Call for an appointment in Castlegar, Grand Forks, Kaslo, Nakusp, Nelson, and Trail. Upon completion of Fundamental Math, students are ready to enter an Intermediate (grade 10) level Math course.

ADULT BASIC EDUCATION (ABE)

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PHYS 52/53 – INTRODUCTION TO PHYSICS – ADVANCED LEVEL

Introduction to Physics is intended to explore the nature, scope, relevance and limitations of physics. This course aims to foster and develop a scientific way of thinking and a basic knowledge of scientific ideas. Topics include a review of measurement and the study of kinematics and motion, dynamics and energy, Newton's laws, electricity and heat. Math and algebra are integrated into physics problems throughout the course. Upon completion of this course students are prepared for Physics 62/63 or to enter an introductory level college physics course. Available in Castlegar (as Physics 050), Grand Forks, Kaslo, Nakusp, Nelson, and Trail. To register, call the centre nearest you to meet with an ABE instructor.

Equivalent Courses: *Physics 52/53 is equivalent to Physics 050, and each is equivalent to Physics 11.*

Pre-requisites: *or Corequisites: MATH 50 or equivalent*

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. Available in Castlegar (as Physics 060), Grand Forks, Kaslo, Nakusp, Nelson, and Trail. To register, call the centre nearest you to meet with an ABE instructor.

Equivalent Courses: *Physics 62/63 is equivalent to Physics 12.*

Pre-requisites: *PHYS 52/53 and MATH 52/53*

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

This course is an introduction to scientific methods and knowledge. Biology, chemistry and physics are the foundation of the course, yet other topics, such as astronomy, geology, nutrition, and weather can be included. Hands-on lab exercises in this course help adults appreciate science and scientific methods. Science 10 prepares students for courses in biology, physics, and chemistry at the Advanced (50) 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

This Social Studies course is designed to provide an analytic and critical approach to social science topics. The course examines Canadian history, including indigenous peoples' history and European settlement; culture, including the study of indigenous cultures, multiculturalism, ethnicity and Canadian identity; Canadian government, law, citizenship; and the forces of economics. This course provides an opportunity to build awareness of some past and present forces shaping society. This course qualifies toward a BC Adult Graduation Diploma. Available in Castlegar, Grand Forks, Kaslo, Nakusp, Nelson, and Trail. To register, call the centre nearest you to meet with an ABE instructor.

Equivalent Courses: *SOST 52/53 is equivalent to Social Studies 11.*

Pre-requisites: *ENGL 10 or equivalent skills.*

SOST 60 – SOCIAL SCIENCES – PROVINCIAL LEVEL

A survey of the social and economic dynamics of Canada's Pacific Rim. The course examines issues from a historical, sociological, cultural, economic and geographic perspective. Students will be asked to analyze, clarify, evaluate, and organize information from a wide variety of disciplinary areas. Students meet with an instructor at the campus nearest them to discuss their goals and assess their skill level. Available in Grand Forks, Kaslo, Nakusp, Nelson, and Trail. This course prepares students for further studies in social sciences and is equivalent to a Grade 12 level social studies.

Equivalent Courses: *SOST 62 @ 63 are equivalent to SOST 60, and SOST 60 is equivalent to SOST 51.*

Pre-requisites: *ENGL 50 or equivalent skills.*

SSK 01-06 – SKILLS AND STRATEGIES FOR FUNDAMENTAL LEARNING

This course is for students who want to improve their learning and study skills. Throughout the six levels of Skills and Strategies for Fundamental Learning, students will learn to set goals, stay organized, work independently, ask for help, communicate effectively, think critically, manage their time and stress, work with a variety of learning technologies, develop strategies for learning and remembering and recognize their personal strengths. This course

is often paired with Fundamental English and Math courses. Students begin at the level that is right for them. To get started, students meet with an instructor at the campus nearest them to discuss their goals and assess their skills. Call for an appointment in Castlegar, Grand Forks, Kaslo, Nakusp, Nelson, and Trail. Upon completion of Skills and Strategies for Fundamental Learning, students are ready to enter a Intermediate (grade 10) level Education and Career Planning course.

Contacts

ALLISON ALDER
School Chair
Direct: 250.354.3214
Email: aalder@selkirk.ca

RACHEL WALKER
Admissions Officer (Castlegar)
Phone: 1.888.953.1133 ext 21233
Direct: 250.365.1233
Email: rwalker@selkirk.ca

NELSON ADMISSIONS
Silver King Campus, Nelson
Phone: 250.352.6601 ext 13220
Direct: 250.354.3220

DAYNA ESSON
Secretary, Continuing Education (Grand Forks)
Phone: 250.442.2704 ext 221
Fax: 250.442.2877
Email: desson@selkirk.ca

NELLA MITCHELL
Admissions Officer (Trail)
Phone: 250.368.5236 ext 770
Direct: 250.364.5770
Email: nmitchell@selkirk.ca

LENGTH OF STUDY:

Ongoing

CAMPUS:

Castlegar Campus

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
- Enhance employment readiness
- 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.
- Castlegar offers a part time program.
- Grand Forks offers a part-time program.
- 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.

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.

Contacts

ALLISON ALDER

School Chair
Phone: ext 13214
Direct: 250.354.3214
Email: aalder@selkirk.ca

NELSON ADMISSIONS

Silver King Campus, Nelson
Phone: 250.352.6601 ext 13220
Direct: 250.354.3220

DAYNA ESSON

Secretary, Continuing Education (Grand Forks)
Phone: 250.442.2704 ext 221
Fax: 250.442.2877
Email: desson@selkirk.ca

NELLA MITCHELL

Admissions Officer (Trail)
Phone: 250.368.5236 ext 770
Direct: 250.364.5770
Email: nmitchell@selkirk.ca

RACHEL WALKER

Admissions Officer (Castlegar)
Phone: 1.888.953.1133 ext 21233
Direct: 250.365.1233
Email: rwalker@selkirk.ca

ULLI MUELLER

CE Coordinator (Nakusp)
Phone: 250.265.4077
Email: umueller@selkirk.ca

SHARON WESTERHAUG

Clerk Typist
Phone: 250.353.2618 ext
Fax: 250.353.7121
Email: swesterhaug@selkirk.ca

Advanced Medical Transcription

selkirk.ca/amt

Course of Studies

SEMESTER 1

Course	Name		Credit
MTAT 146	Medical Office Procedures	Online	1
MTAT 150	History and Physical Examinations	Online	4
MTAT 152	Consultation Reports	Online	4
MTAT 154	Operative Reports	Online	4
MTAT 161	Clinic, Discharges, Diagnostics	Online	3
MTAT 176	Proofreading	Online	1
Total			17

SEMESTER 2

Course	Name		Credit
MTAT 164	Oncology	Online	3
MTAT 166	Radiology and Nuclear Medicine	Online	4
MTAT 172	Speech Recognition and Editing	Online	4
MTAT 170	Transcription Accuracy and Transcription Speed	Online	4
MTAT 180	Practicum	Online	3
MTAT 182	Home Business Basics	Online	1
Total			19

Program Summary

The Advanced Medical Transcription Program provides unique transcription training for the real-life challenges of the Medical Transcriptionist.

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

- Detailed medical terminology training
- Proper skills for dictation processing, proofreading and formatting
- Hands-on instructor and peer guidance through online discussion forums

- Authentic transcription files
- Three-weeks of intensive practicum experience in hospitals and medical clinics

This program encourages you to develop critical thinking and decision-making skills while applying appropriate medical terminology to each transcribed document. 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 practicum at the end of the program.

CONSIDER MEDICAL TRANSCRIPTION IF YOU

- Are detail-oriented
- Communicate well
- Enjoy working independently
- Like computer technology
- Easily use email and internet browsers

If you enjoy daily challenges and working with new technology, this 9-month (plus 3-week practicum) 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.

LENGTH OF STUDY:

Nine Months plus 3-week practicum

ACCREDITATION:

Certificate

CAMPUS:

Trail Campus

CAREER OPPORTUNITIES

Professionals in this specialized field are in high demand. With an Advanced Medical Transcription program certificate, graduates have been successful in obtaining employment with online medical transcription companies, hospitals and medical clinics as medical transcriptionists, editors and have even moved on to provide medical transcription technical support.

Admission Requirements

All prerequisites to the medical transcription program are offered online. Evidence of computer and internet skills from work experience or post-secondary certificate are also required.

- High school graduation transcript – acceptable equivalent or mature student status is also accepted.
- Medical Terminology levels I, II & III – MTAT 140, MTAT 141 & MTAT 142 or equivalent. These courses are available through Selkirk by distance education. If you believe you already have equivalent medical terminology, contact Instructor, amt@selkirk.ca
- 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)
- MTAT 142: Medical Terminology III: 30 hours (information on start dates and costs)
- Keyboarding speed of 50 nwpm – Provide proof of a keyboarding typing speed of 50 net words per minute in a three (3), five (5) minute typing tests. If you don't currently type 50 nwpm, courses are available through Selkirk College by distance education.
- Computer skills – Applied Business Technology Word Processing Courses or resume showing equivalent work experience demonstrating proficiency in the use of Microsoft Word. Provide course transcripts/certificates, or a letter from an employer outlining computer skills, and resume. Necessary skills include knowledge of internet, email, word processing and file management. If

you don't have these skills or have documentation to prove these skills, courses are available through Selkirk College by distance education.

- Basic skills assessment in reading and math. If you have completed the College Readiness Tool previously at Selkirk, it's not necessary to do it again.

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Important Dates

This Program has intakes in September and January of each year.

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Application Information

Download the Advanced Medical Transcription Application Package at <http://selkirk.ca/program/amt/application-information>

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

Before contacting the instructors, please download the pdf file for full information on prerequisites for the Advanced Medical Transcription Program along with how to find and register for online medical terminology courses.

Advanced Medical Transcription Program and Medical Terminology Information Package. Once the pdf file opens, the first page will give information on how to view the document. As each page opens, be sure to scroll down to the end of each page to review all the information.

|||||

Program Courses

MTAT 146 – MEDICAL OFFICE PROCEDURES

Learners are guided through setting up their computer as required for the Advanced Medical Transcription Program including installing doctor templates. The role of a medical transcriptionist is explored through a hospital interview and an assignments are required.

Pre-requisites: MTAT 142.

MTAT 150 – HISTORY AND PHYSICAL EXAMINATIONS

In this medical transcription course, students are introduced to various dictation styles and challenging accents of dictating physicians. Emphasis is placed on accurately transcribing history reports. Students transcribe authentic medical dictation applying correct forms and format, proofread, file and retrieve documents.

Pre-requisites: MTAT 146.

MTAT 152 – CONSULTATION REPORTS

In this medical transcription course, students are introduced to various dictation styles and challenging accents of dictating physicians. Emphasis is placed on accurately transcribing consultation reports. Students transcribe authentic dictation applying correct forms and format, proofread, file and retrieve documents.

Pre-requisites: MTAT 150.

MTAT 154 – OPERATIVE REPORTS

In this medical transcription course, students are introduced to various styles and challenging accents of dictating physicians. Emphasis is placed on accurately transcribing operative reports. Students transcribe authentic dictation applying correct forms and format, proofread, file and retrieve documents.

Pre-requisites: MTAT 152.

MTAT 161 – CLINIC, DISCHARGES, DIAGNOSTICS

In this medical transcription course, students are introduced to various dictation styles and challenging accents of dictating physicians. Emphasis is placed on accurately transcribing patient clinic notes, discharge summaries, and diagnostic tests (electroencephalograms [EEGs], electromyograms [EMGs] and electrocardiograms [ECGs], including stress tests and Holter monitors.) Students transcribe authentic medical dictation applying correct forms and format, proofread, file and retrieve documents.

Pre-requisites: MTAT 154.

MTAT 164 – ONCOLOGY

In this medical transcription course, students are introduced to various styles and accents of dictating physicians. Emphasis is placed on accurately transcribing oncology reports. Students transcribe authentic dictation applying correct forms and format, proofread, file and retrieve documents.

Pre-requisites: MTAT 161.

MTAT 166 – RADIOLOGY AND NUCLEAR MEDICINE

In this medical transcription course, students are introduced to various styles and accents of dictating physicians. Emphasis is placed on accurately transcribing radiology and nuclear medicine reports. Students transcribe authentic dictation applying correct forms, and format, proofread, file and retrieve documents.

Pre-requisites: MTAT 164.

MTAT 170 – TRANSCRIPTION ACCURACY AND TRANSCRIPTION SPEED

In this final medical transcription course, students apply the skills learned in previous transcription courses with the added aspect of increasing transcription speed to 50 minutes of dictation within a specified timeframe. Emphasis is placed on accurately transcribing patient histories, consultations and operative reports. Students have access to approximately 420 minutes of authentic dictation for practice, choose correct templates while applying correct format, proofread, file and retrieve documents. Prior to attempting the final transcription test, students transcribe 4 pretests for self evaluation.

Pre-requisites: MTAT 168.

MTAT 172 – SPEECH RECOGNITION AND EDITING

This course introduces students to the practice and science of speech-recognition editing technology in health care. This online course provides students with hands on experience applying basic and advanced speech-recognition editing technology and skills using the 3M ChartScript platform using authentic speech recognized drafts from actual physicians.

Pre-requisites: MTAT 166.

MTAT 176 – PROOFREADING

In this medical transcription course, proofreading skills are developed and tested in document content and report presentation following the rules of medical transcription.

Pre-requisites: MTAT 146.

ADVANCED MEDICAL TRANSCRIPTION

selkirk.ca/amt

MTAT 180 – PRACTICUM

A 3-week practicum is required for graduation. Students may choose to do the practicum with an online company or on site at a hospital or medical clinic. Students are eligible for practicums provided they have met the criteria in Departmental Policies on Practicum.

Pre-requisites: MTAT 170.

MTAT 182 – HOME BUSINESS BASICS

Students are given informative information which touches on some of the important aspects of a home-based medical transcription subcontracting business.

Pre-requisites: MTAT 180.

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Contacts

DISTANCE ADMISSIONS

Program Contact
Phone: ext 21425
Direct: 250.365.1425
Email: distanceadmissions@selkirk.ca

CHRISTETTE CROMARTY

Instructor
Phone: 250.368.5236 ext 774
Direct: 250.364.5774
Email: ccromarty@selkirk.ca

TERESA PETRICK

School Chair
Phone: 250.365.7292 ext 21442
Direct: 250.365.1442
Email: tpetrick@selkirk.ca

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 does 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, through-out 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.

Selkirk offers a FPM in anthropology. By successfully completing five anthropology courses, students can transfer to most institutions within BC and Yukon and have the pre-requisites to take upper division courses in anthropology. This does not guarantee admission or space in particular courses, but rather is designed to meet pre-requisite requirements for upper division courses through-out the province.

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

Admissions Officer (Castlegar)
Phone: 1.888.953.1133 ext 21233
Direct: 250.365.1233
Email: rwalker@selkirk.ca

UNIVERSITY ARTS & SCIENCES

Program Contact
Phone: 1.888.953.1133 ext 21205
Direct: 250.365.1205
Email: UAS@selkirk.ca

DAVID FELDMAN

School Chair, UAS, Instructor, Mathematics
Phone: 1.888.953.1133 ext 21331
Direct: 250.365.1331
Email: dfeldman@selkirk.ca

**FOR UNIVERSITY ARTS & SCIENCES
COURSE DESCRIPTIONS:**

see page 261

BC Electrical Code

selkirk.ca/program/bc-electrical-code

LENGTH OF STUDY:

Eight Months

ACCREDITATION:

Certificate of Completion

CAMPUS:

Silver King Campus, Nelson

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 2012 Canadian Electrical Code (22nd 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.

BC SAFETY AUTHORITY 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, represent 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 BC Safety Authority exam. This course qualifies as 'recognized' by the BC Safety Authority. This course is also excellent for those electricians, technologists or engineers that merely want to refresh their knowledge and update their skills to the latest edition of the code.

Admission Requirements

This continuous intake program is beneficial for Apprentices and Journeyman Electricians.

In order to be recognized for BC Safety Authority for application for a Class A, B or C Field Safety Representative examination the student must be a valid holder of an Interprovincial Standards Examination Certificate of Qualification in the trade of Electrician (Red Seal).

Contacts

COMMUNITY EDUCATION & WORKPLACE TRAINING

Phone: 866.301.6601 x13220 ext 13266
Direct: 250.354.3220
Fax: 250.352.3180
Email: code@selkirk.ca

NELSON ADMISSIONS

Silver King Campus, Nelson
Phone: 250.352.6601 ext 13220
Direct: 250.354.3220

JIM PATERSON

Instructor
Phone: 250.352.6601 ext 13291
Email: jpaterson@selkirk.ca, code@selkirk.ca

INDUSTRY & TRADES

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



LENGTH OF STUDY:

Four Months

ACCREDITATION:

Certificate of Completion

CAMPUS:

Silver King Campus, Nelson

represent 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 BC Safety Authority exam. This course qualifies as 'recognized' by the BC Safety Authority.

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 five lessons and five 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 2012 Canadian Electrical Code (22nd 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.

BC SAFETY AUTHORITY 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,

Admission Requirements

This is a continuous intake program.

In order to be recognized for 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

Program Contact
Phone: 866.301.6601 x13220 ext 13266
Direct: 250.354.3220
Fax: 250.352.3180
Email: code@selkirk.ca

NELSON ADMISSIONS

Silver King Campus, Nelson
Phone: 250.352.6601 ext 13220
Direct: 250.354.3220

JIM PATERSON

Instructor
Phone: 250.352.6601 ext 13291
Email: jpaterson@selkirk.ca, code@selkirk.ca

INDUSTRY & TRADES

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

Biochemistry

selkirk.ca/program/biochemistry

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.

SEMESTER 1

Course	Name		Credit
ENGLISH	English Requirement: ENGL 110 or ENGL 112	On Campus	3
CHEMISTRY	Chemistry Requirement: CHEM 110 or CHEM 122	On Campus	3
PHYSICS	Physics Requirement: PHYS 102 or PHYS 104	On Campus	3
BIOL 104	Biology I	On Campus	3
MATH 100	Calculus I	On Campus	3
Total			15

SEMESTER 2

Course	Name		Credit
ENGLISH	English Requirement: ENGL 111 or ENGL 114	On Campus	3
PHYSICS	Physics Requirement: PHYS 103 or PHYS 105	On Campus	3
BIOL 106	Biology II	On Campus	3
CHEM 125	Foundations of Chemistry II	On Campus	4
MATH 101	Calculus II	On Campus	3
Total			16

LENGTH OF STUDY:

Up to Two Years

ACCREDITATION:

General Assoc. of Science & Transfer to BSc

CAMPUS:

Castlegar Campus

Program Courses

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.

CHEM 125 – FOUNDATIONS OF CHEMISTRY II

This general chemistry course is the continuation of either Chemistry 110 or Chemistry 122. Chemistry 125: Foundations of Chemistry II begins with an investigation of intermolecular forces in liquids and solids, followed by the colligative properties of solutions. Next, it presents the principles of equilibria applied to pure substances and aqueous solutions of acids, bases and salts. The laws of thermodynamics applied to chemical substances are introduced. The field of organic chemistry is surveyed; topics include the physical and chemical properties of alkanes and alkenes, stereochemistry, and addition, substitution,

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 first-year 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

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.

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.

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. The 110/111 sequence is focused on the development of academic writing and research. 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. The 112/114 sequence is focused on the interpretation of literature.

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.

PHYSICS REQUIREMENT:
PHYS 102 OR PHYS 104

Students requiring first-year Physics have a choice of Physics 102 or Physics 104.

PHYSICS REQUIREMENT:
PHYS 103 OR PHYS 105

Students requiring first-year Physics have a choice of Physics 103 or Physics 105.

//
Contacts

UNIVERSITY ARTS & SCIENCES ADMISSIONS

Admissions Officer (Castlegar)
Phone: 1.888.953.1133 ext 21233
Direct: 250.365.1233
Email: rwalker@selkirk.ca

UNIVERSITY ARTS & SCIENCES

Program Contact
Phone: 1.888.953.1133 ext 21205
Direct: 250.365.1205
Email: UAS@selkirk.ca

DAVID FELDMAN

School Chair, UAS, Instructor, Mathematics
Phone: 1.888.953.1133 ext 21331
Direct: 250.365.1331
Email: dfeldman@selkirk.ca

**FOR UNIVERSITY ARTS & SCIENCES
COURSE DESCRIPTIONS:**

see page 261

Biology

selkirk.ca/program/biology

Course of Studies

The following is a suggested mix of courses to satisfy requirements for the Associate of Science degree in biology. Courses should be chosen only after consultation with a Selkirk College counsellor.

SEMESTER 1

Course	Name		Credit
ENGLISH	English Requirement: ENGL 110 or ENGL 112	On Campus	3
CHEMISTRY	Chemistry Requirement: CHEM 110 or CHEM 122	On Campus	3
PHYSICS	Physics Requirement: PHYS 102 or PHYS 104	On Campus	3
BIOL 104	Biology I	On Campus	3
MATH 100	Calculus I	On Campus	3
Total			15

SEMESTER 2

Course	Name		Credit
ENGLISH	English Requirement: ENGL 111 or ENGL 114	On Campus	3
PHYSICS	Physics Requirement: PHYS 103 or PHYS 105	On Campus	3
BIOL 106	Biology II	On Campus	3
CHEM 125	Foundations of Chemistry II	On Campus	4
MATH 101	Calculus II	On Campus	3
Total			16

LENGTH OF STUDY:

Up to Two Years

ACCREDITATION:

General Assoc. of Science & Transfer to BSc

CAMPUS:

Castlegar Campus

PROGRAM OUTCOMES

Our first-year program in biology will prepare you for entry into a second-year biology or biology-related program at most degree granting institutions. In addition, we are offering the unique Rural Pre-Medicine Program, which is the only one of its kind in Canada. The courses in this program also offer the ability of students interested in health sciences to complete their first two years at Selkirk College.

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.

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. You can complete your first year in our learner-centered environment and then transfer directly into second year at all British Columbia Universities. We also offer several second-year courses at Selkirk, which would apply toward your biology degree, wherever you choose to continue your studies. Please also refer to our Rural Pre-Medicine Program.

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.

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

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.

CHEM 125 – FOUNDATIONS OF CHEMISTRY II

This general chemistry course is the continuation of either Chemistry 110 or Chemistry 122. Chemistry 125: Foundations of Chemistry II begins with an investigation of intermolecular forces in liquids and solids, followed by the colligative properties of solutions. Next, it presents the principles of equilibria applied to pure substances and aqueous solutions of acids, bases and salts. The laws of thermodynamics applied to chemical substances are introduced. The field of organic chemistry is surveyed; 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.

CHEMISTRY REQUIREMENT:

CHEM 110 OR CHEM 122

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

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. The 110/111 sequence is focused on the development of academic writing and research. 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. The 112/114 sequence is focused on the interpretation of literature.

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.

PHYSICS REQUIREMENT:

PHYS 102 OR PHYS 104

Students requiring first-year Physics have a choice of Physics 102 or Physics 104.

PHYSICS REQUIREMENT:

PHYS 103 OR PHYS 105

Students requiring first-year Physics have a choice of Physics 103 or Physics 105.

Contacts

UNIVERSITY ARTS & SCIENCES ADMISSIONS

Admissions Officer (Castlegar)
Phone: 1.888.953.1133 ext 21233
Direct: 250.365.1233
Email: rwalker@selkirk.ca

UNIVERSITY ARTS & SCIENCES

Program Contact
Phone: 1.888.953.1133 ext 21205
Direct: 250.365.1205
Email: UAS@selkirk.ca

DAVID FELDMAN

School Chair, UAS, Instructor, Mathematics
Phone: 1.888.953.1133 ext 21331
Direct: 250.365.1331
Email: dfeldman@selkirk.ca

**FOR UNIVERSITY ARTS & SCIENCES
COURSE DESCRIPTIONS:**

see page 261

Blacksmithing Studio

selkirk.ca/program/blacksmithing

Course of Studies

SEMESTER 1

Course	Name		Credit
BLCK 121	Shop Cultures: Safety and Devices	On Campus	1.5
BLCK 123	Fabrication Techniques: Welded Forms	On Campus	4
BLCK 125	Design for Fabrication and Blacksmithing	On Campus	3.5
BLCK 127	Force, Stance, Direction: Primary Hammer Skills	On Campus	4
BLCK 129	Advanced Techniques: Conceptualize and Create	On Campus	4
BLCK 131	Production Processes	On Campus	3
	Total		20

LENGTH OF STUDY:

Four Months

ACCREDITATION:

Certificate

CAMPUS:

Victoria Street Campus, Nelson

and technical skill. The portfolio pieces may be of any medium and they need not be specific to studio preference. Applicants should give special attention to the following guidelines when preparing their portfolios.

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 eight and a maximum of twenty-four pieces.
- Portfolios should be brought to the interview and only mailed if, because of distance, the applicant is unable to attend their interview in person.
- 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.
- If an applicant includes slides or photographs, each must include a list of the materials used, size of the piece, title and date.

SUBMIT YOUR PORTFOLIO IN ONE OF THE FOLLOWING FORMATS

- Attach photo's directly at the bottom of questionnaire.
- Hard copy
- Portable storage device
- CD or DVD (jpeg format)
- Online portfolio (Tumblr, Behance, Flickr) emailed to: epotulicki@selkirk.ca

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

Admission Requirements

Admission to Kootenay Studio Arts programming (KSA) is by interview, online questionnaire and portfolio review.

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 using the Kootenay Studio Arts online form at <http://selkirk.ca/program/blacksmithing/admission-requirements>

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. These applicants must mail their portfolios to the school and ensure that they are received one week before their scheduled interview date. 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

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.

|||||
Important Dates

FALL 2015

- September 8 - Fall term begins
- October 15 (Tentative) - Field trips to local metalworking studios
- November (Tentative) Field trip: Damascus billet making at Goose Creek Forge
- December 11 - Fall classes end

* Dates subject to change

Field trip to Ridgeline Metal works, Krestova, BC.

Field trip to Goose Creek Forge, Slocan Valley, BC.

|||||
Application Information

Download the application package at:
<http://selkirk.ca/program/blacksmithing/application-information>

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.

|||||
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.

|||||
Contacts

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

JASON TAYLOR
School Chair
Phone: 250.352.6601 ext 11305
Direct: 250.505.1305
Email: jtaylor@selkirk.ca

KOOTENAY STUDIO ARTS CONTACT
Program Contact
Phone: 877.552.2821 ext
Email: epotulicki@selkirk.ca

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

Bronze Casting Studio

selkirk.ca/program/bronze-casting

Course of Studies

SEMESTER 1

Course	Name		Credit
CAST 122	Drawing and Design for Metal Casting	On Campus	4
CAST 124	How to Cast Bronze	On Campus	7
CAST 126	Exploration of Bronze	On Campus	7
CAST 128	Sculptural Modeling in Clay	On Campus	1.5
DA 141	3D Modeling	On Campus	1.5
Total			21

LENGTH OF STUDY:

Four Months

ACCREDITATION:

Certificate

CAMPUS:

Victoria Street Campus, Nelson

any medium and they need not be specific to studio preference. Applicants should give special attention to the following guidelines when preparing their portfolios.

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 eight and a maximum of twenty-four pieces.
- Portfolios should be brought to the interview and only mailed if, because of distance, the applicant is unable to attend their interview in person.
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- 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.
- If an applicant includes slides or photographs, each must include a list of the materials used, size of the piece, title and date.

SUBMIT YOUR PORTFOLIO IN ONE OF THE FOLLOWING FORMATS

- Attach photo's directly at the bottom of questionnaire.
- Hard copy
- Portable storage device
- CD or DVD (jpeg format)
- Online portfolio (Tumblr, Behance, Flickr) emailed to: epotulicki@selkirk.ca

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.

Admission Requirements

Admission to Kootenay Studio Arts programming (KSA) is by interview, online questionnaire and portfolio review.

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 using the Kootenay Studio Arts online form at <http://selkirk.ca/program/bronze-casting/admission-requirements>

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. These applicants must mail their portfolios to the school and ensure that they are received one week before their scheduled interview date. 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

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.

Important Dates

IMPORTANT DATES

JANUARY 2015

- January 5 - First day of winter semester instruction - fees due
- February 10 to 13 - Reading Break- note reading break may vary in length by program
- April 10 - Winter semester instruction ends
- April 24- Graduation Ceremonies

Application Information

Download the application package at:
<http://selkirk.ca/program/bronze-casting/application-information>

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.

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 7.5 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.

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.

Contacts

CAROL RIDGE

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

KOOTENAY STUDIO ARTS CONTACT

Program Contact
Phone: 877.552.2821 ext
Email: epotulicki@selkirk.ca

JASON TAYLOR

School Chair
Phone: 250.352.6601 ext 11305
Direct: 250.505.1305
Email: jtaylor@selkirk.ca

LAURA WHITE

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

Business Administration

selkirk.ca/business

Course of Studies

This course of studies 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.

Year 1

SEMESTER 1

Course	Name		Credit
COMM 220	Principles of Organizational Behaviour	On Campus	3
COMM 240	Financial Accounting I	On Campus	3
ECON 106	Principles of Macroeconomics	On Campus	3
MATH 125	Business Mathematics	On Campus	3
TWC 164	Introduction to Report and Letter Writing	On Campus	3
Total			15

SEMESTER 2

Course	Name		Credit
ADMN 171	Management Principles	On Campus	3
ADMN 181	Marketing	On Campus	3
COMM 241	Financial Accounting II	On Campus	3
ECON 107	Principles of Microeconomics	On Campus	3
STAT 105	Introduction to Statistics	On Campus	3
TWC 165	Oral Presentations and Skills Training	On Campus	3
Total			18

LENGTH OF STUDY:

Two Years

ACCREDITATION:

Diploma

CAMPUS:

Castlegar Campus

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 at <http://selkirk.ca/international/how-apply-selkirk-college>
- For further information email Selkirk's International Student Advisor, Tracy King at tking@selkirk.ca

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.

Program Summary

Business and finance specialists like human resource managers, marketing professionals, accountants, and entrepreneurs are among Canada's top 5 highest paid personnel.

Our Business Administration diploma helps elevate and leverage your skills to compete in these high-paying and dynamic careers.

YOU'LL BENEFIT FROM

- Flexible, full- or part-time studies
- Small class sizes and personalized attention
- Opportunities for real-world co-op work experience
- Participation in our business skills competition and career networking opportunities
- Transfer to a variety of degree programs
- Exchange opportunities in France and Australia

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.
- 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

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 5 to 6 courses per semester. With careful planning, you can complete the program in six semesters by taking 3 to 4 courses per semester. You can, however, take as little as one course per semester if that is all that will work for you.

Most Business Administration courses are offered once per year. We will work with you to plan a pathway through the course offerings to match them with your interests and goals, educational level, and available time. See suggested part-time course of studies on the following pages.

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

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 earn advance credit for your Chartered Professional Accountant (CPA), or other professional designations.

The Accounting and Finance 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. 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

- 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 CA and CGA accounting students. Students not pursuing CA or CGA designations may omit this course as it is not a diploma requirement. Please note the prerequisite for this course is MATH 100 or MATH 140.

Accounting/Finance (Year 2)

SEMESTER 3

Course	Name		Credit
ADMN 251	Intermediate Accounting I	On Campus	3
ADMN 252	Financial Management	On Campus	3
ADMN 253	Principles of Income Tax I	On Campus	3
ADMN 259	Auditing	On Campus	3
ADMN 269	Information Systems	On Campus	3
Total			15

ELECTIVES

Course	Name		Credit
ADMN 272	Commercial Law	On Campus	3
Total			3

SEMESTER 4

Course	Name		Credit
ADMN 250	Managerial Accounting	On Campus	3
ADMN 254	Intermediate Accounting II	On Campus	3
ADMN 255	Corporate Finance	On Campus	3
ADMN 257	Income Tax II	On Campus	3
ADMN 295	Business Policy	On Campus	3
Total			15

ELECTIVES

Course	Name		Credit
STAT 206	Statistics	On Campus	3
Total			3

Management

ADVANCEMENT WITH PROFESSIONAL MANAGEMENT.

Today's professional managers perform delicate balancing acts of planning, organizing, directing, and monitoring to achieve their company's fullest potential. Our Business Administration – Management program teaches you how to master these concepts and advance your career to maximize your salary earning potential.

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 curriculum 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
- Entrepreneurship
- Project management

If you're driven to excel, love to lead, and thrive on problem-solving, our program may be right for you.

This course of studies 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.

Management (Year 2)

SEMESTER 3

Course	Name		Credit
ADMN 230	Project Management	On Campus	3
ADMN 252	Financial Management	On Campus	3
ADMN 265	Operations Management	On Campus	3
ADMN 272	Commercial Law	On Campus	3
ADMN 286	Human Resource Management	On Campus	3
ADMN 293	Electronic Commerce	On Campus	3
Total			18

SEMESTER 4

Course	Name		Credit
ADMN 250	Managerial Accounting	On Campus	3
ADMN 255	Corporate Finance	On Campus	3
ADMN 295	Business Policy	On Campus	3
ADMN 296	International Business	On Campus	3
ADMN 297	Developing a Business Plan	On Campus	3
Total			15

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: Math 12 or equivalent.

ADMN 250 – MANAGERIAL ACCOUNTING

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.

ADMN 251 – INTERMEDIATE ACCOUNTING I

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 are an integral part of this course.

Pre-requisites: COMM 240/241 or equivalent.

ADMN 252 – FINANCIAL MANAGEMENT

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.

ADMN 253 – PRINCIPLES OF INCOME TAX I

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.

ADMN 254 – INTERMEDIATE ACCOUNTING II

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

Application Information

Download the application package at:
<http://selkirk.ca/program/business-administration/application-information>

BEFORE YOU START

- Please make sure you meet all admission requirements, including the general Business Administration program.
- International Students (students who are applying to Selkirk College from locations outside of Canada) should follow the application steps required by Selkirk International.

Program Courses

ADMN 171 – MANAGEMENT PRINCIPLES

Management Principles is an introduction to management theory, philosophy and techniques including the specialized areas of entrepreneurship, small business, and hospitality and service industries.

Pre-requisites: COMM 220 is recommended.

ADMN 181 – MARKETING

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.

ADMN 230 – PROJECT MANAGEMENT

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

shareholders' equity, future income tax benefits and liabilities, the cash flow statement, and full disclosure on financial reports.

Pre-requisites: ADMN 251 or equivalent.

ADMN 255 – CORPORATE FINANCE

Corporate Finance examines the raising and allocation of 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.

ADMN 257 – INCOME TAX II

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.

ADMN 259 – AUDITING

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 240/241 or equivalent.

ADMN 265 – OPERATIONS MANAGEMENT

Operations Management studies the operations fundamentals covering 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.

Accounting/Finance (Part-Time)

NOTE: This is just one example of a part-time plan for completing the Business Administration program. To develop a part-time plan that meets your individual needs, please contact the Program Advisor. Tuition and Fees will vary depending on how many courses you take at one time.

SEMESTER 1

Course	Name		Credit
COMM 220	Principles of Organizational Behaviour	On Campus	3
COMM 240	Financial Accounting I	On Campus	3
TWC 164	Introduction to Report and Letter Writing	On Campus	3
Total			9

SEMESTER 2

Course	Name		Credit
MATH 125	Business Mathematics	On Campus	3
ADMN 181	Marketing	On Campus	3
COMM 241	Financial Accounting II	On Campus	3
TWC 165	Oral Presentations and Skills Training	On Campus	3
Total			12

SEMESTER 3

Course	Name		Credit
ADMN 251	Intermediate Accounting I	On Campus	3
ADMN 252	Financial Management	On Campus	3
ADMN 253	Principles of Income Tax I	On Campus	3
Total			9

SEMESTER 4

Course	Name		Credit
STAT 105	Introduction to Statistics	On Campus	3
ADMN 254	Intermediate Accounting II	On Campus	3
ADMN 255	Corporate Finance	On Campus	3
ADMN 257	Income Tax II	On Campus	3
Total			12

SEMESTER 5

Course	Name		Credit
ECON 106	Principles of Macroeconomics	On Campus	3
ADMN 259	Auditing	On Campus	3
ADMN 269	Information Systems	On Campus	3
ADMN 272	Commercial Law	On Campus	3
Total			12

SEMESTER 6

Course	Name		Credit
ADMN 171	Management Principles	On Campus	3
ECON 107	Principles of Microeconomics	On Campus	3
ADMN 250	Managerial Accounting	On Campus	3
ADMN 295	Business Policy	On Campus	3
Total			12

Management (Part-Time)

NOTE: This is just one example of a part-time plan for completing the Business Administration program. To develop a part-time plan that meets your individual needs, please contact the Program Advisor. Tuition and Fees will vary depending on how many courses you take at one time.

SEMESTER 1

Course	Name		Credit
COMM 220	Principles of Organizational Behaviour	On Campus	3
COMM 240	Financial Accounting I	On Campus	3
TWC 164	Introduction to Report and Letter Writing	On Campus	3
Total			9

SEMESTER 2

Course	Name		Credit
MATH 125	Business Mathematics	On Campus	3
ADMN 181	Marketing	On Campus	3
COMM 241	Financial Accounting II	On Campus	3
TWC 165	Oral Presentations and Skills Training	On Campus	3
Total			12

SEMESTER 3

Course	Name		Credit
ECON 106	Principles of Macroeconomics	On Campus	3
ADMN 230	Project Management	On Campus	3
ADMN 252	Financial Management	On Campus	3
ADMN 286	Human Resource Management	On Campus	3
Total			12

SEMESTER 4

Course	Name		Credit
STAT 105	Introduction to Statistics	On Campus	3
ADMN 171	Management Principles	On Campus	3
ECON 107	Principles of Microeconomics	On Campus	3
ADMN 255	Corporate Finance	On Campus	3
Total			12

SEMESTER 5

Course	Name		Credit
ADMN 265	Operations Management	On Campus	3
ADMN 272	Commercial Law	On Campus	3
ADMN 293	Electronic Commerce	On Campus	3
Total			9

SEMESTER 6

Course	Name		Credit
ADMN 250	Managerial Accounting	On Campus	3
ADMN 295	Business Policy	On Campus	3
ADMN 296	International Business	On Campus	3
ADMN 297	Developing a Business Plan	On Campus	3
Total			12

ADMN 269 – INFORMATION SYSTEMS

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 system development will be studied with emphasis on systems analysis and design, internal controls, and proper documentation.

Pre-requisites: COMM 240/241 or equivalent.

ADMN 272 – COMMERCIAL LAW

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 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: Program admission standards.

ADMN 286 – HUMAN RESOURCE MANAGEMENT

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. The essential premise of Human Resources Management is that an organization's employees are its most vital asset in the accomplishment of its goals.

Pre-requisites: COMM 220 or permission of the instructor.

ADMN 293 – ELECTRONIC COMMERCE

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, COMM 240/241.

ADMN 295 – BUSINESS POLICY

Business Policy is a capstone course integrating the varied disciplines in business including accounting and finance, marketing, operations, economics, forecasting, and management philosophies into a comprehensive knowledge base which becomes a foundation for strategic planning. Analysis of business cases is a core component of the course.

Pre-requisites: ADMN 181, COMM 240/241 or equivalent.

ADMN 296 – INTERNATIONAL BUSINESS

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: None, but an Introductory Marketing course is recommended.

ADMN 297 – DEVELOPING A BUSINESS PLAN

Developing a Business Plan examines the process of researching and developing a business plan. A business plan provides a comprehensive frame work 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 181, COMM 241 or equivalent.

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: Program admission standards.

COMM 240 – FINANCIAL ACCOUNTING I

Financial Accounting I course 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: Grade 10 or equivalent.

COMM 241 – FINANCIAL ACCOUNTING II

Financial Accounting II is the next 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

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

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

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: Foundations of Math 11 or equivalent with grade of "C+" or better, or written permission of the Instructor and School Chair.

STAT 105 – INTRODUCTION TO STATISTICS

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

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

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 or ENGL 110.

BUSINESS ADMINISTRATION

selkirk.ca/business

Contacts

BUSINESS ADMISSIONS

Admissions Contact

Phone: 1.888.953.1133 ext 21324

Direct: 250.365.1324

Fax: 250.365.3929

Email: cridge@selkirk.ca

BUSINESS CONTACT

Program Contact

Phone: 1.888.953.1133 ext 21205

Direct: 250.365.1205

Fax: 250.365.1260

Email: business@selkirk.ca

TIFFANY SNAUWAERT

School Chair of Business/ Program Advisor/

Instructor

Phone: 1.888.953.1133 ext 21268

Direct: 250.365.1268

Fax: 250.365.1260

Email: TSnauwaert@selkirk.ca

LENGTH OF STUDY: Six Weeks
ACCREDITATION: Technical Training
CAMPUS: Silver King Campus, Nelson

Course of Studies

Course	Name	
CRPLN 190	Carpentry Apprenticeship Level 1	On Campus
CRPLN 290	Carpentry Apprenticeship Level 2	On Campus
CRPLN 390	Carpentry Apprenticeship Level 3	On Campus
CRPLN 490	Carpentry Apprenticeship Level 4	On Campus

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 (unregistered apprentices are admitted to levels 1 - 3, space permitting).

Each level of training consists of a full-time (30 hours per week), six-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.

CONSIDER CARPENTRY IF YOU ARE

- Detail-oriented
- Good with your hands
- Comfortable working with a team
- Hardworking and organized
- Easily adaptable to diverse environments
- Able to conceptualize and visualize finished products

Upon successful completion of the Level 4 technical training session, apprentices write 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.

APPRENTICESHIP REQUIREMENTS

- 720 in-class training hours, completed in four levels (6 weeks each)
- 6,480 practical workplace hours

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

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.

Important Dates

TRAINING SCHEDULE

2015

Level 4 January 5 - February 13

Level 2 February 16 - March 27

Level 1 March 30 - May 8 (subject to change due to enrollment numbers)

Level 2 September 28 - November 6

Level 3 November 9 - December 18

2016

Level 4 January 4 - February 12

Level 3 February 15 - March 24

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 conforming 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. Carpenters can advance to senior level positions such as foreperson, contractor or subcontractor where they can earn \$50 or more per hour.

Program Courses

CRPLN 190 – CARPENTRY APPRENTICESHIP LEVEL 1

- Safe Work Practices
- Documentation and Organizational Skills
- Tools and Equipment
- Survey Instruments
- Site Layouts
- Build Concrete Framework
- Frame Residential Housing
- Apply Building Science

Pre-requisites: Indentured in Carpentry Apprenticeship

CRPLN 290 – CARPENTRY APPRENTICESHIP LEVEL 2

- Safe Work Practices
- Documentation and Organizational Skills
- Tools and Equipment
- Survey Instruments
- Rigging and Hoisting Equipment
- Site Layout
- Build Concrete Formwork

Pre-requisites: Indentured in Carpentry Apprenticeship

CARPENTRY APPRENTICESHIP

selkirk.ca/carpentry-apprenticeship

CRPLN 390 – CARPENTRY APPRENTICESHIP LEVEL 3

- Documentation and Organizational Skills
- Tools and Equipment
- Survey Instruments
- Frame Residential Housing
- Apply Finishing Materials
- Apply Building Science

Pre-requisites: Indentured in Carpentry Apprenticeship

CRPLN 490 – CARPENTRY APPRENTICESHIP LEVEL 4

- Documentation and Organizational Skills
- Survey Instruments
- Site Layout
- Build Concrete Formwork
- Frame Residential Housing
- Apply Finishing Materials

Pre-requisites: Indentured in Carpentry Apprenticeship.

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Contacts

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

BRENDA WIEST
Admissions Officer
Phone: 250.352.6601 ext 13204
Direct: 250.354.3204
Email: bwiest@selkirk.ca

ROB SCHWARZER
School Chair
Phone: 250.352.6601
Fax: 250.352.3180
Email: rschwarzer@selkirk.ca

LENGTH OF STUDY:

24 Weeks

ACCREDITATION:

Certificate

CAMPUS:

Silver King Campus, Nelson

Program Summary

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.

ACE IT HIGH SCHOOL TRANSITIONS

This program qualifies for high school transitions. A program that is designed to help secondary school students get a head-start on their trades careers, while earning graduation credit, the BC Industry Training Authority (ITA) Accelerated Credit Enrollment in Industry Training (ACE IT) program is a perfect way to learn more about the industry. Speak with your high school guidance counsellor to learn more or get in touch with our ITT Admin Assistant by email or phone: 1.866.301.6601 ext. 13221.

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 11, or Applications 11, or Essentials 11, or ABE 46, with a grade of "C" or better
- Physically fit, (mobility/lifting) good manual dexterity, hand-eye coordination, balance, work at heights & in adverse weather
- 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.

Important Dates

2015

- January 29 - Summer Intake Ends
- February 2 - Winter Intake Begins
- July 16 - Winter Intake Ends
- August 4 - Summer Intake Begins
- January 28, 2016 - Summer Intake Ends

2016

- February 1 - Winter Intake Begins
- July 14 - Winter Intake Ends

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 conforming 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. Carpenters 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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BRENDA WIEST

Admissions Officer
Phone: 250.352.6601 ext 13204
Direct: 250.354.3204
Email: bwiest@selkirk.ca

ROB SCHWARZER

School Chair
Phone: 250.352.6601
Fax: 250.352.3180
Email: rschwarzer@selkirk.ca

Ceramics

selkirk.ca/ceramics

Course of Studies

SEMESTER 1

Course	Name		Credit
CERM 101	Wheel 1	On Campus	4
CERM 103	Hand Forming I	On Campus	4
CERM105	Introduction to Glaze Technology and Surface Treatment	On Campus	4
PPD 101	Drawing as a Basic Visual Communication	On Campus	3
PPD 103	Design as a Basic Visual Language	On Campus	3
PPD 104	Introduction to Digital Design Applications	On Campus	3
Total			21

SEMESTER 2

Course	Name		Credit
CERM 102	Wheel 2	On Campus	4
CERM 104	Hand Forming and Molding	On Campus	4
CERM 106	Ceramic Technology 2 - Surface and Kiln	On Campus	4
CERM 108	Studio Specific Design	On Campus	2
PPD 109	Professional Practice 1	On Campus	1.5
PPD 110	Professional Practice II	On Campus	2
Total			17.5

SEMESTER 3

Course	Name		Credit
CERM 114	Studio 2 - Glaze & Surface Development	On Campus	2.25
CERM 112	Studio 1 - Design for Production	On Campus	2.25
CERM 120	Self-Directed Studio 1	On Campus	2
Total			6.5

LENGTH OF STUDY:

10 Months

ACCREDITATION:

Certificate

CAMPUS:

Victoria Street Campus, Nelson

Admission Requirements

Admission to Kootenay Studio Arts programming (KSA) is by interview, online questionnaire and portfolio review.

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 using the Kootenay Studio Arts online form at <http://selkirk.ca/program/ceramics/admission-requirements>

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. These applicants must mail their portfolios to the school and ensure that they are received one week before their scheduled interview date. 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. Applicants should give special attention to the following guidelines when preparing their portfolios.

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

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 eight and a maximum of twenty-four pieces.
- Portfolios should be brought to the interview and only mailed if, because of distance, the applicant is unable to attend their interview in person.
- 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.
- If an applicant includes slides or photographs, each must include a list of the materials used, size of the piece, title and date.

SUBMIT YOUR PORTFOLIO IN ONE OF THE FOLLOWING FORMATS

- Attach photo's directly at the bottom of questionnaire.
- Hard copy
- Portable storage device
- CD or DVD (jpeg format)
- Online portfolio (Tumblr; Behance, Flickr) emailed to: epotulicki@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.

Important Dates

WINTER 2015

- Jan 5 - Winter term begins
- February 10 to 13 - Reading Week
- April 10 - Winter term ends
- April 13 to 17 - Critique week

SPRING 2015

- April 27 - Spring term starts
- June 19 - Spring term ends

*Regular programming starts in Fall

Application Information

Download Ceramics Studio Application at:
<http://selkirk.ca/program/ceramics/application-information>

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.

Program Courses

CERM105 – 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.

CERAMICS

selkirk.ca/ceramics

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. 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 109 – PROFESSIONAL PRACTICE 1

This course provides information to assist the emerging craftsperson, or designer to develop a career as a professional craftsperson/designer selling their work in a commercial context. A variety of approaches will cover three broad areas of study: Management, business, and marketing.

PPD 110 – PROFESSIONAL PRACTICE II

This course is designed to augment the ideas introduced in Professional Practice I, by providing students with practical applications of business & marketing issues for an emerging craftsperson/designer.

Contacts

CAROL RIDGE

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

KOOTENAY STUDIO ARTS CONTACT

Program Contact
Phone: 877.552.2821
Email: epotulicki@selkirk.ca

JASON TAYLOR

School Chair
Phone: 250.352.6601 ext 11305
Direct: 250.505.1305
Email: jtaylor@selkirk.ca

LAURA WHITE

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

Course of Studies

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.

SEMESTER 1

Course	Name		Credit
ENGLISH	English Requirement: ENGL 110 or ENGL 112	On Campus	3
CHEMISTRY	Chemistry Requirement: CHEM 110 or CHEM 122	On Campus	3
PHYSICS	Physics Requirement: PHYS 102 or PHYS 104	On Campus	3
MATH 100	Calculus I	On Campus	3
BIOL 104	Biology I	On Campus	3
Total			15

SEMESTER 2

Course	Name		Credit
ENGLISH	English Requirement: ENGL 111 or ENGL 114	On Campus	3
PHYSICS	Physics Requirement: PHYS 103 or PHYS 105	On Campus	3
CHEM 125	Foundations of Chemistry II	On Campus	4
MATH 101	Calculus II	On Campus	3
BIOL 106	Biology II	On Campus	3
Total			16

LENGTH OF STUDY:

Up to Two Years

ACCREDITATION:

General Assoc. of Science & Transfer to BSc

CAMPUS:

Castlegar Campus

Fragrance Developer, Hazardous Materials Manager, Inorganic Chemist, Materials Researcher, Medical Researcher, Metallurgist, Optometrist, Patent Agent, Pharmaceutical Researcher, Pharmacist, Researcher, Science Teacher, Toxicologist or Water Quality Inspector

PROGRAM OUTCOME(S)

Students who complete either CHEM 110 or CHEM 122 and 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
- The ability to think logically
- Respect for colleagues, willingness to think independently, and pride in presentation of work

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

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.

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,

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.

Year 2

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. Completion of this program would allow a student to enter third year of a B.Sc. program in Chemistry at UBC having met all first- and second-year course requirements. It is recommended that students take BIOL 206 as an elective, as that course is part of the third year of a chemistry degree. Students transferring to UVic should plan to take UVic's CHEM 213 immediately after transfer. Students are advised to ensure that their course selections will meet the degree requirements of the subsequent institution(s) they plan to attend.

Note: CHEM 220 and CHEM 211 are not currently offered. See a Selkirk College counsellor for options.

SEMESTER 3

Course	Name		Credit
CHEM 212	Organic Chemistry I	On Campus	3
CHEM 220	Introductory Inorganic Chemistry	On Campus	3
CHEM 211	Introductory Analytical Chemistry	On Campus	3
MATH 200	Multivariable Calculus	On Campus	3
ARTS I	First or Second Year Arts Requirement	On Campus	3
Total			15

SEMESTER 4

Course	Name		Credit
CHEM 213	Organic Chemistry II	On Campus	3
CHEM 222	Introductory Physical Chemistry	On Campus	3
MATH 221	Introductory Linear Algebra	On Campus	3
ARTS I	First or Second Year Arts Requirement	On Campus	3
UAS ELECT	General UAS Elective	On Campus	3
Total			15

CHEM 125 – FOUNDATIONS OF CHEMISTRY II

This general chemistry course is the continuation of either Chemistry 110 or Chemistry 122. Chemistry 125: Foundations of Chemistry II begins with an investigation of intermolecular forces in liquids and solids, followed by the colligative properties of solutions. Next, it presents the principles of equilibria applied to pure substances and aqueous solutions of acids, bases and salts. The laws of thermodynamics applied to chemical substances are introduced. The field of organic chemistry is surveyed; 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 211 – INTRODUCTORY ANALYTICAL CHEMISTRY

Introductory Analytical Chemistry, introduces students to the basics of quantitative analysis. Propagation of experimental error and the statistical analysis of replicate measurements will be used to assess the reliability of analytical results. Spreadsheets will be used to make manipulation of large pools of data more manageable. Specific analytical techniques to be investigated include titrimetry, electrochemistry, spectrophotometry and chromatography. In the lab, students will learn to make measurements that are both accurate and precise, and will analyze samples using the techniques listed above.

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

This course is currently not running. See a Selkirk College counsellor for options.

CHEM 212 – ORGANIC CHEMISTRY I

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 alkynes and alcohols is examined. Structure-determination techniques, including IR and NMR, are explored. The laboratory work of 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.

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.

CHEM 213 – ORGANIC CHEMISTRY II

Organic Chemistry II is a continuation of CHEM 212. The survey of organic families is continued with a study of aromatic compounds, alcohols, ethers, aldehydes and ketones, as well as carboxylic acids and carboxylic acid derivatives. 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.

CHEM 220 – INTRODUCTORY INORGANIC CHEMISTRY

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.

NOTE: This course is currently not running. See a Selkirk College counsellor for options.

CHEM 222 – INTRODUCTORY PHYSICAL CHEMISTRY

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.

**CHEMISTRY REQUIREMENT:
CHEM 110 OR CHEM 122**

Students requiring first-year Chemistry have a choice of CHEM 110: Fundamentals of Chemistry or 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. The 110/111 sequence is focused on the development of academic writing and research. 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. The 112/114 sequence is focused on the interpretation of literature.

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 200 – MULTIVARIABLE CALCULUS

This course is the sequel to Math 101. It is intended for students in science, mathematics and/or engineering. Topics include: three-dimensional vectors and the geometry of 3-D space; vector functions and the calculus of vector functions including applications to velocity, acceleration, normal and tangential vectors; functions of several variables; partial differentiation and applications; multiple integration and applications, cylindrical and spherical coordinates; and an introduction to vector analysis.

Pre-requisites: MATH 101 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 102 OR PHYS 104**

Students requiring first-year Physics have a choice of PHYS 102: Basic Physics I or PHYS 104: Fundamental Physics I

**PHYSICS REQUIREMENT:
PHYS 103 OR PHYS 105**

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

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 at <http://www.bctransferguide.ca> 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: rwalker@selkirk.ca

UNIVERSITY ARTS & SCIENCES

Program Contact
Phone: 1.888.953.1133 ext 21205
Direct: 250.365.1205
Email: UAS@selkirk.ca

DAVID FELDMAN

School Chair, UAS, Instructor, Mathematics
Phone: 1.888.953.1133 ext 21331
Direct: 250.365.1331

**FOR UNIVERSITY ARTS & SCIENCES
COURSE DESCRIPTIONS:**

see page 261

Classroom & Community Support Worker (CCSW)

selkirk.ca/ccsw

Email: dfeldman@selkirk.ca

Year 1

This certificate program ladders in to the Human Services Diploma option.

SEMESTER 1

Course	Name		Credit
CCSW 155	Foundations of Practice	On Campus	3
CCSW 156	Support Strategies	On Campus	3
CCSW 170	Augmentative Communication	On Campus	2
ENGL 110	College Composition	On Campus	3
HSER 174	Interpersonal Communications I	On Campus	3
PSYC 100	Introductory Psychology I	On Campus	3
Total			17

SEMESTER 2

Course	Name		Credit
CCSW 160	Classroom Support Strategies	On Campus	3
CCSW 161	Person-Centered Planning	On Campus	3
CCSW 165	Health and Wellness	On Campus	3
CCSW 179	Application of Theory to Practice	On Campus	1
CCSW 195	Practicum I	Practicum	3.5
FAM 180	Family Dynamics	On Campus	3
PSYC 101	Introductory Psychology II	On Campus	3
SSW 161	Introduction to Social Policy	On Campus	3
Total			22.5

ELECTIVES 3

Course	Name		Credit
CCSW 196	Practicum II	Practicum	5

LENGTH OF STUDY:

Nine Months / Two Years

ACCREDITATION:

Certificate / Diploma

CAMPUS:

Castlegar Campus

TRANSFER OPPORTUNITIES

Your CCSW 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 CCSW Certificate 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

- 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
- Completed résumé
- Completed Selkirk College application form
- Official transcripts of secondary and post-secondary education
- Two completed personal reference forms
- Completed health information form
- Complete college readiness tool (CRT) for reading and writing before registration
- Basic computer skills
- Criminal Record Check from Ministry of Justice
- A work reference based on 30 hours of paid or volunteer social services related work experience
- Driver's License recommended

Program Summary

Do you want a rewarding and challenging career and have a strong desire to support others? As a Classroom and Community Support Worker (CCSW), 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

- 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

Important Dates

- April 10 - Winter semester instruction ends
- April 13 to 21 - Winter semester exams

SPRING PRACTICUM 2015

Careers

The Certificate program prepares students to work with individuals across the lifespan in a variety of multi-disciplinary settings. Students become certified as educational assistants in schools or as support workers in residential, supported employment and recreational settings. Graduates of this program have a very high rate of employment following program completion. Students are prepared to continue their studies in diploma and degree programs. This certificate serves as a prerequisite for entry into the Human Services Diploma. Completion of the Human Services Diploma provides students with sufficient credit to enter third year of a Child and Youth Care, or a Bachelor of Community Rehabilitation, depending on the selection of elective courses.

Application Information

Download the Classroom and Community Support Worker Application Package at <http://selkirk.ca/program/ccsw/application-information>

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

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 160 – CLASSROOM SUPPORT STRATEGIES

This course focuses on integration of children into inclusive school situations with an emphasis on guidance approaches, teaching strategies, curriculum adaptation and the interrelationship of assessment and curriculum. Child development principles provide the basis for program planning and implementation. The importance of cultural diversity and the role of the educational assistant are stressed.

Please Note: This course is under revision, visit <http://selkirk.ca/program/ccsw/courses-fees/ccsw-certificate-year-1> for updates.

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

This course 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: from the perspective of the students' lives and also the lives of individuals with disabilities. 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. Topics include: stress management, diet and nutrition, aging, intimacy and relationships, immunity, safety, lifestyle, developing relationships and quality of life.

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 CCSW 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.

CCSW 195 – PRACTICUM I

This course 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 challenging conditions, to develop objective documentation skills and to observe the techniques and procedures used by on-site staff. This is a 17-day practicum beginning with two preparation days. A seminar, CCSW 179, will allow students time for integration of their work experience and peer support.

CCSW 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.

CLASSROOM & COMMUNITY SUPPORT WORKER (CCSW)

selkirk.ca/ccsw

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

This course is designed to provide students with a variety of theoretical perspectives to understanding families. It considers the diversity of families including exploration of cultural differences, same-sex parents, single parents and blended families. The role of marriage is examined, as well as childbearing and socialization. Issues such as middle age, empty nest, aging in the family, and special concerns such as chronic illness, disability, alcoholism, violence, and poverty are introduced.

Pre-requisites: ENGL 12 or equivalent.

HSER 174 – INTERPERSONAL COMMUNICATIONS I

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. Designed to help 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

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
Direct: 250.365.1233
Email: rwalker@selkirk.ca

TERESA PETRICK
School Chair
Phone: 250.365.7292 ext 21442
Direct: 250.365.1442
Email: tpetrick@selkirk.ca

CAMPUS:

Castlegar Campus

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
- PHYS 050
- PHYS 060

Visit <http://selkirk.ca/program/abe> or see *Adult Basic Education (ABE) information starting on page 3.*

**FOR UNIVERSITY ARTS & SCIENCES
COURSE DESCRIPTIONS:**

see page 261

Computer Science

selkirk.ca/program/computer-science

COMPUTER SCIENCE

LENGTH OF STUDY:

Up to One Year

ACCREDITATION:

General Assoc. of Science & 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. Courses include:

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

Contacts

UNIVERSITY ARTS & SCIENCES ADMISSIONS

Admissions Officer (Castlegar)

Phone: 1.888.953.1133 ext 21233

Direct: 250.365.1233

Email: rwalker@selkirk.ca

UNIVERSITY ARTS & SCIENCES

Program Contact

Phone: 1.888.953.1133 ext 21205

Direct: 250.365.1205

Email: UAS@selkirk.ca

DAVID FELDMAN

School Chair, UAS, Instructor, Mathematics

Phone: 1.888.953.1133 ext 21331

Direct: 250.365.1331

Email: dfeldman@selkirk.ca

**FOR UNIVERSITY ARTS & SCIENCES
COURSE DESCRIPTIONS:**

see page 261

Course of Studies

Year 1

SEMESTER 1

Course	Name	
COOK 100	Occupational Skills Theory/Practical	On Campus
COOK 100	Stocks Soups and Sauces	On Campus
COOK 100	Vegetables and Fruits	On Campus
COOK 100	Starches	On Campus
COOK 100	Meats	On Campus
COOK 100	Poultry	On Campus
COOK 100	Seafood	On Campus
COOK 100	Garde Manger	On Campus
COOK 100	Eggs and Breakfast Cookery and Dairy	On Campus
COOK 100	Baked Goods and Desserts	On Campus
COOK 100	Beverages	On Campus

SEMESTER 2

Course	Name	
COOK 101	Occupational Skills	On Campus
COOK 101	Stock, Soups and Sauces	On Campus
COOK 101	Vegetables and Fruits	On Campus
COOK 101	Starches	On Campus
COOK 101	Meat	On Campus
COOK 101	Poultry	On Campus
COOK 101	Seafood	On Campus
COOK 101	Garde Manger	On Campus
COOK 101	Eggs, Breakfast Cookery and Dairy	On Campus
COOK 101	Baked Goods, and Desserts	On Campus
COOK 101	Beverages	On Campus

LENGTH OF STUDY:

3-Term

ACCREDITATION:

Certificate

CAMPUS:

Tenth Street Campus, Nelson

ACE IT HIGH SCHOOL TRANSITION PROGRAMS

This program qualifies for high school transitions. A program that is designed to help secondary school students get a head-start on their trades careers, while earning graduation credit, the BC Industry Training Authority (ITA) Accelerated Credit Enrolment in Industry Training (ACE IT) program is a perfect way to learn more about the industry.

Speak with your high school guidance counselor to learn more. Get in touch with our ITT Admin Assistant by email or phone: 1.866.301.6601 ext. 13221

THIS PROGRAM IS HELD AT SELKIRK'S TENTH STREET CAMPUS IN BEAUTIFUL NELSON, BC.

Additional Information

Selkirk College offers two levels of the provincially standardized cooking program. This program is designed to provide skills and knowledge for students/graduates to become competent, professional, frontline employees. A certificate will be issued to those who successfully complete Professional Cook 1 and Professional Cook 2.

PROFESSIONAL COOK 1

Cook 1 is a 28-week 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 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.

Program Summary

Your culinary career can take you all over the world with employment options in 5-star dining rooms to crafting perfect eggs benedict 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 Level 1 and Level 2 Industry Training Authority (ITA) 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.

COOK TRAINING, PROFESSIONAL

selkirk.ca/cook

Year 2

3-Term Certificate at Tenth Street Campus, Nelson, Nelson.

SEMESTER 3

Course	Name	
COOK 200	Occupational Skills	On Campus
COOK 200	Stocks, Soups and Sauces	On Campus
COOK 200	Vegetables and Fruits	On Campus
COOK 200	Starches	On Campus
COOK 200	Meats	On Campus
COOK 200	Poultry	On Campus
COOK 200	Seafood	On Campus
COOK 200	Garde Manger	On Campus
COOK 200	Baked Goods and Desserts	On Campus

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.

Program Courses

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.

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.

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.

MATH REQUIREMENTS

Download Math Requirements at <http://selkirk.ca/program/cook/admission-requirements>

Important Dates

2015

- September 8 - Fall term begins
- December 15 - Fall term ends

2016

- January 4 - Winter term begins
- February 9-12 - Reading Break
- April 8 - winter term ends

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.

Application Information

Download the Cook Training, Professional Application Package and view Apprenticeship Guide at <http://selkirk.ca/program/cook/application-information>

BEFORE YOU START

- Please make sure you meet all admission requirements, including the general admission requirements for the college and the specific

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 TRAINING, PROFESSIONAL

selkirk.ca/cook

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.

Cost Management

Managing costs and inventory is essential to any

foodservice establishment. Cooks must be able to follow routine cost management procedures on a daily basis.

Ingredients and Nutritional Properties

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

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'Oeuvre 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.

Contacts

RON MATTHEWS

Instructor
Phone: 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

Creative Writing

selkirk.ca/program/creative-writing

Year 1

The following is a suggested mix of courses to satisfy requirements for the Associate of Arts degree in English (Writing Studies). Courses should be chosen only after consultation with a Selkirk College counsellor.

SEMESTER 1

Course	Name		Credit
CWRT 100	Studies in Writing I	On Campus	3
ENGLISH	English Requirement: ENGL 110 or ENGL 112	On Campus	3
MATH SCI	Mathematical Science Elective for Arts	On Campus	3
SOC SCI	Social Science Elective	On Campus	3
HUMANITIES	Humanities Elective	On Campus	3
Total			15

SEMESTER 2

Course	Name		Credit
CWRT 101	Studies in Writing II	On Campus	3
ENGLISH	English Requirement: ENGL 111 or ENGL 114	On Campus	3
HUMANITIES	Humanities Elective	On Campus	3
SOC SCI	Social Science Elective	On Campus	3
LAB SCI (a)	Laboratory Science Elective	On Campus	3
Total			15

Year 2

SEMESTER 3

Course	Name		Credit
CWRT 200	Studies in Writing III	On Campus	3
ENGL 200	A Survey of English Literature I	On Campus	3
ENGL LIT	Topics in Literature: ENGL 202 or ENGL 204	On Campus	3
OPEN SCI	Science Elective	On Campus	3
UAS ELECT	General UAS Elective	On Campus	3
Total			15

SEMESTER 4

Course	Name		Credit
CWRT 201	Studies in Writing IV	On Campus	3
ENGL 201	A Survey of English Literature II	On Campus	3
ENGL LIT	Topics in Literature: ENGL 203 or ENGL 205	On Campus	3
UAS ELECT	General UAS Elective	On Campus	3
UAS ELECT	General UAS Elective	On Campus	3
Total			15

LENGTH OF STUDY:

Two Years

ACCREDITATION:

Associate of Arts Degree

CAMPUS:

Castlegar Campus

Program Summary

Creative Writing will teach you the intricacies and nuances of how a story gets told.

PROGRAM OVERVIEW

For writers, only trouble is interesting. Learning the craft of writing teaches us how to access our imaginations, articulate our passions, and get ourselves into and out of trouble. Reading is the cornerstone of any good writing program, and while we learn how to write we will also learn how to read with more focussed attention. This program teaches the intricacies and nuances of how a story gets told, where the turns are in a poem, and why character and language apply to everything we write. The Associate of Arts Writing degree offers a broad range of electives from the sciences, social sciences, and humanities to support your imaginative writing.

BECOME A SKILLFUL WRITER

Communications, creative writing, technical writing and journalism clearly have something in common: the need to write well. But did you know there's also a high number of professional careers where excellent writing skills are in high demand? As the world moves to a more communicative place, embracing mediums like social media, employers are more and more seeking staff who can get their message across clearly and effectively. We can make sure you're one of the top leaders in this trend.

Professions like journalists, public relations and communications professionals are quickly on the rise as industries and companies embrace the new media revolution. Be at the forefront of this developing trend and put your technical skills on the career map.

YOU HAVE A WAY WITH WORDS

You've always wanted to bare your soul in literary forms like prose and poetry, and now you're ready to take those skills to the next level in your professional career.

Our instructors will take you through the writing process from generating ideas to putting them down on paper in a meaningful way. At the end of the program, you'll have a writing portfolio of your

work and be ready for both further education and the workforce, depending which you choose.

You'll be immersed in the literary world and get professional training in:

- Literary criticism
- Communications
- Freelance writing
- Imaginative writing
- Fiction and non-fiction
- Poetry
- Drama

Admission Requirements

In addition to fulfilling the program requirements for a general Associate of Arts degree, to earn an associate degree in English (Writing Studies), a student must complete the following requirements:

- At least 18 credits of English courses at the 100 and 200 level. These credits should include ENGL 112, ENGL 114, ENGL 200, ENGL 201 and CWRT 210 - Ecopoetics.
- Four Writing Studies courses - CWRT 100, CWRT 101, CWRT 200 and CWRT 201. These should be taken in place of one arts elective each semester.

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 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 English 112/114.

CWRT 200 – STUDIES IN WRITING III

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 genres⁴ 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.

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.

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

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. The 110/111 sequence is focused on the development of academic writing and research. 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. The 112/114 sequence is focused on the interpretation of literature.

YOU MAY ALSO BE INTERESTED IN:

Writing Studies
see page 257

CREATIVE WRITING

selkirk.ca/program/creative-writing

HUMANITIES ELECTIVE

Students have the choice of any course from the list of 100 or 200 level Humanities courses offered by Selkirk.

- English
- French
- History
- Peace Studies
- Spanish
- Creative Writing
- A foreign language is recommended.

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.

- 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.

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 at <http://www.bctransferguide.ca> 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: rwalker@selkirk.ca

UNIVERSITY ARTS & SCIENCES

Program Contact
Phone: 1.888.953.1133 ext 21205
Direct: 250.365.1205
Email: UAS@selkirk.ca

DAVID FELDMAN

School Chair, UAS, Instructor, Mathematics
Phone: 1.888.953.1133 ext 21331
Direct: 250.365.1331
Email: dfeldman@selkirk.ca

Course of Studies

SEMESTER 1

Course	Name	On Campus	Credit
RHOT 150	Tourism:An Industry Perspective	On Campus	3
RHOT 159	Business Communication	On Campus	3
RHOT 162	Supervisory Food and Beverage Service	On Campus	3
RHOT 250	Hospitality Marketing I	On Campus	3
RHOT 269	Accounting	On Campus	3
Total			15

WORK TERM

RHOT 171	Work Term	On Campus
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SEMESTER 2

Course	Name	On Campus	Credit
RHOT 153	Organizational Leadership for the Resort Industry	On Campus	3
RHOT 254	Hospitality Human Resources Management	On Campus	3
RHOT 265	Food Service Management	On Campus	3
RHOT 268	Entrepreneurial Training	On Campus	3
RHOT 272	Hospitality Law	On Campus	3
Total			15

LENGTH OF STUDY:

One Year

ACCREDITATION:

Diploma

CAMPUS:

Tenth Street Campus, Nelson

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.

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 level 1&2 program or anyone with Red Seal Journeyman Chef accreditation. Gain the skills to manage, own or operate a food and beverage business.

COURSE TOPICS INCLUDE

- Business communication and marketing
- Food and beverage cost controls and accounting
- Food service management

- Hospitality human resources
- Hospitality law
- Organizational leadership and entrepreneurial training
- Tourism: An Industry Perspective

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

Additional Information

The successful chef or food and beverage entrepreneur of today requires more than just great culinary skills to be successful in today's hospitality industry. Successful chefs, food and beverage leaders and/or restaurant owners today need business, leadership and human resource skills in addition to a strong culinary foundation. This program will provide the fundamental management skills for students with culinary backgrounds looking to manage own or operate their own food and beverage business.

Labour market research predicts a shortage in this sector and fore sees an increase in need for higher level credentialing. Canadian Tourism Human Resource Council Report “The future of Canada’s

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.

Important Dates

2015

- September 8- Fall term begins
- December 15 - Fall term ends

2016

- January 4 -Winter term begins
- February 9-12 - Reading Break
- April 15 - Winter Term Ends
- May 2 - Work term begins

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:

- kitchen management and supervisory positions
- food and beverage supervisors in establishments of all sizes and settings

Application Information

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.

Program Courses

RHOT 150 – TOURISM:AN INDUSTRY PERSPECTIVE

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 FOR THE RESORT INDUSTRY

This course explores how individuals function effectively in organizations by examining behaviour from individual, small group, inter-group and organizational perspectives. A participatory model using experiential exercises illustrates how groups help or hinder the organization. Topics include: communication models, strategies for effective leadership, leadership styles, motivational techniques, group dynamics and behaviour, stress management, delegation, organizational 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 COMMUNICATION

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 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 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 – HOSPITALITY MARKETING I

The roles and functions of marketing in the hospitality/tourism industry are examined. The principles of customer service excellence and service recovery are discussed in detail. Students are lead through the five steps of the marketing planning

process discovering how the "nine P's" are used in the marketing of tourism products and services. Students will learn how to conduct a situational analysis, the role of marketing segmentation practices, consumer behaviour and motivation, the five components of the Promotional mix in depth.

RHOT 254 – HOSPITALITY HUMAN RESOURCES MANAGEMENT

Human resources management has a profound effect on the success of tourism operations. This course focuses on the critical issues that concern managers in the tourism and hospitality industries topics include: human resources development, recruiting and hiring the right people, appraisal procedures, challenges and trends and employment standards.

RHOT 265 – FOOD SERVICE MANAGEMENT

The Food and Beverage department at a hotel or resort is a high profile department and can be a substantial profit centre. The purpose of this course is to show how to effectively manage the food and beverage operation to provide desired levels of profitability and customer satisfaction. Through lectures and hands-on operations exercises the student 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 – 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 course introduces students to basic terminology, concepts and principles of accounting. Accounting focuses on preparing, analysing and interpreting financial statements. Topics include: accounting as an information system, introduction to accounting theory, income measurement, traditional record keeping procedures, journals, cash and investments, balance sheet equations, the accounting cycle, and preparing working papers. Participants will work through the accounting cycle.

RHOT 272 – HOSPITALITY LAW

This course outlines Canadian law applicable to the hospitality industry. The course material 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 definition of hotels and related establishments, hotel bookings, the common

law of contract, reception and safety of guests and their property, property law dealing with the sale of goods, human rights, working conditions and labour relations, and insurance and ownership relations.

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Contacts

WENDY ANDERSON

Program Contact

Phone: 250.352.6601 ext 11344

Direct: 250.505.1344

Email: wanderson@selkirk.ca

BOB FALLE

School Chair

Phone: 250.352.6601 ext 11317

Direct: 250.505.1317

Email: bfalle@selkirk.ca

Digital Arts & New Media

selkirk.ca/program/danm

Year 1

SEMESTER 1

Course	Name		Credit
DA 101	Introduction to Digital Media	On Campus	3
DA 103	Art History	On Campus	1
DA 103	History of Design as Information	On Campus	1
DA 103	From Motion Pictures to Digital Cinema	On Campus	1
DA 104	Introduction to Digital Photography	On Campus	3
DA 110	Introduction to Photoshop	On Campus	3
DA 111	Art Fundamentals	On Campus	2
DA 111	Introduction to Adobe Illustrator	On Campus	1
DA 131	HTML, CSS & the Foundations of Web	On Campus	3
Total			18

SEMESTER 2

Course	Name		Credit
DA 112	Photoshop Projects	On Campus	3
DA 113	Intermediate Art and Design	On Campus	3
DA 121	Introduction to Animation	On Campus	3
DA 122	Introduction to Digital Video I	On Campus	3
DA 132	Interactive Design	On Campus	3
DA 141	3D Modeling	On Campus	1.5
DA 141	3D Modeling and Rendering	On Campus	1.5
Total			18

LENGTH OF STUDY:

Two 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 (Principles, Applications or Essentials of Mathematics 11) and a "C" or higher in English 12. Information & Communications Technology 11 (or equivalent) is highly 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 at <http://selkirk.ca/program/danm/admission-requirements>.

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.

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 and competitive 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.



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

Admission to this full time program is competitive. The portfolio is a very important part of the application process and applicants should take care to ensure that their work is presented as strongly as possible. Digital Arts & New Media is looking for a demonstration of visual awareness, creativity and technical skill. Applicants should choose pieces for their portfolios that demonstrate the nature, scope and direction of their work. The portfolio pieces may be of any medium and they need not be specific to new media. Applicants should give special attention to the following guidelines when preparing their portfolios.

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 eight (8) and a maximum of twenty-four (24) pieces.

Portfolios should be brought to the interview and only mailed if, because of distance, the applicant is unable to attend their interview in person.

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 photographs.

An applicant's portfolio must be the applicant's own original 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 framed.

If an applicant includes photographs of work, each must include a list of the materials used, size of the piece, title and date.

Examples may include:

- Photography: printed photographs or digital images.
- New Media: Computer generated still images, moving images (video or animation).
- Traditional art: paintings, drawings, sculptures or other traditional media
- Theatre/Drama: Collection of images (reviews, photos, programs), video or audio tapes
- Music: audio or videotape of your performance(s) or composition(s).

Year 2

SEMESTER 3

Course	Name		Credit
TWC 266	Introduction to Technical Writing and Communications	On Campus	2
DA 210	Typography and Graphic Design Communications	On Campus	3
DA 251	Digital Audio and Sound Recording	On Campus	2
DA 299	Capstone I	On Campus	4
DA ELEC I	Fall Electives	On Campus	5
Total			16

ELECTIVES

Course	Name		Credit
DA 221	Editing and Mastering in Adobe Premiere (Elective)	On Campus	1
DA 222	Character Animation in After Effects (Elective)	On Campus	1
DA 222	Compositing and Animation in After Effects (Elective)	On Campus	1
DA 231	Web Scripting with PHP (Elective)	On Campus	1
DA 231	Relational Databases & MySQL (Elective)	On Campus	1
DA 231	Building Database Driven Websites (Elective)	On Campus	1
DA 242	3D Modeling and Character Rigging (Elective)	On Campus	1
DA 242	3D Animation (Elective)	On Campus	1
DA 242	3D Compositing (Elective)	On Campus	1
Total			9

SEMESTER 4

Course	Name		Credit
DA 233	Content Management Systems	On Campus	2
DA 266	The Art of Making	On Campus	1
DA 289	Problem-Based Learning and Critical Thinking	On Campus	1
DA 291	Professional Practices	On Campus	1
DA 291	Portfolio and Presentation	On Campus	2
DA 299	Capstone II	On Campus	4
DA ELEC II	Winter Electives	On Campus	3
Total			14

ELECTIVES

Course	Name		Credit
DA 221	Studio and Live Event Streaming (Elective)	On Campus	1
DA 222	Expression Controls in After Effects (Elective)	On Campus	1
DA 223	Typesetting, Printing and Publishing (Elective)	On Campus	1
DA 223	Advanced Project: Design (Elective)	On Campus	1
DA 232	Web Application Development (Elective)	On Campus	1
DA 234	iOS Application Development (Elective)	On Campus	1
Total			6

DIGITAL ARTS & NEW MEDIA

selkirk.ca/program/danm

Please submit your portfolio in one of the following formats:

- CD
- DVD
- Website address
- Hard copy
- Portable storage device

Note: If submitting digital image files on a CD or DVD, they should be in jpeg format. Video and other time-based work may be submitted on DVD.

If you are unable to attend an interview you may send your portfolio to us. Please note the following:

Labels: Be sure to label each item with your name, contact information, the date the piece was made, and medium. With your portfolio include a printed copy of all the contents as well as your name and contact information. You are responsible for all costs for the submission and return of your portfolio.

Note: Applicants may use a video camera to document artwork -- paintings, drawings, sculpture. It is strongly recommended that you do not send original video or audiotape of performance.

INTERVIEW

All applicants are required to participate in an interview with a program instructor from the Digital Arts & New Media Program. Applicants are to present their portfolio at the 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 for 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.

Important Dates

FALL 2015

- Sept. 8 – Fall term begins
- Dec. 4 – Fall term ends
- Dec. 15 – Fall term examinations end

WINTER 2016

- January 4 - Winter term begins
- February 9-12 Reading Break
- April 8 - Winter term ends
- April 15 - Winter examinations end

Application Information

Download the Digital Arts & New Media Application Package at <http://selkirk.ca/program/danm/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.

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 – ART HISTORY

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 AS INFORMATION

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 221 – 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 221 – 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.

DIGITAL ARTS & NEW MEDIA

selkirk.ca/program/danm

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

This 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 plugins and modules used to extend the

functionality such as spam filters, CAPTCHA and image galleries.

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 first 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.

Early Childhood Care & Education (ECCE)

selkirk.ca/ecce

Year 1

This certificate program ladders in to the Human Services Diploma option.

SEMESTER 1

Course	Name		Credit
ENGL 110	College Composition	On Campus	3
ECCE 168	Clinical Practicum I	Online	1.5
ECCE 178	Foundations of Professional Practice I	On Campus	4
ECCE 186	Child Health and Safety	Online	3
ECCE 188	Responsive Child-Centered Environments	On Campus	4
HSER 174	Interpersonal Communications I	On Campus	3
PSYC 100	Introductory Psychology I	On Campus	3
Total			21.5

SEMESTER 2

Course	Name		Credit
ECCE 169	Clinical Practicum II	On Campus	1.5
ECCE 179	Foundations of Professional Practice II	On Campus	4
ECCE 189	Responsive Child-Centered Environments II	On Campus	4
ECCE 193	Child-Centered Partnerships I	Online	4
ECCE 195	Block Practicum I	On Campus	4
FAM 180	Family Dynamics	On Campus	3
PSYC 240	Child Development	On Campus	3
Total			23.5

SEMESTER 3

Course	Name		Credit
ECCE 293	Child-Centered Partnerships II	On Campus	3
ECCE 294	Block Practicum II	On Campus	5
Total			8

LENGTH OF STUDY:

Nine Months / Two 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 at Selkirk 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:

- Grade 12 or its equivalent (consideration will be given to mature students)
- English 12 or equivalent with a grade of "C" or better
- Transcripts of secondary and post-secondary education
- Résumé
- A completed health information form
- Documentation of successful completion of 40 hours of supervised paid or volunteer work with groups of young children
- Completed Selkirk College application form
- Completed criminal record check with Ministry of Justice
- All applicants must complete CRT assessment in reading and writing before registration
- Two completed personal reference forms
- Driver's license is recommended

Note: 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.

Program Summary

As an Early Childhood Care and Education Worker, you will contribute to your community by facilitating the growth and development of children.

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.



- 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

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Important Dates

WINTER 2015

- January 5 - Winter semester instruction begins
- April 10 - Winter semester instruction ends
- April 13 to 21 - Winter semester exams

SPRING PRACTICUM 2015

FALL 2015

- September 3 - Fall semester instruction begins in ECCE Certificate and ECCE Diploma: Infant & Toddler

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Careers

Graduates of both our Early Childhood Care & Education certificate and diploma programs quickly find employment in

- Childcare Centres
- Early Learning and Literacy Programs
- Family Centres
- Nursery Schools
- Preschool Recreation
- School-age Programs
- Infant/Toddler Centres
- Child Resource and Referral Agencies
- Supported Child Development Centres
- Private kindergartens
- Day Care Centres

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Application Information

Download the Early Childhood Care and Education Application Package at <http://selkirk.ca/program/ecce/application-information>

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.

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Program Courses

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.

Pre-requisites: All fall semester courses.

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 – BLOCK 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

EARLY CHILDHOOD CARE & EDUCATION (ECCE)

selkirk.ca/ecce

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

The concepts and skills of ECCE 193 are further developed and enhanced. Students examine guiding relationships and apply principles and skills to complex situations. Ways of enhancing partnerships with families through active support to parents are learned and practiced.

ECCE 294 – BLOCK PRACTICUM II

Block 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.

FAM 180 – FAMILY DYNAMICS

This course is designed to provide students with a variety of theoretical perspectives to understanding families. It considers the diversity of families including exploration of cultural differences, same-sex parents, single parents and blended families. The role of marriage is examined, as well as childbearing and socialization. Issues such as middle age, empty nest, aging in the family, and special concerns such as chronic illness, disability, alcoholism, violence, and poverty are introduced.

Pre-requisites: ENGL 12 or equivalent.

HSER 174 – INTERPERSONAL COMMUNICATIONS I

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. Designed to help 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 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 equivalent or written permission of the Instructor and School Chair.

Contacts

RACHEL WALKER

Admissions Officer
Phone: 1.888.953.1133 ext 21233
Direct: 250.365.1233
Email: rwalker@selkirk.ca

TERESA PETRICK

School Chair
Phone: 250.365.7292 ext 21442
Direct: 250.365.1442
Email: tpetrick@selkirk.ca

LENGTH OF STUDY:

Up to One Year

ACCREDITATION:

General Associate of Arts and Transfer to BA

CAMPUS:

Castlegar Campus

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Contacts

UNIVERSITY ARTS & SCIENCES ADMISSIONS

Admissions Officer (Castlegar)
Phone: 1.888.953.1133 ext 21233
Direct: 250.365.1233
Email: rwalker@selkirk.ca

UNIVERSITY ARTS & SCIENCES

Program Contact
Phone: 1.888.953.1133 ext 21205
Direct: 250.365.1205
Email: UAS@selkirk.ca

DAVID FELDMAN

School Chair, UAS, Instructor, Mathematics
Phone: 1.888.953.1133 ext 21331
Direct: 250.365.1331
Email: dfeldman@selkirk.ca

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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.

COURSE OFFERINGS AT SELKIRK COLLEGE

Selkirk College offers introductory courses in Microeconomics and Macroeconomics. These courses transfer to all participating BC post-secondary institutions. Course requirements vary among post-secondary institutions so it is advised that you plan your program with a UAS School Chair for information on transferability.

PROGRAM COURSES

- ECON 106 - Principles of Macroeconomics
- ECON 107 - Principles of Microeconomics
- ECON 216 - Environmental Economics

**FOR UNIVERSITY ARTS & SCIENCES
COURSE DESCRIPTIONS:**

see page 261

Electrical Foundation

selkirk.ca/program/electrical-foundation

LENGTH OF STUDY: 24 Weeks
ACCREDITATION: Certificate
CAMPUS: Silver King Campus, Nelson

Program Summary

This 24-week program prepares learners for entry level positions as apprentice electricians with contracting companies involved in residential, commercial, and industrial construction and maintenance work.

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.

LEARN VITAL INDUSTRY STANDARDS

- Canadian Electrical Code Regulations and Standards
- Circuit concepts and basics
- Control circuit installation
- Low voltage distributions systems installation
- Read and interpret drawings and manuals
- Safe work practices
- Test equipment usage

This program provides close contact with electrical industry employers and tradespeople throughout British Columbia through field visitations and employment placements.

The program addresses the need to cultivate generic skills such as good communications skills; ability to learn independently; social skills; ethics; positive attitudes; valuing diversity; responsibility; teamwork; ability to adapt to changing circumstances; thinking skills: problem-solving and research skills.

ACE IT HIGH SCHOOL TRANSITION PROGRAMS

This program qualifies for high school transitions. A program that is designed to help secondary school students get a head-start on their trades careers, while earning graduation credit, the BC Industry Training Authority (ITA) Accelerated Credit Enrolment in Industry Training (ACE IT) program is a perfect way to learn more about the industry.

Speak with your high school guidance counsellor to learn more or get in touch with our ITT Admin Assistant by email or phone: 1.866.301.6601 ext. 13221.

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 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).
- 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.

Important Dates

2015

- January 29 - Summer Intake Ends
- February 2 - Winter Intake Begins
- July 16 - Winter Intake Ends
- March 30 - Spring Intake Begins
- September 11 - Spring Intake Ends
- August 4 - Summer Intake Begins

2016

- January 28 - Summer Intake Ends
- February 1 - Winter Intake Begins
- July 14 - Winter Intake Ends

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.

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 higher than average levels 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.

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Contacts

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

BRENDA WIEST

Admissions Officer
Phone: 250.352.6601 ext 13204
Direct: 250.354.3204
Email: bwiest@selkirk.ca

ROB SCHWARZER

School Chair
Phone: 250.352.6601
Fax: 250.352.3180
Email: rschwarzer@selkirk.ca

Electrical Apprenticeship

selkirk.ca/electrical-apprenticeship

Course of Studies

This is a 10-Week Technical Training program.

Course	Name	
ECAL 190	Electrical Apprenticeship Level 1	On Campus
ECAL 290	Electrical Apprenticeship Level 2	On Campus
ECAL 390	Electrical Apprenticeship Level 3	On Campus
ECAL 490	Electrical Apprenticeship Level 4	On Campus

LENGTH OF STUDY:

Ten Weeks

ACCREDITATION:

Technical Training

CAMPUS:

Silver King Campus, Nelson

Program Courses

Program Summary

Working towards your Red Seal, BC Certificate of Apprenticeship and BC Certificate of Qualification, we'll give you the skills and knowledge you're looking for with our in-class and practical training methods.

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 - 3, 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 provide apprentices with the opportunity to observe electrical phenomena and reinforce learning.

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.

GAIN VALUABLE CAREER SKILLS

- Ethics and responsibility
- Independent thinking and learning
- Research and problem-solving
- Teamwork and adaptability
- Valuing positivity and diversity
- Workplace and interpersonal communications

Enhance your apprenticeship by learning advanced concepts and gaining employable skills from our knowledgeable instructors. With our help, you'll develop the ability to access and utilize resource materials, follow proper procedures and make sound workplace decisions.

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

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.

Important Dates

IMPORTANT DATES

TRAINING SCHEDULE

2015

Level 2 January 5 - March 13

Level 4 January 5 - March 13

Level 2 March 16 – May 22

Level 4 March 16 – May 22

Level 2 October 5 – December 11

Level 3 October 5 – December 11

2016

Level 3 January 4 - March 11

Level 4 January 4 - March 11

Level 1 March 14 – May 20

Level 2 March 14 – May 20

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

ECAL 390 – ELECTRICAL APPRENTICESHIP LEVEL 3

- 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

Elementary Education

selkirk.ca/program/elementary-education

Year 1

Students interested in earning their degree at the University of Victoria may not be able to complete a full two years of course requirements because of changes in the UVIC program which came into effect September 2009. Please consult with a Selkirk College counsellor for details.

SEMESTER 1

CANADIAN CONTENT COURSE:

Choose from ENGL 202-3: Canadian Literature I or GEOG 136-3: The Geography of British Columbia or HIST 104-3: Canada Before Confederation or HIST 203-3: A History of British Columbia

Note: Some universities may not accept Canadian literature courses or courses that study one area or province of Canada.

MATH COURSE: Choose from MATH 100-3: Calculus I or MATH 180-3: Mathematics for Teachers

LAB SCIENCE* (REQUIRES A MINIMUM TWO-HOUR LAB):

Choose from Astronomy, Biology, Chemistry, Physical Geography, Geology or Physics (3 credits)

Note: Some university Education degree programs may not accept Astronomy and/or Physical Geography as lab science credits. Please consult with a Selkirk College counsellor before choosing your courses.

ELECTIVE CREDITS: Three credits of 100- or 200-level Social Sciences

Course	Name		Credit
ENGLISH	English Requirement: ENGL 110 or ENGL 112	On Campus	3
ENGL 202	Canadian Literature I: Indigenous Voices	On Campus	3
GEOG 136	The Geography of British Columbia	On Campus	3
HIST 104	Canada Before Confederation	On Campus	3
HIST 203	A History of British Columbia	On Campus	3
MATH 100	Calculus I	On Campus	3
MATH 180	Mathematics for Teachers	On Campus	4
Total			22

SEMESTER 2

CANADIAN CONTENT COURSE: Choose from ENGL 203-3: Canadian Literature II or HIST 105-3: Contemporary Canada or HIST 210-3: A History of the First Nations of Canada

MATH COURSE: Choose from MATH 101-3: Calculus II or MATH 181-3: Problem Solving in Foundational Mathematics

Note: Not all universities require two math courses.

LAB SCIENCE* (REQUIRES A MINIMUM TWO-HOUR LAB):

Choose from Astronomy, Biology, Chemistry, Physical Geography, Geology, or Physics (3 credits) (Note: Some university Education degree programs may not accept Astronomy and/or Physical Geography as lab science credits. Please consult with a Selkirk College counsellor before choosing your courses.)

ELECTIVE CREDITS: Three credits of 100- or 200-level Social Sciences.

Course	Name		Credit
ENGLISH	English Requirement: ENGL 111 or ENGL 114	On Campus	3
ENGL 203	Canadian Literature II: Contemporary Voices	On Campus	3
HIST 105	Contemporary Canada	On Campus	3
HIST 210	A History of the First Nations of Canada	On Campus	3
MATH 101	Calculus II	On Campus	3
MATH 181	Problem Solving in Foundational Mathematics	On Campus	3
Total			18

LENGTH OF STUDY:

Two Years

ACCREDITATION:

Associate of Arts Degree

CAMPUS:

Castlegar Campus

Program Summary

Get started on your bachelor of education and work towards teaching the little tykes who make you smile.

PROGRAM OVERVIEW

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. Plus, after you graduate with your bachelor degree, you can come back to Selkirk and complete your bachelor of education in our 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 your valuable contributions lead to the next generation's success—and your own. It's a win for everyone.

Blending subjects like history, geography, English literature and mathematics, your two years of study will sufficiently prepare you for third year entry into a bachelor degree 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.

Program Courses

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.

**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.

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. The 110/111 sequence is focused on the development of academic writing and research. 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. The 112/114 sequence is focused on the interpretation of literature.

**GEOG 136 – THE 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.

**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.

Year 2

The following is a suggested mix of courses to satisfy requirements for the Associate of Arts degree in Elementary Education. Courses should be chosen only after consultation with a Selkirk College counsellor.

Students interested in earning their degree at the University of Victoria may not be able to complete a full two years of course requirements because of changes in the UVIC program which came into effect September 2009. Please consult with a Selkirk College counsellor for details.

SEMESTER 3

Course	Name		Credit
UAS ELECT	General UAS Elective	On Campus	3
UAS ELECT	General UAS Elective	On Campus	3
UAS ELECT II	UAS 200 level course elective	On Campus	3
UAS ELECT II	UAS 200 level course elective	On Campus	3
UAS ELECT II	UAS 200 level course elective	On Campus	3
Total			15

SEMESTER 4

Course	Name		Credit
UAS ELECT	General UAS Elective	On Campus	3
UAS ELECT	General UAS Elective	On Campus	3
UAS ELECT II	UAS 200 level course elective	On Campus	3
UAS ELECT II	UAS 200 level course elective	On Campus	3
UAS ELECT II	UAS 200 level course elective	On Campus	3
Total			15

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.

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"

ELEMENTARY EDUCATION

selkirk.ca/program/elementary-education

archives. This collection of books, records, private papers, photos and maps aid in research, particularly of the Kootenay region.

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.

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 180 – MATHEMATICS FOR TEACHERS

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.

MATH 181 – PROBLEM SOLVING IN FOUNDATIONAL MATHEMATICS

Designed to follow MATH 180, Math 181: Problem Solving in Foundational Mathematics 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.

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 at <http://www.bctransferguide.ca> 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: rwalker@selkirk.ca

UNIVERSITY ARTS & SCIENCES

Program Contact
Phone: 1.888.953.1133 ext 21205
Direct: 250.365.1205
Email: UAS@selkirk.ca

DAVID FELDMAN

School Chair, UAS, Instructor, Mathematics
Phone: 1.888.953.1133 ext 21331
Direct: 250.365.1331
Email: dfeldman@selkirk.ca

FOR UNIVERSITY ARTS & SCIENCES
COURSE DESCRIPTIONS:

see page 261

Course of Studies

Programs vary depending on the university you wish to attend. Courses should be chosen only after consultation with a Selkirk College counsellor.

SEMESTER 1

Course	Name		Credit
APSC 120	Introduction to Engineering	On Campus	0
CHEM 122	General Chemistry I	On Campus	3
CPSC 100	Introduction to Programming I	On Campus	3
ENGL 110	College Composition	On Campus	3
MATH 100	Calculus I	On Campus	3
PHYS 104	Fundamental Physics I	On Campus	3
PHYS 200	Principles of Mechanics	On Campus	3
Total			18

SEMESTER 2

Course	Name		Credit
APSC 100	Engineering Graphic Communications	On Campus	3
CHEM 125	Foundations of Chemistry II	On Campus	4
MATH 101	Calculus II	On Campus	3
MATH 221	Introductory Linear Algebra	On Campus	3
PHYS 105	Fundamental Physics II	On Campus	3
UAS ELECT	General UAS Elective	On Campus	3
Total			19

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, Water management Engineer, Wireless Network Designer.

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.

LENGTH OF STUDY:

One Year

ACCREDITATION:

Certificate

CAMPUS:

Castlegar Campus

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 first-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;

ENGINEERING

selkirk.ca/program/engineering

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

This introductory general chemistry course leads 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 lab work stresses scientific observations and measurements using chemical syntheses and quantitative analyses.

Pre-requisites: Chem 12 or Chem 110, and Pre-Calculus MATH 11 (Principles of Math 11) or Math 050. Pre-calculus Math 12 (Principles of Math 12) or Math 051 is recommended. Each course must have a grade of grade of "C" or better.

CHEM 125 - FOUNDATIONS OF CHEMISTRY II

This general chemistry course is the continuation of either Chemistry 110 or Chemistry 122. Chemistry 125: Foundations of Chemistry II begins with an investigation of intermolecular forces in liquids and solids, followed by the colligative properties of solutions. Next, it presents the principles of equilibria applied to pure substances and aqueous solutions of acids, bases and salts. The laws of thermodynamics applied to chemical substances are introduced. The field of organic chemistry is surveyed; 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 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.

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 at <http://www.bctransferguide.ca> or contact a Selkirk counsellor.

English

selkirk.ca/program/english

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.

SEMESTER 1

Course	Name		Credit
ENGLISH	English Requirement: ENGL 110 or ENGL 112	On Campus	3
MATH SCI	Mathematical Science Elective for Arts	On Campus	3
SOC SCI	Social Science Elective	On Campus	3
HUMANITIES	Humanities Elective	On Campus	3
ARTS I	First or Second Year Arts Requirement	On Campus	3
Total			15

SEMESTER 2

Course	Name		Credit
ENGLISH	English Requirement: ENGL 111 or ENGL 114	On Campus	3
ARTS I	First or Second Year Arts Requirement	On Campus	3
SOC SCI	Social Science Elective	On Campus	3
HUMANITIES	Humanities Elective	On Campus	3
LAB SCI	Laboratory Science Elective	On Campus	3
Total			15

Year 2

The following is a suggested mix of courses to satisfy requirements for the Associate of Arts degree in English. Courses should be chosen only after consultation with a Selkirk College counsellor.

SEMESTER 3

Course	Name		Credit
ENGL 200	A Survey of English Literature I	On Campus	3
ENGL LIT	Topics in Literature: ENGL 202 or ENGL 204	On Campus	3
ARTS II	Second Year Arts Requirement (Excluding Discipline)	On Campus	3
OPEN SCI	Science Elective	On Campus	3
UAS ELECT	General UAS Elective	On Campus	3
Total			15

SEMESTER 4

Course	Name		Credit
ENGL 201	A Survey of English Literature II	On Campus	3
ENGL LIT	Topics in Literature: ENGL 203 or ENGL 205	On Campus	3
ARTS II	Second Year Arts Requirement (Excluding Discipline)	On Campus	3
UAS ELECT	General UAS Elective	On Campus	3
UAS ELECT	General UAS Elective	On Campus	3
Total			15

LENGTH OF STUDY:

Two Years

ACCREDITATION:

Associate of Arts Degree

CAMPUS:

Castlegar Campus

Program Summary

Are you interested in other people, their lives and ideas?

PROGRAM OVERVIEW

Do you love words and stories? Literature invites us to participate in experiences and ideas beyond our own and grants us access to some of history's and today's most imaginative minds. Studying English is a great place to start if you're interested in exploring philosophy, history, psychology, religion, anthropology, sociology, politics or continuing towards your 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

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.

Students who graduate from English are able to:

- Communicate clearly and effectively
- Use language to teach, delight and persuade
- Argue convincingly
- Research, analyze and present complex information
- Read texts of all kinds critically 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

In addition to fulfilling the program requirements for a general Associate of Arts degree, to earn an associate degree in English, a student must complete at least 18 credits of English courses at the 100- and 200-level, including at least six credits at the 100-level.

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 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 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.

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

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. 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. The 112/114 sequence is focused on the interpretation of literature.

HUMANITIES ELECTIVE

Students have the choice of any course from the list of 100 or 200 level Humanities courses offered by Selkirk.

- English
- French
- History
- Peace Studies
- Spanish
- Creative Writing
- A foreign language is recommended.

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.

- 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.

FOR UNIVERSITY ARTS & SCIENCES COURSE DESCRIPTIONS:

see page 261

ENGLISH

selkirk.ca/program/english

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 courses 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 at <http://www.bctransferguide.ca> 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: rwalker@selkirk.ca

UNIVERSITY ARTS & SCIENCES

Program Contact
Phone: 1.888.953.1133 ext 21205
Direct: 250.365.1205
Email: UAS@selkirk.ca

DAVID FELDMAN

School Chair, UAS, Instructor, Mathematics
Phone: 1.888.953.1133 ext 21331
Direct: 250.365.1331
Email: dfeldman@selkirk.ca

English Language Program

selkirk.ca/program/english-language-program

Course of Studies

Course	Name		Credit
EASL 015	Fundamental Grammar	On Campus	5
EASL 016	Fundamental Writing	On Campus	3
EASL 017	Fundamental Reading	On Campus	6
EASL 018	Fundamental Communications	On Campus	4
EASL 025	Intermediate Grammar - Verbs	On Campus	5
EASL 026	Intermediate Writing - Sentence Structures	On Campus	3
EASL 027	Intermediate Reading - Vocabulary and Meaning	On Campus	6
EASL 028	Intermediate Communications - Conversation Skills	On Campus	4
EASL 035	Intermediate Grammar - Structures	On Campus	5
EASL 036	Intermediate Writing - Expressing Ideas	On Campus	3
EASL 037	Intermediate Reading - Current Ideas	On Campus	6
EASL 038	Intermediate Communications - Expressing Opinions	On Campus	4
EASL 045	Advanced Grammar - Complex Verbs	On Campus	4
EASL 046	Advanced Writing - Paragraphs / Essays	On Campus	4
EASL 047	Advanced Reading - Contemporary Reading	On Campus	6
EASL 048	Advanced Communications - Developing Discussions	On Campus	4
EASL 055	Advanced Grammar - Complex Structures	On Campus	4
EASL 056A	Advanced Writing - College Essays	On Campus	4
EASL 056C	Advanced Writing - Technical Writing	On Campus	4
EASL 057A	Advanced Reading - Academic Reading	On Campus	3
EASL 057B	Advanced Reading - World Literature	On Campus	3
EASL 057C	Advanced Reading - Media Reading	On Campus	3
EASL 058	Advanced Communications - Exploring Issues	On Campus	4
EASL 065	College Preparation - Grammar	On Campus	2
EASL 066	College Preparation - Research Writing	On Campus	2
EASL 067	College Preparation - Integrated Studies	On Campus	4
EASL 068	College Preparation - Community Outreach	On Campus	4
EASL 091A	Music Appreciation	On Campus	2
EASL 091B	Art and Photography	On Campus	2
EASL 091C	Movies and Discussions	On Campus	2
EASL 091E	Theatre	On Campus	2
EASL 092A	Volunteer Internship	On Campus	2
EASL 092B	Community Adventures	On Campus	2
EASL 092C	Canadian Studies	On Campus	2
EASL 092D	Leadership	On Campus	2
EASL 092E	Newspaper	On Campus	2
EASL 093A	Academic Preparation	On Campus	2
EASL 093B	Speaking Professionally	On Campus	2
EASL 093D	Teaching and Learning Languages	On Campus	2

LENGTH OF STUDY:

Depending on English skill level at entry, this is a 1 to 6 semester program

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:

1. Banff Trip – 2 nights (\$275)
2. Kelowna Trip – 1 night (\$180)
3. Vancouver Trip – 2 nights (\$300)

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.

Important Dates

Apply for the English Language Program at least two months before the start of classes. Applications that do not require visa permits will be accepted at any time as space allows.

Students interested in other programs should inquire about program specific deadlines.

SPRING 2014 PROGRAM

- May 1 - 2 - Orientation and placement testing
- May 5 - ELP Core and spring intensive classes start
- July 2 to 4 - ELP spring academic intensive final exams
- August 1 - English Language Core Program ends

SUMMER 2014 PROGRAM

Applied English Intensive Programs

- July 7 to 18 - Session 1: Business and Hospitality
- July 21 to Aug 1 - Session 2: Leadership and the Environment
- August 4 to 15 - Session 3: Arts and Technology

FALL 2014 PROGRAM

- September 2 - College Orientation – Get Connected
- September 2 to 4 - ELP Orientation and Placement Testing
- September 2 - TESOL Orientation
- September 3 - College Classes and TESOL start
- September 5 - ELP Module 1 Classes begin
- October 27 - ELP Module 2 Classes begin
- December 5 - Last day of classes (All Programs)
- December 8 to 11 - ELP Module 2 and TESOL Exams
- December 8 to 19 - College exams

Course of Studies *continued*

EASL 093E	Independent Projects and Study Skills	On Campus	2
EASL 094A	Global Cooking	On Campus	2
EASL 094B	International Recreation	On Campus	2
EASL 094C	Outdoor Recreation	On Campus	2
EASL 094D	Nature Studies	On Campus	2
EASL 095A	Partnership	On Campus	2
EASL 095B	Pronunciation	On Campus	2
EASL 095C	Debates and Dialogues	On Campus	2
EASL 095D	Global Discussions	On Campus	2
TOFL 051	Standardized Test Preparation	On Campus	2
TOIC 051	TOEIC Test Preparation	On Campus	

WINTER 2015 PROGRAM

- January 2 - Orientation
- January 5 - ELP Module 1 Classes start and College Classes start
- February 9 - national holiday, BC Family Day
- February 23- ELP Module 2 Classes start
- April 3 and 6- national holiday, Easter
- April 10 - ELP classes end
- April 13 to 16 - ELP Module 2 final exams
- April 24 - College Graduation Ceremonies

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 modified 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

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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 056 - 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 056 - 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 057 - 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 057 - 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 057 - 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

This 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 091 - MUSIC APPRECIATION

Music Appreciation is a multi-level communications seminar. Students will enjoy listening to and learning about different kinds of music. They will learn new vocabulary and expressions from the words in the songs. They will also practice pronunciation, intonation and rhythm through singing.

EASL 091 - 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 091 - 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 091 - 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 092 - 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 092 - 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 092 - 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 092 - 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 092 - 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 093 - ACADEMIC PREPARATION

Academic Preparation is an advanced communications 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 093 - 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 093 - 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 093 - 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 094 - 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 094 - 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 094 - 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.

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EASL 094 - 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 095 - 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 095 - 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 095 - 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 095 - 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.

TOFL 051 - STANDARDIZED TEST PREPARATION

This seminar helps students develop testing skills necessary to be successful when taking standardized English language placement tests. They will practice the listening, writing, grammar

and vocabulary skills and explore exam taking strategies needed for success.

Pre-requisites: Current enrolment in the intermediate or advanced English Language Program.

TOIC 051 - TOEIC TEST PREPARATION

This course provides opportunities for students to become familiar with and practice TOEIC testing methods, questions, and techniques.

Pre-requisites: Current enrolment in the English Language Program.

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.

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Contacts

TRACY KING
School Administrative Assistant / International Admissions Officer, Program Contact
Phone: 250.365.7292 ext 21293
Direct: 250.365.1293
Fax: 250.365.5410
Email: tking@selkirk.ca, international@selkirk.ca

Course of Studies

SEMESTER 1

Course	Name		Credit
ESTH 120	Introduction to Esthetics - Spa Industry	On Campus	1
ESTH 121	Hygiene, Bacteriology, Sanitation	On Campus	1
ESTH 122	Skin: Anatomy, Physiology and Disorders	On Campus	2
ESTH 123	Basic Skin Care	On Campus	3
ESTH 124	Facial Treatment - Cosmetic Massage 1	On Campus	4
ESTH 125	Manicure - Artificial Nails 1	On Campus	4
ESTH 126	Foot Care 1	On Campus	2
ESTH 127	Hair Removal - Waxing 1	On Campus	2
ESTH 128	General Trade/Selling/Professionalism/Reception/Monitor	On Campus	2
ESTH 131	Cosmetic Chemistry - Product Knowledge	On Campus	1
ESTH 132	Anatomy and Physiology	On Campus	3
ESTH 133	Basic Makeup	On Campus	3

SEMESTER 2

Course	Name		Credit
ESTH 134	Facial Treatment - Cosmetic Massage 2	On Campus	5
ESTH 135	Manicure - Artificial Nails 2	On Campus	4
ESTH 136	Foot Care 2	On Campus	1
ESTH 137	Hair Removal - Waxing 2	On Campus	2
ESTH 140	Small Business Management	On Campus	2
ESTH 143	Makeup	On Campus	4
ESTH 144	Facial Treatment - Cosmetic Massage 2A	On Campus	6
ESTH 145	Manicure - Artificial Nails 2A	On Campus	2
ESTH 146	Foot Care 2A	On Campus	1
ESTH 147	Hair Removal - Waxing 2A	On Campus	2
ESTH 148	Advanced Topics	On Campus	2
ESTH 149	General Trade Practices - Professionalism	On Campus	1

Program Summary

Careers in esthetics are a hot commodity in the global tourism market. With skin beautification treatments quickly growing in popularity, you'll be able to leverage your skills into a profitable and rewarding career.

Our esthetics program focuses on professionalism, ethical conduct, workplace confidence and customer service excellence. You'll learn about cosmetic chemistry treatments, personal hygiene, grooming and proper safety procedures in the classroom followed by hands-on salon activities with clients.

YOU'LL FIND WORK IN

- Beauty salons and institutes
- Cosmetic firms and manufacturers
- Cruise ships and resorts
- Day spas and health clubs
- Department and drug stores
- Distribution outlets
- Sales and customer service

LENGTH OF STUDY:

Eight Months

ACCREDITATION:

Certificate

CAMPUS:

Silver King Campus, Nelson

GET PROFESSIONAL TRAINING IN

- Eyelash and eyebrow tinting
- Facials and body wraps
- Hair removal
- Manicures and pedicures
- Massage
- Skin care
- make-up application

Additional Information

You will have the skills and knowledge to conduct yourself in an confident, ethical manner, while providing excellent customer service. You will know how to observe the rules of personal hygiene and grooming and will be able to perform all the procedures learned with an awareness of the safety factors involved.

On finishing this course you will have a basic understanding of various bacteria and will know how to follow the procedures for sanitation and sterilization. Knowledge of the histology and physiology of the skin and an understanding of the structure and functions of the major body systems are gained, as is an ability to recognize different skin types along with their associated abnormalities.

You will be able to cleanse and manipulate the face and neck and use various types of skin care appliances. You will have an understanding of cosmetic chemistry, such as moisturizing and nourishing cream, skin toners and the pH scale.

Also on a practical level, you will have mastered the performance of specialized skin treatments including facials, makeup and hair removal. You will be able to perform a professional manicure and pedicure, and will be able to recognize the presence of disorders and diseases of the nails.

Upon successful completion of this program, you will be qualified to write the examination for the Special Beauty Culture License as required by the Cosmetologists Association of British Columbia.

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 the instructor may be required before commencement of the program.

Consideration will be given to mature individuals (19 years or older) who are not Senior Secondary School graduates provided they have successfully completed Grade 10 or equivalent.

In addition, candidates should have the ability to understand written and verbal instruction in English, possess basic communication skill required for providing customer services, exhibit good hand-eye coordination, have normal colour vision, have good depth perception and the ability to perceive line and form, possess good manual and finger dexterity, and be able to stand for long periods of time.

Download Math Requirements pdf at <http://selkirk.ca/program/esthetics/admission-requirements>.

Important Dates

2015

- September 8 - Orientation Day
- December 15 - Fall term ends

2016

- January 4 - Program continues
- April 15 - Program ends *Final examination is normally scheduled within two weeks of program end date.

Careers

With an esthetics license, you can work in:

- Sales and customer service
- Department stores
- Drug stores
- Beauty salons
- Day spas
- Distribution outlets
- Cosmetic manufacturers
- Beauty institutes
- Health clubs
- Cruise ships
- Resorts
- Cosmetic firms.

Application Information

Download the Esthetics Application Package at <http://selkirk.ca/program/esthetics/application-information>

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.

Program Courses

ESTH 120 - INTRODUCTION TO ESTHETICS - SPA INDUSTRY

This is a comprehensive look at the history of esthetics, as a background to the entire field of study. Current career opportunities are examined along with the necessary skills and equipment required in order to succeed as a professional esthetician. Time evaluation for various treatments is taught, as are safety and first aid procedures.

ESTH 121 - HYGIENE, BACTERIOLOGY, SANITATION

The importance of personal and public hygiene is emphasized in this course. A study is made of the bacteriology of the skin, with a look at related diseases and disorders. Proper sanitation and sterilization procedures are established.

ESTH 122 - SKIN: ANATOMY, PHYSIOLOGY AND DISORDERS

Here the skin is studied at both a microscopic and biological level. Students take an in depth look at how the skin is structured, its properties and functions. The course deals with the recognition and treatment of various disorders of the skin including lesions and blackheads.

ESTH 123 - BASIC SKIN CARE

All aspects of basic skin care are covered here, from the importance of a liability release form prior to treatment, through to the client consultation itself. Students are familiarized with the classification of skin types, skin analysis and the nutrition and health of the skin.

ESTH 124 - FACIAL TREATMENT - COSMETIC MASSAGE 1

Students work through the preparation of both the treatment area and the client prior to a facial. An understanding of what facial treatment products are available, their application and suitability to the various skin types is gained. Basic facial steps without the use of equipment and basic massage movements are covered, as is an overview of the anatomy and physiology of the face and décolleté. Contraindications (a factor that renders the carrying out of a particular treatment inadvisable) and safety for all skin types are studied.

ESTH 125 - MANICURE - ARTIFICIAL NAILS 1

This course covers the fundamentals and theory of both manicuring and the application of artificial nails. It begins with manicuring procedures and the selection and preparation of instruments though to the anatomy and physiology of the hand and arm, diseases and disorders of the hands and nails and the shapes of hands and nails. The course then goes on to cover cuticle treatment, massage for arms and hands, types of manicures and polish application. The application of artificial nails, their repair and follow up treatments, concludes this module.

ESTH 126 - FOOT CARE 1

Here the focus is on the care and treatment of the foot. A foundation is established by studying the anatomy and physiology of the legs and feet. Diseases and disorders related to foot care are noted along with the relevant treatments available. The procedures of foot care along with the preparation and selection of instruments are taught. Shaping nails, nail repair, the removal of dead skin and foot and leg massage make up the rest of this course.

ESTH 127 - HAIR REMOVAL - WAXING 1

This is the study of hair and its removal. The composition, structure and functions of hair are examined along with hair removal products or depilatories. Preparation of the treatment area, including an analysis of the clients skin, the procedure of waxing, and follow-up treatment is covered.

ESTH 128 - GENERAL TRADE/SELLING/ PROFESSIONALISM/RECEPTION/MONITOR

Conduct, communication and professionalism are focused on in this broad ranging course. Students look beyond the treatments themselves to the demands of the working environment. Areas covered include the assessment of a clients needs and attitudes, reception and monitor duties and appointment booking. On a communications level subjects include client greeting, client consultation and telephone manner. Time is given to image

projection, appropriate dress, personal development, motivation and goal setting. Promotion of the services offered, maintaining client satisfaction and attendance requirements are covered. The course also deals with the legal requirements when performing esthetic treatments, the Cosmetology Act and Association and the rules for professional ethics and standards.

ESTH 131 - COSMETIC CHEMISTRY - PRODUCT KNOWLEDGE

How products are made, what they are made of and why, is the essence of this course. Students take an in-depth look at organic and inorganic chemistry, the properties of common elements, compounds and mixtures, and the pH scale. Product knowledge includes an understanding of moisturizers, nourishing creams and skin tonics.

ESTH 132 - ANATOMY AND PHYSIOLOGY

This is an overview of the body, how it is structured and its major systems; integumentary, muscular, nervous, sensory, endocrine, circulatory, lymphatic, respiratory, digestive, urinary, reproductive. Students become familiar with anatomical terms and definitions.

ESTH 133 - BASIC MAKEUP

Makeup is studied as an art and science. Starting with client consultation and preparation, through to ethics and attitude towards makeup. An analysis is made of basic facial shapes and features, so the correct choice of makeup options can be made. Makeup is looked at regarding colour psychology, the selection of appropriate foundation, and use of blusher, eyeliner, mascara and lip colour, and the art of facial contouring. Students are instructed in basic day makeup and the enhancement of eyebrows and eyelashes.

ESTH 134 - FACIAL TREATMENT - COSMETIC MASSAGE 2

Here students are introduced to the use of electricity, galvanic current and high frequency in esthetics. There is an opportunity to practice with the equipment used in facials, including light therapy. Time management skills are honed to ensure facial treatments are completed within the allotted time.

ESTH 135 - MANICURE - ARTIFICIAL NAILS 2

The goal of this course is build on the theoretical knowledge gained in Manicure and Artificial Nails I by giving students the opportunity to practice manicuring and artificial nail application on clients. The correct use of implements and products on clients, including following all sanitary and safety rules, is emphasised.

ESTH 136 - FOOT CARE 2

This course is designed to build on the theoretical expertise gained from the preceding course, Foot Care I. The goal here is to spend time in the practical application of foot care using the proper implements and products on clients, including following all sanitary and safety rules.

ESTH 137 - HAIR REMOVAL - WAXING 2

In this course students are given time in the salon to put into practice the theory learned in Hair Removal and Waxing I. The goal being the proper use of implements and products on clients, including following all sanitary and safety rules.

ESTH 140 - SMALL BUSINESS MANAGEMENT

This course is designed to compliment the esthetician skills acquired so that graduates have an understanding of the setting up and running of a small business, and the confidence to enter the job market. Starting a salon is covered from initial capitalization, business planning and daily operation, to basic business law and accounting procedures. Salon layout requirements, salon policy and insurance requirements are part of this course. Students are also taught job search requirements, resumé writing and job search techniques.

ESTH 143 - MAKEUP

Here makeup is taken to the next level. Students are taught to interview the client in order to identify the appropriate makeup techniques that should be applied, and in order to make appropriate cosmetic choices for the individual concerned. Makeup application is broadened out to include techniques for evenings and special occasions.

ESTH 144 - FACIAL TREATMENT - COSMETIC MASSAGE 2A

More practical opportunities are given here for the application of facial treatments for specific skin types and problems, with the proper use of equipment and appropriate products.

ESTH 145 - MANICURE - ARTIFICIAL NAILS 2A

The goal of this course is the practical application of manicuring and artificial nail completion, using the proper implements and products on clients, making sure all sanitary and safety rules are followed.

ESTH 146 - FOOT CARE 2A

The goal of this course is to offer more practical opportunities regarding foot care. Students perform pedicures using the proper implements and products on clients. Sanitary and safety rules are emphasised.

ESTH 147 - HAIR REMOVAL - WAXING 2A

More time is spent in the salon in the practice of waxing. Students make use of the proper implements and products on clients, and follow all sanitary and safety rules.

ESTH 148 - ADVANCED TOPICS

Advanced Topics deals with treatments from phytotherapy (the esthetic use of plants, shrubs, trees, aromatic essential oils, seaweed, herbal and floral extracts), to water therapies, the reduction of cellulite, and to salon chemical peeling. Instructors address the enemies of the skin, aging factors and cosmetic surgery.

ESTH 149 - GENERAL TRADE PRACTICES - PROFESSIONALISM

This course takes the information learned in General Trade Practices, Professionalism and Selling I to the next level. More time is spent developing interpersonal skills (communication with teachers, fellow students and clients), operational skills (reception duties, appointment booking, client consultation and record keeping) and sales techniques. Once again the importance of projecting a professional personal image is emphasised for the successful esthetician.

Contacts

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

BOB FALLE
School Chair
Phone: 250.352.6601 ext 11317
Direct: 250.505.1317
Email: bfalle@selkirk.ca

BRENDA WIEST
Admissions Officer
Phone: 250.352.6601 ext 13204
Direct: 250.354.3204
Email: bwiest@selkirk.ca

Fine Woodworking

selkirk.ca/fine-woodworking

Course of Studies

Course	Name		Credit
CRWW 160	Woodshop Tools and Techniques	On Campus	6
CRWW 161	Joinery Principles and Practices	On Campus	15.4
CRWW 162	Specialized Techniques	On Campus	2
CRWW 164	Materials Technology	On Campus	2
CRWW 165	Wood Finishing	On Campus	2
CRWW 175	Furniture Design	On Campus	2
CRWW 176	Drafting for Furniture	On Campus	4
CRWW 179	Kitchen Design and Construction	On Campus	2
Total			35.4

LENGTH OF STUDY:

Nine Months

ACCREDITATION:

Certificate

CAMPUS:

Silver King Campus, Nelson

Important Dates

2015

- January 5 - Classes continue
- May 22 - Program ends
- May 22-24 - Year End Show
- September 8 - Program begins
- December 17 - Winter break

2016

- January 4 - Classes continue
- May 27 - Program ends

Note: Applicants are advised that this is a popular program. Prospective students should apply well in advance.

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 450 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)

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 11, or 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).
- Basic computer are skills highly recommended.

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 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 woodwork
- 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 woodwork. 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 market place.

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. Student's 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

INDUSTRY AND TRADES CONTACT

Program Contact
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BRENDA WIEST
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Phone: 250.352.6601 ext 13204
Direct: 250.354.3204
Email: bwiest@selkirk.ca

ROB SCHWARZER
School Chair
Phone: 250.352.6601
Fax: 250.352.3180
Email: rschwarzer@selkirk.ca

Forest Technology

selkirk.ca/forestry

Year 1

SEMESTER 1

Course	Name		Credit
ENVR 150	Hydrology I	On Campus	3
ENVR 160	Surveying and Field Measurements	On Campus	4
ENVR 162	Applied Botany and Ecosystem Classification	On Campus	3
ENVR 164	Soil and Earth Sciences	On Campus	3
ENVR 190	Computer Applications I	On Campus	1
MATH 160	Technical Math Review	On Campus	3
TWC 150	Introduction to Technical Communications I	On Campus	3
Total			20

SEMESTER 2

Course	Name		Credit
ENVR 154	Maps and Navigation	On Campus	2
ENVR 158	Introduction to Geomatics	On Campus	2
ENVR 163	Terrestrial Ecology and Biology	On Campus	4
ENVR 170	Fish and Wildlife Ecology	On Campus	3
MATH 190	Resource Statistics I	On Campus	3
TWC 151	Introduction to Technical Writing and Communications II	On Campus	3
FOR 278	Forestry Field School	On Campus	2
Total			19

Year 2

SEMESTER 3

Course	Name		Credit
FOR 250	Silviculture I	On Campus	4
FOR 260	Applied Forest Hydrology and Engineering	On Campus	4
FOR 265	Forest Measurements	On Campus	3
FOR 271	Applied Ecology and Range Management	On Campus	3
FOR 274	Forest Health	On Campus	3
FOR 280	Applied Research	On Campus	1
Total			18

SEMESTER 4

Course	Name		Credit
ENVR 250	Aboriginal Peoples and Environmental Management	On Campus	3
FOR 200	Field Trip Study	On Campus	1
FOR 251	Silviculture II	On Campus	4
FOR 253	Forest Policy and Resource Management	On Campus	2
FOR 261	Forest Harvesting	On Campus	4
FOR 275	Forest Pest Management	On Campus	3
ENVR 290	Computer Applications in Resource Management	On Campus	2
Total			19

LENGTH OF STUDY:

Two Years

ACCREDITATION:

Diploma

CAMPUS:

Castlegar Campus

Program Summary

Our distinguished nationally accredited Forest Technology diploma program bridges the environment with people to ensure the balanced use of forested landscapes. We train forestry professionals to use an ecologically-responsible approach in maintaining the integrity of the whole forest in the short and long-term.

This field is anticipating increased job opportunities to augment a rapidly retiring workforce. The public needs to be reassured that our forests are being managed by skilled, responsible forest practitioners.

BECOME PROFICIENT IN

- Ecology
- Engineering
- Habitat Identification
- Harvesting
- Hydrology
- Inventory
- Regeneration
- Planning
- Protection

YOU'LL BENEFIT FROM

- Instruction by practicing resource professionals
- Field labs in natural forested landscapes
- An ecological approach to finding solutions to environmental issues
- Familiarity with advanced technology
- A chance to experience the beautiful West Kootenays

This program can provide you with a four-month Co-op Education experience and transfers to several Canadian universities offering transfer into a variety of degree programs.

Additional Information

ADDITIONAL INFORMATION

Selkirk College's Forestry Program is known throughout the country for excellence in forest technology education. Subject areas include applied ecology, planning, regeneration, inventory, hydrology, engineering, harvesting, habitat and forest protection in a Nationally Accredited Program. Selkirk College students spend more than 50 percent of their class time in the field learning in real world projects. The program also emphasizes advanced technology, including Geographic Information Systems and Global Positioning Systems applications. The College's graduates are benefiting from our training and the recognition by government, industry and communities of the importance of better forest management. Students successfully completing our diploma automatically qualify to become a trainee forest technologist (TFT) leading to registered forest technologist (RFT) in the Association of BC Forest Professionals.

CURRICULUM ADVISORY

The curriculum for this program is developed in consultation with the Program Advisory Committee (PAC). The PAC membership includes people who hire our students and many are past graduates. Organizations currently having representatives on the committee include Ministry of Forests, small and large forest companies, and forest consultants. The PAC meets regularly and their feedback result in changes to the program.

DEGREE PROGRAMS

The Forest Technology Program now ladders into the Selkirk College Bachelor In Geographic Information Systems and counts as the first two years of this program. Alternately, there is a long-standing tradition of our graduates transferring and successfully completing university degrees. Selkirk's Forest Technology graduates have successfully transferred credit towards degrees in universities throughout Canada and the United States. Selkirk College also has formal transfer arrangements with University of Northern BC, Thompson Rivers University, and Royal Roads University.

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 IEP by completing the relevant third year.

Admission Requirements

Program staff are committed to help students preparing for admission into the program. In addition to meeting the general entrance requirements for admission to Selkirk College, an applicant must meet the following School of Environment and Geomatics program requirements: Please note in the chart below, the new math requirements for students entering Grade 10 in the 2013/14 school year.

SECONDARY SCHOOL MATH ENTRANCE REQUIREMENTS

- Principles of Math 11 with a grade of "C+" or better, or Applications of Math 11 with a grade of "B" or better.
- Principles of Math 11 with a grade of "C+" or better.
- Foundations 11 with a grade of "C+" or better.

HIGH SCHOOL GRADUATES

- Completion of senior secondary school graduation (or equivalent) with the following courses or their equivalents: BIOL 11, ENGL 12, and Principles of MATH 11 with a "C+."

MATURE STUDENTS

- Mature student entry is possible without secondary school completion but mature applicants must have BIOL 11 or 12 and ENGL 12, or equivalent courses with a "C+", and Principles of MATH 11 with a "C+."
- Applicants may be required to complete preparatory modules in mathematics, writing and computers, where identified by the school.

In individual cases, related work experience can be considered in the application process at discretion of the School Chair.

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.

For any questions related to prerequisites and support, please contact School Chair.

COMPUTER COMPETENCY

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 MS Word / MS Excel / and the Internet.

Careers

Graduates are immediately employable and have developed careers throughout BC, Canada and internationally with government, small and large industry, non-government organizations, First Nations and the consulting sector. Over 80% of our graduates find both seasonal and full time forestry employment within two months of graduation. This nationally accredited program enables a direct track for registration with the Association of BC Forest Professionals. Finally, program staff are committed to helping students find relevant experience and employment.

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 (CAFCE) and in consultation with federal and provincial government agencies.

CO-OP EDUCATION WORK-STUDY SEQUENCE:

Sept-Dec	Jan-Apr	May-Aug
Study Term 1	Study Term 2	Co-op Ed Work Term
Study Term 3	Study Term 4	Co-op Ed Work Term
Co-op Ed Work Term	Study Term 5 University Bridging	

FOREST TECHNOLOGY

selkirk.ca/forestry

FOR MORE INFORMATION PLEASE CONTACT:

BRENDA SMITH

Manager, Co-op Education and Employment Services
301 Frank Beinder Way
Castlegar, BC, V1N 4L3
email: Brenda Smith
Tel: 250.365.1280
Fax: 250.365.1218

Application Information

Download the Forest Technology Application Package at <http://selkirk.ca/program/forest-technology/application-information>

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.

Program Courses

ENVR 150 - HYDROLOGY I

This course is an introductory study of water in our environment including its properties, the natural processes which affect it, climate and weather, and practical experience in the collection and analyses 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 AND FIELD MEASUREMENTS

This course covers 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 basics of Botany and Ecosystem Classification. Botany lectures will focus on plant classification, botanical terms, plant morphology, and plant physiology. Topics include: plant cells, tissues, and organ structure and function, photosynthesis and respiration transpiration and translocation. During botany labs, students will learn to identify about 100 native plants commonly found in the West Kootenay Region of BC.

Ecology lectures will focus on ecosystem classification using the Biogeoclimatic Ecosystem Classification System (BEC) of BC. Other key topics include the study of climatic factors and climate change, disturbance and succession, and landscape 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.

ENVR 250 - ABORIGINAL PEOPLES AND ENVIRONMENTAL MANAGEMENT

This course introduces students to the Aboriginal peoples of Canada and their role in resource management. Topics will include Aboriginal cultures, languages and governance, history since contact and the Indian Act, Aboriginal rights and associated landmark court cases, BC treaty process and interim agreements, the Heritage Conservation Act, and working effectively with Aboriginal peoples. In addition, from a Traditional Ecological Knowledge perspective, learners will engage in team-lead projects involving ecosystem-based management, sustainable management, and environmental management systems. This course involves a team-based model of learning and active participation in scenarios and round table discussions.

ENVR 290 - COMPUTER APPLICATIONS IN RESOURCE MANAGEMENT

This course introduces computer applications most commonly used in the resource management industry. Instruction includes digital mapping with RoadENG and ArcGIS 9 incorporating local and provincial data. Topics such as traverse reduction, map assembly and display, and data transfer are covered. GIS file management, basic data translation

and data analysis are covered through hands-on exercises, as data is manipulated and displayed using these software tools. Students will emerge from this course with a set of GIS skills.

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 prepares the students for immediate employment as a forest technician in British Columbia through instruction in silvicultural theory, 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, silviculture surveys, reforestation (natural and artificial regeneration), site preparation, field assessments and preparation of logical and feasible reforestation prescriptions. Field and office case studies are used throughout.

Pre-requisites: All first year courses.

FOR 251 - SILVICULTURE II

This course is a continuation of Forestry 250. Treatments studied include seed and cone collection, and stand tending (juvenile spacing, commercial thinning, pruning, brushing and weeding, and fertilization) and selection of appropriate silviculture systems and development of silviculture and stand management prescriptions. All topics are studied in the classroom and in the field.

Pre-requisites: FOR 250 and Fall term second year courses.

FOR 253 - FOREST POLICY AND RESOURCE MANAGEMENT

This course serves as an introduction to the prominent legislation which directs forest management practices and forest tenures in British Columbia. Topics include: current issues, administration and ownership, access to legislation, introduction to forest tenures, review of main legislation, decision-making and financial analysis,

resource sustainability, and allowable annual cut determination. As well this course explores the Acts and Regulations affecting forest management in BC, the rights to harvest timber, the tenure system, appraisals and value of timber, elements of the Forest and Range Practice Act, private land management, and resource management ethics.

Pre-requisites: FOR 252.

FOR 260 - APPLIED FOREST HYDROLOGY AND ENGINEERING

This course covers the planning and establishment of natural resource road access including total chance access planning, assessing terrain/slope stability and potential environmental impacts of road construction, route corridor reconnaissance, road location techniques, road standards, survey and design, road construction methods, bridges and drainage structures, road management strategies as well as the applicable legislation, permits and methods of estimating construction costs. The course also reviews basic forest hydrology principles and the effects that resource road construction and/or forest harvesting might have on the hydrology of a forested site or small watershed. Additionally, the Skattebo Integrated Project included elements of project management such as

work plan formulation, scheduling, task and duration definition. Aspects of safety and elements of a safe work environment are emphasized during each learning activity.

Pre-requisites: Successful completion of all first year courses (See dept. policy).

FOR 261 - FOREST HARVESTING

An in-depth examination of total chance harvest planning; harvest systems including, ground, cable and aerial; layout considerations; log transport; and the environmental impacts of harvesting operations.

Pre-requisites: FOR 260.

FOR 265 - FOREST MEASUREMENTS

A study of the policies and procedures used for timber cruising, log scaling and waste and residue assessment in British Columbia. Using timber valuation as a focal point, emphasis is placed on field data collection techniques, sampling methods, statistics and data compilation. The opportunities associated with forest carbon offset projects and woody biomass utilization will be explored. The roles of the Ministry of Forests, Lands and Natural Resource Operations and the forest industry are also explored in class and through onsite tours of local forest manufacturers.

Pre-requisites: All first year courses.

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 relevant legislation and guidebooks. Subject matter includes studies of landscape and stand level ecology, soils and terrain assessment, riparian management areas, vegetation complexes, watersheds, and biodiversity. All subject areas are covered in the classroom and in the field.

FOR 274 - FOREST HEALTH

This course consists of an extensive field examination of a wide range of prominent forest health agents and conditions. This includes field recognition, biology, ecological role and forest management implications of various forest insects, fungi and abiotic agents. Other topics include the recognition and management of invasive weed species, assessment of forest health agents in conjunction with silviculture surveys and harvesting prescriptions, management of root diseases and assessment of bark beetle occurrences.

FOR 275 - FOREST PEST MANAGEMENT

This winter semester course expands on materials presented in the Forest Health Management Course. Emphasis is placed on the biology, ecological role and management strategies for selected insect defoliators, bark beetles, wood and boring insects, stem and foliage diseases, dwarf mistletoes, stem decays and exotic species. The class also examines the assessment of danger trees, agents found in the forest nurseries, cone and seed damage and natural population regulation mechanisms.

FOR 278 - FORESTRY FIELD SCHOOL

This course is made up of ten days of practical field work at the end of the Winter semester. Major projects are planting, silvicultural measurements, juvenile spacing, and field mapping and engineering. This course is scheduled for two weeks (70 hours) after final exams in late April.

Pre-requisites: Successful completion of all first year courses.

FOR 280 - APPLIED RESEARCH

This course is an introduction to the basic principles and methods of research with an emphasis on forest resources. The objective of this course assist each student in completing a complete an applied research project that has both a field-based data collection component, and a literature-based research component. Although each student may choose a topic

FOREST TECHNOLOGY

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of personal interest within the field forest resource management, the project must be approved by the advising instructor and be relevant within the forest resource industry. Students will receive instruction on how to conduct field research and produce a technical report. Students will select a research topic and faculty advisor, write a research proposal, produce a technical report and give a presentation on their project at the annual SEG conference at the end of the winter semester. The technical report research paper must conform to either the prescribed format provided, or a format agreed upon with the supervising instructor. This course spans the fall and winter semesters. Students will receive a "course in progress" (CIP) grade in the fall until the research is completed in the winter semester.

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.

TWC 150 - INTRODUCTION TO TECHNICAL COMMUNICATIONS I

A review of basic English skills is undertaken in this course. Also included is an introduction to general principles in written technical communication and its application to renewable resource management. Classroom sessions focus on developing writing skills, academic research and documentation, the organization and interpretation of data, oral presentation skills, and job search techniques.

TWC 151 - INTRODUCTION TO TECHNICAL WRITING AND COMMUNICATIONS II

Introduction to general principles in written technical communication and oral presentation. Lectures focus upon research strategies, the formal report and technical style. Some writing in technical modes is required. Students are introduced to delivery techniques for oral presentations of technical data in renewable resource management and environmental planning.

Pre-requisites: TWC 150 and program continuation.

Contacts

KRISTA MANNLE
Admissions Officer
Phone: 250.365.7292 ext 21425
Direct: 250.365.1425
Email: kmannle@selkirk.ca

BRENDAN WILSON
School Chair
Phone: 250.365.7292 ext 21393
Direct: 250.365.1393
Fax: 250.365.1260
Email: bwilson@selkirk.ca

General Associate of Arts Degree

selkirk.ca/general-associate-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 or 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

Course/Programs	Credits	Conditions
English	6	100-level
Arts Courses	18	100-level of which six must be Humanities, six must be Social Sciences
Arts Courses	18	200-level or higher; credits must be in at least two subject areas
Science Courses	9	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
University Transfer Courses	9	100- or 200-level; Arts, Sciences or university transferable courses in other program areas
Total	60	

LENGTH OF STUDY:

First Year of Two Years

ACCREDITATION:

Associate of Arts Degree

CAMPUS:

Castlegar Campus

Program Summary

Get a leading edge with a solid education.

PROGRAM OVERVIEW

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're 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'll 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 requirements specified below.

Admission Requirements

Admission to an Associate of Arts degree program requires the completion of English 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

FOR UNIVERSITY ARTS & SCIENCES COURSE DESCRIPTIONS:

see page 261

GENERAL ASSOCIATE OF ARTS DEGREE

selkirk.ca/general-associate-arts-degree

by taking a combination of university and upgrading courses during the first year. This mode of entry may extend the length of their program.

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Contacts

UNIVERSITY ARTS & SCIENCES ADMISSIONS

Admissions Officer (Castlegar)
Phone: 1.888.953.1133 ext 21233
Direct: 250.365.1233
Email: rwalker@selkirk.ca

UNIVERSITY ARTS & SCIENCES

Program Contact
Phone: 1.888.953.1133 ext 21205
Direct: 250.365.1205
Email: UAS@selkirk.ca

DAVID FELDMAN

School Chair, UAS, Instructor, Mathematics
Phone: 1.888.953.1133 ext 21331
Direct: 250.365.1331
Email: dfeldman@selkirk.ca

General Associate of Science Degree

selkirk.ca/general-associate-science-degree



Course of Studies

Associate of Science degree requirements (also, please see the summary 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 six semester credits in Mathematics; at least three credits must be in Calculus;
- Completion of at least 18 credits in Science courses that have assigned or unassigned university transfer credit at the 100-level or higher; at least three credits must be in a Laboratory-based Science course;
- Completion of at least 18 credits in Science courses that have assigned or unassigned university transfer credit at the 200-level or higher; these credits must be in at least two subject areas;
- Completion of at least six semester credits in Arts courses at the 100-level or higher, excluding English;
- Completion of an additional six semester credits in courses that have assigned or unassigned university transfer credit at the 100-level or higher; may be Arts, Sciences, or university transferable courses in other program areas.

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

Course/Programs	Credits	Conditions
English	6	100-level
Mathematics	6	At least 3 credits from Math 100, 101, 200
Science	36	100-level or higher At least 3 credits in a Laboratory-based Science At least 18 credits at the 200-level or higher in at least two subject areas.
Arts Elective	6	100-level or higher, excluding English
University Transfer Courses	6	100-level or higher May be Arts or Science courses or other subjects, (eg. Commerce) with university transfer credits.
Total	60	

LENGTH OF STUDY:

Up to Two Years

ACCREDITATION:

General Assoc of Science & Transfer to BSc

CAMPUS:

Castlegar Campus

Program Summary

Open the doors of possibility and have plenty of career options.

PROGRAM OVERVIEW

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.

CAREERS INCLUDE

- Biochemistry and biotechnology
- Fisheries and Aquaculture biology
- Health, sports and nutrition consulting
- Journalism and illustration
- Kinesiology
- Laboratory Manager
- Medicine and medical research
- Pharmacy and pharmaceutical research
- Waste Control and Pollution Regulation
- Wildlife Biology

FOR UNIVERSITY ARTS & SCIENCES COURSE DESCRIPTIONS:

see page 261

GENERAL ASSOCIATE OF SCIENCE DEGREE

selkirk.ca/general-associate-science-degree

Admission 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: rwalker@selkirk.ca

UNIVERSITY ARTS & SCIENCES

Program Contact
Phone: 1.888.953.1133 ext 21205
Direct: 250.365.1205
Email: UAS@selkirk.ca

DAVID FELDMAN

School Chair, UAS, Instructor, Mathematics
Phone: 1.888.953.1133 ext 21331
Direct: 250.365.1331
Email: dfeldman@selkirk.ca

Course of Studies

SEMESTER 1

Course	Name		Credit
GIS 302	Introduction to GIS	On Campus	3
GIS 303	GIS Analysis and Automation	On Campus	3
GIS 310	GIS Data Management	On Campus	3
GIS 316	Introduction to CAD for GIS Professionals	On Campus	3
GIS 318	Cartography and Geovisualization	On Campus	3
GIS 321	New Media for GIS	On Campus	3
GIS 323	Introduction to Global Navigation Satellite Systems	On Campus	3
GIS 329	Principles of Programming	On Campus	3
Total			24

SEMESTER 2

Course	Name		Credit
GIS 306	Introduction to Remote Sensing	On Campus	3
GIS 307	Remote Sensing in Resource Management	On Campus	3
GIS 313	Database Systems	On Campus	3
GIS 314	Spatial Database Design and Development	On Campus	3
GIS 320	GIS Professional Development	On Campus	1
GIS 325	Internet Mapping	On Campus	3
GIS 331	Advanced Topics in GIS	On Campus	3
GIS 390	Technical Project Preparation	On Campus	1
Total			20

SEMESTER 3

Course	Name		Credit
GIS 491	Technical Project	On Campus	3
Total			3

LENGTH OF STUDY:

One Year

ACCREDITATION:

Advanced Diploma

CAMPUS:

Castlegar Campus

- climate research
- Government
- Health care
- Law enforcement
- Mining and natural resources
- Resource development and land management
- Transportation

This program offers you a 4-month Co-op Education experience.

Additional Information

ADDITIONAL INFORMATION

We believe in providing top quality GIS Training and GIS Education that will prepare you with essential GIS skills required to succeed in today's continually changing geo-industry.

We offer powerful, state of the art Geospatial training, encompassing remote sensing, internet mapping, database development and management, customized application programming, global positioning systems (GPS), 3D visualizations and a variety of related software applications and data management techniques including exploration of open source software and open data.

Our GIS courses are also complimented by our Geospatial Research Centre (SGRC), providing students with opportunities to use and understand GIS in current real-world situations.

We offer two credentials in GIS

- Bachelor Degree
- Advanced Diploma

Our Bachelor Degree in Geographic Information Systems (BGIS) program is one of two Bachelor Degrees attainable from Selkirk College. With unmatched flexibility, students can enter and exit our BGIS at a variety of points.

For general information contact the School Chair or for technical information specific to GIS, contact a GIS Instructor.

Program Summary

Geographic Information Systems (GIS) is a highly valued workplace asset with industries increasingly needing GIS experts. With our Advanced Diploma and Bachelor's Degree programs, we prepare you to be GIS Analysts, Applications Specialists, Spatial Data Managers, Project and Land Managers, where you'll analyze geospatial data, build comprehensive databases and find solutions to challenging questions.

BECOME FAMILIAR WITH

- 3D visualization
- Database systems
- GIS multimedia, data management and

programming software

- data management
- programming software
- Global Positioning System (GPS) surveying
- Internet mapping technologies
- Remote sensing

You'll get essential training and individual attention and access to our cutting edge Selkirk Geospatial Research Centre (SGRC), so you'll excel in the classroom, labs and wherever you go after school.

CAREERS INCLUDE

- Business
- Engineering
- Environmental planning

Admission Requirements

ACADEMIC

- The minimum requirement for entry is completion of a recognized college diploma/associate degree or applied/academic degree from an accredited post secondary institution in a related discipline. Such related disciplines include environmental studies, geology, surveying, geography, forestry, business, law enforcement, municipal planning, wildlife biology, emergency services, health care, surveying, recreation, or another field deemed acceptable by the School Chair. Minimum entry is also possible with equivalent education or work experience such as a background doing research or using the software programs described in 2 below.
- Demonstrated competency in computer hardware and software technology, including database management, spreadsheet use, word processing, computer graphics and presentations is required. In addition, some proficiency with GIS software applications is recommended. Demonstrated competency includes evidence of successful completion of course work at the 100 or 200 level. Applicants without GIS software experience may be required to complete a basic introductory course prior to program admission.
- Students may be required to complete the Computer Placement Test for assessment of their English and Math skills prior to entry into the program if they have not previously done so at Selkirk College. This will be the case unless they meet the stated exemptions outlined in Selkirk College Policy B3003.0: Pre-Admission Basic Skills Assessment. International students will be expected to provide a TOEFL exam score of 550 or above unless they have equivalent documentation of English proficiency. (A "B" or above in English 12 or an LPI score of 4 or above would be examples of such equivalency.)
- 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

- Personal Reference. All applicants must submit two personal references on the form provided in the application package.
- Letter of Intent.
- All applicants must complete a brief essay of 500 words or less that states their background and personal interest in the Advanced Diploma in GIS. Applicants should highlight experience in GIS and computer skills in their essay.

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.

Careers

Graduates possess a highly desirable skill set that makes them immediately employable in a diverse range of employment sectors. Graduates may decide to apply their skill set to a previous occupation or field of study or to complement a new career direction. GIS graduates will find work in private sectors, consulting and government agencies. Graduates will use their training to analyze geospatial data and build comprehensive databases to find solutions to challenging questions. Graduates can expect to work as GIS Analysts, GIS Applications Specialists, GIS project managers and Land Managers.

Co-op Education

Advanced Diploma In 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 Co-operative Education (CAFCE) and in consultation with federal and provincial government agencies.

CO-OP EDUCATION WORK-STUDY SEQUENCE:

Sept-Dec	Jan-Apr	May-Aug
Study Term 1	Study Term 2	Co-op Ed Work Term
Study Term 3	Study Term 4	Co-op Ed Work Term
Co-op Ed Work Term	Study Term 5 University Bridging	

FOR MORE INFORMATION PLEASE CONTACT:

BRENDA SMITH
 Manager, Co-op Education and Employment Services
 301 Frank Beinder Way
 Castlegar, BC, V1N 4L3
 email: Brenda.Smith
 Tel: 250.365.1280
 Fax: 250.365.1218

Application Information

Download the Geographic Information Systems, Advanced Application Package at <http://selkirk.ca/program/adgis/application-information>

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.

Program Courses

GIS 302 - INTRODUCTION TO GIS

This course is an introduction to GIS theory, history 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 software.

GIS 303 - GIS ANALYSIS AND AUTOMATION

This course will build upon the fundamentals of GIS theory by examining geodata models, data management and metadata, cartography, advanced analysis, 3D modeling, batching and scripting, and accessing, importing, and translating data. The lab portion of this course will focus on the use of Python scripting for automating ArcGIS and its extensions.

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.

GIS 307 - REMOTE SENSING IN RESOURCE MANAGEMENT

Building upon the skills introduced in Introduction to Remote Sensing I, 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

This course is an introduction to the fundamentals of spatial data and data management principles. With a focus on data specifically in BC and in relation to federal, provincial, municipal, regional and industry, students will learn about the variety and types of data and datasets commonly used. Topics include the ethics of data use, access to BC data, data translation and management tools and data management principles.

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 313.

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 drawings, and crafting print layouts.

This course will frequently touch upon the differences and similarities of CAD and GIS as well as when and how GIS professionals will use CAD in their career and how transitions between the two environments may occur. GIS students should gain appreciation of the complementary technology that CAD offers.

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 also be explored.

GIS 320 - GIS PROFESSIONAL DEVELOPMENT

Knowledge of current and relevant developments and trends in the GIS profession are essential for new practitioners to achieve success in the marketplace and their world. During this course, several local GIS guest speakers are invited to the classroom for learner access and networking. We will explore old, new, and emerging topics related to professionalism including professional ethics, certification, life-long learning, and entrepreneurialism.

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 323 - 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.

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 install and configure software, 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.

GIS 329 - PRINCIPLES OF PROGRAMMING

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 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.

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

Geographic Information Systems – Bachelor Degree

selkirk.ca/gis

Course of Studies

Year 1

SEMESTER 1

Course	Name		Credit
GIS 302	Introduction to GIS	On Campus	3
GIS 303	GIS Analysis and Automation	On Campus	3
GIS 310	GIS Data Management	On Campus	3
GIS 316	Introduction to CAD for GIS Professionals	On Campus	3
GIS 318	Cartography and Geovisualization	On Campus	3
GIS 321	New Media for GIS	On Campus	3
GIS 323	Introduction to Global Navigation Satellite Systems	On Campus	3
GIS 329	Principles of Programming	On Campus	3
Total			24

SEMESTER 2

Course	Name		Credit
GIS 306	Introduction to Remote Sensing	On Campus	3
GIS 307	Remote Sensing in Resource Management	On Campus	3
GIS 313	Database Systems	On Campus	3
GIS 314	Spatial Database Design and Development	On Campus	3
GIS 320	GIS Professional Development	On Campus	1
GIS 325	Internet Mapping	On Campus	3
GIS 331	Advanced Topics in GIS	On Campus	3
GIS 390	Technical Project Preparation	On Campus	1
Total			20

SEMESTER 3

Course	Name		Credit
GIS 491	Technical Project	On Campus	3
Total			3

LENGTH OF STUDY:

Four Years

ACCREDITATION:

Bachelor

CAMPUS:

Castlegar Campus

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, Economics, Marketing, Government, Education, Planning, Engineering, Natural Resources, Environment, Health, Medicine, Utilities and Media.

Additional Information

The Bachelor in Geographic Information Systems (BGIS) is a program that provides unrivaled flexibility in gaining a high sought after skill set that can be applied in a larger variety of disciplines.

The BGIS gives you a unique opportunity to add extensive knowledge of cutting-edge technology to an existing career specialty. If you're getting ready to launch your career in health care, land management, resource development, environmental planning, climate research or a related field, consider the value of a BGIS.

PATHWAYS TO BACHELOR'S DEGREE

Typical applicants for the BGIS degree enter with a minimum 60 credit pre-requisite diploma, associate degree, or degree in a related discipline such as geography, environmental sciences, computer science, or business. This allows direct entry into the Advanced Diploma in GIS (ADGIS) 12 month program. The ADGIS diploma forms the basis of 300 and 400 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 diploma, associate degree, or degree in a related discipline such as geography, environmental sciences, computer science, or business,
- Minimum of 56 credits residency are required at Selkirk College in semesters 6-8. This generally includes the ADGIS 300 and 400 level courses,

Program Summary

We believe in providing top quality GIS Training and GIS Education to prepare you with essential skills to succeed in today's ever-changing Geomatics industry.

Our GIS courses are also complemented by our 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 BGIS 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:

- 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

CO-OP EDUCATION WORK-STUDY SEQUENCE:

Sept-Dec	Jan-Apr	May-Aug
Study Term 1	Study Term 2	Co-op Ed Work Term
Study Term 3	Study Term 4	Co-op Ed Work Term
Co-op Ed Work Term	Study Term 5 University Bridging	

FOR MORE INFORMATION PLEASE CONTACT:

BRENDA SMITH
 Manager, Co-op Education and Employment Services
 301 Frank Beinder Way
 Castlegar, BC, V1N 4L3
 email: Brenda.Smith
 Tel: 250.365.1280
 Fax: 250.365.1218

Application Information

Download the pdf for Geographic Information Systems (GIS) Program at <http://selkirk.ca/program/gis/co-op-education>.

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.

Program Courses

ELECTIVE 018 - GIS-UAS ELECTIVE

The student must pick an elective from Geography and/or business courses approved by the school chair.

GIS 302 - INTRODUCTION TO GIS

This course is an introduction to GIS theory, history 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 software.

GIS 303 - GIS ANALYSIS AND AUTOMATION

This course will build upon the fundamentals of GIS theory by examining geodata models, data management and metadata, cartography, advanced

analysis, 3D modeling, batching and scripting, and accessing, importing, and translating data. The lab portion of this course will focus on the use of Python scripting for automating ArcGIS and its extensions.

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.

GIS 307 - REMOTE SENSING IN RESOURCE MANAGEMENT

Building upon the skills introduced in Introduction to Remote Sensing I, 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

This course is an introduction to the fundamentals of spatial data and data management principles. With a focus on data specifically in BC and in relation to federal, provincial, municipal, regional and industry, students will learn about the variety and types of data and datasets commonly used. Topics include the ethics of data use, access to BC data, data translation and management tools and data management principles.

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 313.

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 drawings, and crafting print layouts.

This course will frequently touch upon the differences and similarities of CAD and GIS as well as when and how GIS professionals will use CAD in their career and how transitions between the two environments may occur. GIS students should gain appreciation of the complementary technology that CAD offers.

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 also be explored.

GIS 320 - GIS PROFESSIONAL DEVELOPMENT

Knowledge of current and relevant developments and trends in the GIS profession are essential for new practitioners to achieve success in the marketplace and their world. During this course, several local GIS guest speakers are invited to the classroom for learner access and networking. We will explore old, new, and emerging topics related to professionalism including professional ethics, certification, life-long learning, and entrepreneurialism.

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 323 - 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.

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 install and configure software, 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.

GIS 329 - PRINCIPLES OF PROGRAMMING

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 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.

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 (s) 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 - TECHNICAL PROJECT PREPARATION

GIS 390: Technical Project Preparation 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 decision making process. Specific skills will be developed in project scoping and development, experimental design, data management, error identification, determining analysis methods, and recommending suitable final outputs. This course is a prerequisite for the Co-op 301 course or the GIS 491 Technical Project.

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 use 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 - THESIS

Contacts

KRISTA MANNLE
Admissions Officer
Phone: 250.365.7292 ext 21425
Direct: 250.365.1425
Email: kmannle@selkirk.ca

TRACEY HARVEY
GIS Program Contact, School of Environment and Geomatics
Phone: 250.365.7292 ext 21522
Direct: 250.304.6522
Email: tharvey@selkirk.ca

BRENDAN WILSON
School Chair
Phone: 250.365.7292 ext 21393
Direct: 250.365.1393
Fax: 250.365.1260
Email: bwilson@selkirk.ca

Program Summary

Selkirk College offers several undergraduate courses in Geography that transfer as credits towards a degree in Geography at other institutions.

If you need a science credit for another program or degree, GEOG 130 - Introduction to Physical Geography (Lab Science) is a great option for students coming from a variety of backgrounds.

Many students seeking to work internationally or work with people from around the world such as Nursing students and Peace 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.

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 it is observing how landscapes are changing or seeking to understand cultural differences. Geography is a "must take" for students looking to integrate their life experiences into their educational pursuits.

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.

Contacts

UNIVERSITY ARTS & SCIENCES ADMISSIONS

Admissions Officer (Castlegar)
Phone: 1.888.953.1133 ext 21233
Direct: 250.365.1233
Email: rwalker@selkirk.ca

UNIVERSITY ARTS & SCIENCES

Program Contact
Phone: 1.888.953.1133 ext 21205
Direct: 250.365.1205
Email: UAS@selkirk.ca

DAVID FELDMAN

School Chair, UAS, Instructor, Mathematics
Phone: 1.888.953.1133 ext 21331
Direct: 250.365.1331
Email: dfeldman@selkirk.ca

LENGTH OF STUDY:

Up to One Year

ACCREDITATION:

General Assoc of Arts and Transfer to BA

CAMPUS:

Castlegar Campus

**FOR UNIVERSITY ARTS & SCIENCES
COURSE DESCRIPTIONS:**

see page 261

Geology

selkirk.ca/program/geology

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 132: Introduction to Physical Geology and GEOL 142: Introduction to Historical Geology 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.

Contacts

UNIVERSITY ARTS & SCIENCES ADMISSIONS

Admissions Officer (Castlegar)
Phone: 1.888.953.1133 ext 21233
Direct: 250.365.1233
Email: rwalker@selkirk.ca

UNIVERSITY ARTS & SCIENCES

Program Contact
Phone: 1.888.953.1133 ext 21205
Direct: 250.365.1205
Email: UAS@selkirk.ca

DAVID FELDMAN

School Chair, UAS, Instructor, Mathematics
Phone: 1.888.953.1133 ext 21331
Direct: 250.365.1331
Email: dfeldman@selkirk.ca

LENGTH OF STUDY:

Up to One Year

ACCREDITATION:

General Assoc of Science and Transfer to BSc

CAMPUS:

Castlegar Campus

**FOR UNIVERSITY ARTS & SCIENCES
COURSE DESCRIPTIONS:**

see page 261

Course of Studies

Year 1

12 week courses September - November, January - March, April - June

TYPICALLY, A COHORT WOULD RUN AS FOLLOWS

- YEAR ONE: September - November GERO 200, January - March GNUR 300, April - June GNUR 302, Electives 313 &/or 310
- YEAR TWO: September - November GNUR 301, January - March GNUR 303, April - June GNUR 302, Electives 210 &/or 310

CORE CURRICULUM

Course	Name	Online	Credit
GERO 200	Contemporary Issues in Gerontology	Online	3
GNUR 300	Introduction to Gerontological Nursing	Online	3
GNUR 301	Psycho-Social Issues Impacting Aging	Online	3
GNUR 302	Physiological Function in the Aged	Online	3
GNUR 303	Delirium, Dementia and Depression in the Elderly	Online	3
Total			15

ELECTIVES

Course	Name	Online	Credit
GNUR 210	Spirituality & Aging	Online	2 or non-credit
GNUR 310	Medication Use and Abuse with the Elderly	Online	2
GNUR 313	End-of-Life Care and Palliation	Online	2
Total			6

LENGTH OF STUDY:

Two Years Part-Time

ACCREDITATION:

Advanced Diploma

CAMPUS:

Online

- Research and administration
- Small health care business owners

YOU'LL LEARN AND YOU'LL GAIN

- Specialized skills
- Leadership capacity
- About promoting compassion, health and independence in our aging citizens
- Confidence to effectively assess, educate and provide client wellness care
- Skills to accurately assess physical, cognitive, social, emotional and spiritual needs of older adults
- Analytical skills to identify future trends and challenges
- Awareness of advocacy issues

UPON THE COMPLETION OF THIS DIPLOMA YOU WILL BE ABLE TO

- Interpret basic geriatric trends and issues
- Accumulate and test a wide variety of health assessment tools
- Demonstrate critical, innovative thinking in problem solving
- Illustrate how to educate towards wellness
- Develop advocacy skills at relational and policy-making levels

Program Summary

Geriatrics is the fastest growing field in health care today. It has been estimated that 75% of nursing time will be spent with older adults by 2020. If you are a Registered Nurse, Licensed Practical Nurse or Registered Psychiatric Nurse interested in continuing education or considering a change in your practice, this Advanced Diploma in Gerontology will provide you the expertise you need to care for older adults in all health care settings.

This Diploma supports you to develop advanced skills and knowledge needed to critically assess the complex physical, cognitive, social, environmental and spiritual changes that confront older adults, and in turn, support the promotion of their health and wellness. Distance delivery provides flexibility to immerse yourself in a dynamic specialty area of practice in the comfort of your home while pursuing other life and career goals. Online learning and

interaction with other health professionals will enhance the richness of your learning and you will be able to pursue personal interests through electives and within course assignments. Course work and study will also help Registered Nurses who meet Canadian Nurses' Association (CNA) criteria prepare to write the CNA Gerontology Certification exam.

Our flexible online delivery allows you to study part-time and complete the Diploma in two – four years while continuing to work and live in your home community.

FIND REWARDING CAREERS

- Acute and residential care (all levels)
- Community nursing (home care and case management)
- Mental health
- Health promotion agencies
- Clinics and primary health care settings

Admission Requirements

FULL-TIME-ADVANCED DIPLOMA

Registered Nurses, Licensed Practical Nurses or Registered Psychiatric Nurses with a minimum of one year nursing experience with adults

Important Dates

YEAR ONE

- September - November GERO 200
- January - March GNUR 300
- April - June GNUR 302
- Electives 313 &/or 310

GERONTOLOGY

selkirk.ca/program/gerontology

YEAR TWO

- September - November GNUR 301
- January - March GNUR 303
- April - June GNUR 302
- Electives 210 &/or 310

Careers

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. Registered Nurses, Licensed Practical Nurses and Registered Psychiatric Nurses who have completed this Advanced Diploma will have specialized knowledge and training to effectively educate, assess and care for older people. 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.

Application Information

Download the Gerontology Application Package at <http://selkirk.ca/program/gerontology/application-information>

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.

Program Courses

GERO 200 - 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.

Pre-requisites: Certificate/Diploma in any Health or Human Service Discipline is preferred.

GNUR 210 - SPIRITUALITY & 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.

TOPICS INCLUDE:

Spirituality vs Religion – are they the same?, The role of spirituality in Health, The importance of Ritual, Hope, Gerotranscendence, 'Dark Night of the Soul', Finding Meaning

This is an on-line distance education course. Basic computer skills are required.

Pre-requisites: Certificate/Diploma in Health or Human Service Discipline preferred.

GNUR 300 - 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. Two conceptual models for nursing acutely ill, chronically ill or frail elders will provide a groundwork for use of assessment tools and critical analysis. A focus on health promotion and wellness in later life will guide and direct nursing leadership in the care of older adults. Web, electronic and journal resources that support nursing practice will be identified.

Pre-requisites: GERO 200 is preferred.

GNUR 301 - PSYCHO-SOCIAL ISSUES IMPACTING AGING

As people age, changes in cognitive and affective function can be impacted by life events, role change, personal choice, acute and chronic disease, or health treatments. Within this course the nurse will develop strategies to assess risk factors and promote psycho social health. Issues of mental competency, elder abuse/neglect and alcoholism in later life will be also examined.

Pre-requisites: GERO 200 and GNUR 300 are preferred.

GNUR 302 - PHYSIOLOGICAL FUNCTION 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, and exploration of potential risk factors, iatrogenic complications, and functional challenge will lead the nurse 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: GNUR 300 is preferable.

GNUR 303 - DELIRIUM, DEMENTIA AND DEPRESSION IN THE ELDERLY

This course will look at current theories of causality, presenting behaviours, risk factors and therapies for each of these conditions. The impact on the family and professional caregivers will be assessed. Dementia nursing care will focus on methods to enhance and retain patient abilities.

Pre-requisites: GNUR 300 is preferable.

GNUR 310 - MEDICATION USE AND ABUSE WITH THE ELDERLY

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 nursing role in medication management with aging clients. An understanding of the pharmacokinetics and pharmacodynamics related to the aging body will assist the gerontological nurse 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: GERO 200 and GNUR 300 are preferred.

GNUR 313 - 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. This course seeks to help each nurse understand their own feelings about death and palliative care, and reflect on their experiences with palliative care. Each participant will gain specific knowledge about symptom assessment and management, and how to deal with palliative emergency situations. Particularly unique aspects of caring for the dying, ie. communication, grief and self-care, will be explored.

Pre-requisites: Nursing Diploma or Degree.

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Contacts

CAROL RIDGE
Enrolment Officer
Direct: 250.365.1324
Email: cridge@selkirk.ca

GAIL POTTER
Nursing Instructor and Gerontology Program
Coordinator
Phone: 250.365.7292 ext 21340
Direct: 250.365.1340
Email: gpotter@selkirk.ca

TERESA PETRICK
School Chair
Phone: 250.365.7292 ext 21442
Direct: 250.365.1442
Email: tpetrick@selkirk.ca

Golf Club Operations

selkirk.ca/golf

Course of Studies

TUITION DISCOUNTS

Tuition discounts are available to people working at clubs that are members of CSCM, NGCOA, GolfBC, CGSA, the Canadian Golf Teachers Federation or ClubLink. See more information on the Application Form.

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 which 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.

GCOOL 103 text: Principals of Food and Beverage Cost Controls by Paul R. Dittmer & J. Desmond Keefe III, John Wiley & Sons, ISBN 978-0-471-78347-3.

GCOOL 111 and 112 text: Accounting for Club Operations, American Hotel & Lodging Association, by Raymond S. Schmidgall and James W. Damitio. ISBN 978-0-86612-190-3.

Course	Name		Credit
GCOOL 102	Overview of Golf Club Operations	Online	3
GCOOL 103	Food and Beverage Controls	Online	3
GCOOL 105	Golf Shop Operations	Online	3
GCOOL 106	Golf Club Marketing	Online	3
GCOOL 107	Turfgrass Management	Online	3
GCOOL 108	Human Resources for Golf Clubs	Online	3
GCOOL 109	Leadership in the Golf Industry	Online	3
GCOOL 110	Tournaments and Special Events Planning	Online	3
GCOOL 111	Accounting for Club Operations Part 1	Online	3
GCOOL 112	Accounting for Club Operations Part 2	Online	3
Total	30		

LENGTH OF STUDY:

10 Courses

ACCREDITATION:

Certificate

CAMPUS:

Online

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. For people wishing to jump start careers in the golf industry, this online certificate is the answer.

WHAT COURSES DO WE OFFER? THESE ARE THE GOLF COURSES OFFERED ONLINE:

- Overview of Golf Club Operations
- Marketing Golf: A Meta-Manual for Club Managers
- Human Resources for Golf Clubs
- Tournament and Special Event Planning
- Food & Beverage: Revenue Management
- Golf Shop Operations
- Turfgrass Management
- Organizational Leadership in the Golf Industry
- Accounting for Club Operations Part 1
- Accounting for Club Operations Part 2

In addition to complete courses, students can select from dozens of time-efficient learning modules designed to build knowledge and skills for specific workplace assignments (modules take about 1/2 day to complete). Modules and courses employ the most impactful technologies available to make learning effective and fun. Courses will run from November-January and January-March.

HOW LONG DOES IT TAKE TO COMPLETE A COURSE?

This is a matter of how much time you commit to working on the courses. We estimate that you should allow 5 hours per week for reading the course materials, completing the quizzes or cases and contacting others in courses that hold formal or informal discussion groups on line. Each week is designed as a new module and 10 modules will make up a course. Some weeks you may spend much more than the 5 hours and in some weeks less than that. Your goal should be to complete a course in 10 weeks, although there are 12 weeks available.

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

WHAT MAKES THIS ONLINE GOLF MANAGEMENT PROGRAM SO UNIQUE?

This 100% online golf management certificate was created in response to requests for flexible golf 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 club operations management. This program is perfectly suited to existing golf club staff who need to upgrade skills to acquire management positions, to young

What are the Admission Requirements?

Online courses are open admission, but experience reveals that applicants who hope to complete courses successfully should have solid computer, verbal and written skills, and access to high speed Internet.

HOW MUCH DOES EACH COURSE COST?

Tuition discounts are available to people working at clubs that are members of CSCM, NCGOA, GolfBC, CGSA, the Canadian Golf Teachers Federation, or ClubLink. See more information on the application form.

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 which utilize the same text.

CAN MY PRIOR WORK AND LIFE EXPERIENCE COUNT TOWARD THE ONLINE CERTIFICATE?

In some instances, particularly for people applying to Selkirk College who have attained college-level learning through means other than formal courses. If credit is granted, students are still required to pay full course fees. If you feel you have a case to apply for a prior learning assessment (PLA), carefully analyze course outlines and assemble past knowledge and experience acquired that match course content. Credits obtained through PLAs can reduce the amount of time needed to earn the certificate, as such, they are strong incentives to continue your post secondary education.

ARE COURSES FROM OTHER COLLEGES OR UNIVERSITIES TRANSFERABLE?

If you have successfully completed a course at another accredited post secondary institution that is substantively the same in terms of learning outcomes and course content, you can apply for advance credit. If you have completed such a course, send us a copy of your official transcript and a course description so we may make an assessment as to course content similarities. If credit is granted, the course in question would count toward the Selkirk College certificate program and there would be no fees charged for that course. Credits obtained through institutional course transfers can reduce the amount of time and expense needed to earn your certificate, as such, they are strong incentives to continue your post secondary education. Selkirk College has a progressive policy about PLAs that recognizes the wisdom of reducing needless duplication.

WHAT IS THE TUITION REFUND POLICY IF I CAN'T COMPLETE A COURSE?

Tuition refunds are based on the date of notification of withdrawal. Such notification must be received in writing by the administrator and/or the College's Records Officer. Refund of fees prior to or during the first ten days of instruction is 75 percent of the tuition fee. Refund of fees during the 11th to 20th day of instruction is 50 percent of the tuition fee. After the 20th day of instruction, no refunds will be granted.

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:

- November 1 - January 23
- February 1- April 23

GCOOL offerings are different than distance learning of a decade ago. New technology facilitates a much richer learning environment by employing audio and video, interactive PowerPoint sessions, and online discussion forums. Selkirk College does everything possible to make the instructional approaches suit learner preferences.

If you want to advance your current golf management career with accredited certification, or if you wish to improve your chances of entering this dynamic industry, online golf management courses are a rapid and very cost effective option.

Admission Requirements

GCOOL golf online courses are open admission, but experience reveals that applicants who hope to complete courses successfully should have solid computer, verbal and written skills.

Students are required to have computer access and high-speed Internet.

Important Dates

2014/2015

- November 1 - January 30 - First semester
- February 1 - April 23 - Second semester

Careers

Golf clubs are complex entities; they are at once retail stores, upscale restaurants, liquor lounges, parks, and recreation centres.

Most clubs have managers for each area. This means great opportunities and a wide variety of careers for people with good business skills knowledge and training. And, for every managerial position, there are often assistant roles.

Application Information

Please make sure you meet all admission requirements. Download the Golf Club Operations Online Certificate application form at: <http://selkirk.ca/program/golf/application-information>.

Program Courses

GCOOL 102 - OVERVIEW OF GOLF CLUB OPERATIONS

This is just the course for you if you want to learn or understand so much more about Canadian golf club operations. You'll learn about Canada's two basic types of golf clubs: private (there are four of them) and public (there are three), and their organizational structure and characteristics. You'll discover the four types of Canadian private golf clubs: member-owned, equity-owned, single or corporate owned, and semi-private, ranging from the most exclusive of golf clubs to golf clubs that will allow anyone to play. You'll also familiarize yourself with Canada's public golf clubs: the municipal, resort, and "owner/operator" golf clubs. You'll see how these golf clubs are managed by a single general manager or a triumvirate partnership of the club manager, golf pro, and golf course superintendent all working together and all reporting to the golf club's board of directors or owner. You will learn about the historic evolution of clubs and the major issues and trends facing golf clubs of today. You'll bone up on the organizational structure and terms of reference of the board of directors, the volunteer committees, the general manager, and all department heads. You'll review how they all work as one large team to satisfy their

GOLF CLUB OPERATIONS

selkirk.ca/golf

particular clientele and you'll discover exactly what their roles and responsibilities are. You'll ponder on how to manage the clubhouse with its inherited problems and realize the importance of formal and informal budgeting. You will become familiar with the "Daily Operation Report", a tool used for revenue and expense control and learn why there are so many difficulties in managing the golf club's food and beverage operation. You'll discuss clubhouse maintenance, housekeeping, and locker room management from the toiletries to stock and laundry systems to be used.

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

The golf shop is the focal point of the club's activities. There is so much more member contact with the golf shop operation than with any other club department. Today's successful General Manager realizes the importance of operating a well organized, excellence-oriented shop (staffed with outstanding employees) where the main goal is to exceed the expectations of the client in every possible way. You'll learn about all facets of the golf shop operation from the shop personnel, the golf shop's floor plan, layout, and design, to analysis of the sales, the preparation of a retail buying plan, inventory management and control, and the "open to buy" formula. You'll discover the four elements of promotion, how to acquire and manage a golf car fleet and all about the advantages and disadvantages of golf shop contracting or leasing - the whole gamut.

GCOOL 106 - GOLF CLUB MARKETING

This course will focus on the knowledge and skills necessary to successfully market a golf facility. With unerring focus on maximizing return on investment (ROI) from all marketing endeavors, students learn how to employ systematic research and strategic marketing planning tools. Also covered are the 11 P's of the marketing mix, the use of 3rd Millennium technology, how to interpret socio-economic trends, the gamut of modern advertising options, and how to employ public relations and media relations. Students also learn how to conduct marketing audits to determine strengths and weaknesses of existing marketing programs.

GCOOL 107 - TURFGRASS MANAGEMENT

Turf grass management is a great discipline for people who love golf and who love working outdoors in park-like settings. The tasks and responsibilities of the course superintendent are analyzed, and the principles of good turf grass management are studied. Students learn about course construction, irrigation, drainage, course design, soil management, fertilizers, mowing techniques and procedures, water management, equipment use and maintenance, how to mitigate insect pests and diseases, as well as alternatives to chemical turf treatments.

GCOOL 108 - HUMAN RESOURCES FOR GOLF CLUBS

This course takes a practical look at how to plan and put in place a comprehensive personnel administration system. The curriculum covers job analysis (determining the number and types of positions needed), the creation of job descriptions, recruitment and selection of job candidates, job interviews, reference checking, orientation, training, performance evaluation, disciplinary procedures and strategies, and termination processes that respect individual rights and that are also in accord with current legal statutes.

GCOOL 109 - LEADERSHIP IN THE GOLF INDUSTRY

One of the greatest challenges a manager faces is to create and maintain a harmonious and productive work force. Through an examination of one's own leadership style as it relates to accepted leadership theories, students learn how to achieve organizational and personal goals. Why people behave the way they do in an organization is studied along with delegation, motivation, decision making, effective business meeting structure, conflict management, coaching, and team building.

GCOOL 110 - TOURNAMENTS AND SPECIAL EVENTS PLANNING

No doubt one of the most popular courses among students, in this course you will discover the in's and out's of planning and conducting special activities and programs at the golf club. You'll analyze the need for standard grass roots programming at the golf club level and learn, specifically, the importance of developing strong junior golf and members' programs. You'll examine how to organize "opens," "invitationals" and "corporate" golf days while learning about the financial impacts of these events at all levels. You'll learn to plan and coordinate exactly how to make tournaments and special events successful. Catering to the wants and needs of the larger groups will be emphasized as you tune into the tricks and tips of tee time booking procedures, practice/teaching facility do's and don'ts and back shop operations supervision...the whole nine yards.

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

STEVE BAREHAM
Instructor, Hospitality and Tourism Administrator,
Golf Club Operations Online Certificate Program
Phone: 250.352.6601 ext 11326
Direct: 866.301.6601
Fax: 250.352.6601
Email: sbareham@selkirk.ca, gcool@selkirk.ca

BOB FALLE
School Chair
Phone: 250.352.6601 ext 11317
Direct: 250.505.1317
Email: bfalle@selkirk.ca

Course of Studies

Course	Name		Credit
HAIR 110	Introduction to Hairdressing	On Campus	1.5
HAIR 152	Infection Control	On Campus	1
HAIR 154	Shampoo and Massage I, II	On Campus	1
HAIR 156	Trichology and Chemistry	On Campus	3
HAIR 158	Hairstyling and Blow Drying I, II, III	On Campus	6
HAIR 160	Communications I, II, III	On Campus	1
HAIR 162	Hair Shaping and Hair Cutting I, II, III	On Campus	6
HAIR 164	Chemical Texturizing I, II, III	On Campus	6
HAIR 166	Hair Colouring I, II, III	On Campus	6
HAIR 168	Salon Business and Management II, III	On Campus	1
HAIR 170	Wigs and Hair Additions	On Campus	1
HAIR 172	Practicum	On Campus	6
Total			39.5

LENGTH OF STUDY:

Nine Months

ACCREDITATION:

Certificate

CAMPUS:

Silver King Campus, Nelson

used in this occupation. This occupation is physically demanding and reasonable physical conditioning is necessary and people skills required.

- Professional clothes must be worn to all classes and practicums (no jeans).
- Learn more about the math requirements at <http://selkirk.ca/program/hairdressing/admission-requirements>.

Consideration will be given to mature individuals (19 years or older) who are not Senior Secondary School graduates provided they have successfully completed Grade 10 or equivalent.

Program Summary

Our professional Hairdressing program will teach you how to become a professional hair stylist, armed with the skills you need to keep your clients' tresses looking sleek all year.

Our professional hairdressing program gives you detailed training on everything you'll need to know about getting hair healthy from root to tip and keeping your clients coming back for more.

GET PROFESSIONAL RESULTS

From hair structure and chemical composition to colouring and styling, we'll give you a broad overview, plus train you in workplace and client communications that you'll be able to put into practice in weekly commercial salon practicum.

- Hair colouring and chemical texturizing
- Hair shaping, cutting, styling and blow drying
- Practicum placements
- Salon business, management and communications
- Shampoo and massage
- Trichology and chemistry
- Wigs and hair additions

PROGRAM OBJECTIVES

You will develop skills in hairstyling techniques and gain knowledge of related areas which will enable you to perform the work of an operator. You will receive theoretical and practical skills training throughout the program including a weekly practicum at a commercial

salon. Learning is accomplished through practical instruction and your participation with equipment, tools, and materials used in the hairdressing trade.

Once you successfully complete the program you will be awarded a Selkirk College Certificate of Completion and are eligible to write the Industry Training Authority Certificate of Qualification exam.

ACE IT HIGH SCHOOL TRANSITION PROGRAMS

This program qualifies for high school transitions. A program that is designed to help secondary school students get a head-start on their trades careers, while earning graduation credit, the BC Industry Training Authority (ITA) Accelerated Credit Enrolment in Industry Training (ACE IT) program is a perfect way to learn more about the industry.

Speak with your high school guidance counsellor to learn more or get in touch with our ITT Admin Assistant by email or phone 1.866.301.6601 ext. 13221.

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 be non-allergic to the solutions

Important Dates

2015

- September 8 - Program begins.
- December 18 - Winter break.

2016

- January 5 - Program continues.
- May 28 - Program ends.

Careers

Employment success rates have been favourable with the vast majority of graduates finding relevant employment within six months of graduation. Prospects for employment success are greatly enhanced if graduates are free to relocate to other areas.

CAREER OPPORTUNITIES

- Hairstylist
- Technician
- Platform artist
- Salon management
- Cruise ship salon operator
- Film stylist
- Instructor
- Salesperson

HAIRDRESSING

selkirk.ca/hairdressing

Application Information

Download the Hairdressing Application Package at <http://selkirk.ca/program/hairdressing/application-information>

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.

Program Courses

HAIR 110 - INTRODUCTION TO HAIRDRESSING

This course covers the history of hairdressing, trade terminology, required skills and equipment, the role of the Cosmetology Industry Association of British Columbia, and Hairdressing Code of Ethics. Students will practice personality development, motivation and goal setting; professional image projection; safety procedures and first-aid.

HAIR 152 - INFECTION CONTROL

This course focuses on personal grooming and public hygiene, bacteriology and related diseases/disorders, sanitation and sterilization.

HAIR 154 - SHAMPOO AND MASSAGE I, II

Following theoretical study and analysis, students will practice the provision of client services including preparation, analysis of hair and scalp condition, appropriate product selection, shampooing, and appropriate follow-up treatments in a salon setting. Two days are dedicated to learning and practicing massage techniques.

HAIR 156 - TRICHOLOGY AND CHEMISTRY

Histology (the study of skin), the physiology of hair, hair structure, hair chemistry, and the structure of skin are covered in a classroom setting.

HAIR 158 - HAIRSTYLING AND BLOW DRYING I, II, III

Students are introduced to the concepts of client lifestyle analysis, head form analysis, and hair growth analysis. Students will develop terminology associated with styling and the tools used for various techniques. Techniques include finger waving, pin

curling, skip waving, moulding, roller placement, thermal styling, braiding, combing out and finishing techniques. Techniques and applications for both short and long hair styling are examined.

HAIR 160 - COMMUNICATIONS I, II, III

Principles of professional communication, client consultation, and maintaining client satisfaction are introduced with an emphasis on verbal and non-verbal communication skills, critical thinking, conflict management and team building.

HAIR 162 - HAIR SHAPING AND HAIR CUTTING I, II, III

An extensive hands-on component of the program where the analysis of client lifestyle, physical characteristics, head form, and hair growth patterns are applied to the practice of shaping and cutting in a salon setting. Students will learn and practice the following hair-cutting techniques on live subjects and mannequins: sectioning and parting, body and hand positioning, tension control, cutting angles, scissor cuts, razor cuts, use of tapering shears, low and high elevation haircuts, wet to dry haircuts, form and balance.

HAIR 164 - CHEMICAL TEXTURIZING I, II, III

Systems of permanent waving; client preparation; safety precautions and procedures; liability release forms; hair and scalp analysis; hair relaxing; strand tests; product knowledge; physical preparation methods; chemical application and removal; and follow-up treatments are learned and practiced in this unit.

HAIR 166 - HAIR COLOURING I, II, III

Classifications of hair colours and lighteners, client preparation, liability release, safety precautions and procedures, hair and scalp analysis, strand tests, foiling, tint application, de-colourizing, low-lighting & highlighting, product knowledge, application and removal of chemicals, and follow-up treatments are learned and practiced.

HAIR 168 - SALON BUSINESS AND MANAGEMENT II, III

An introduction to the practicalities of small business management is undertaken. The principles of needs analysis, product knowledge, sales techniques, client identity, record keeping, book keeping, appointment & work scheduling, time management, reception services, salon layout & design, marketing, costs, revenues, and profits are undertaken.

HAIR 170 - WIGS AND HAIR ADDITIONS

An introduction to the typology, measurement, fitting, cleaning, conditioning, cutting, colouring and styling of wigs, hair pieces and extensions.

HAIR 172 - PRACTICUM

Students are assisted in securing weekly practicum positions in salons in communities of their choice. Under the supervision and discretion of the salon owner/operator, students will engage in activities in accordance with their demonstrated skill, knowledge and ability. Practicum placement provides valuable opportunities to integrate study with work.

Contacts

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

BOB FALLE

School Chair
Phone: 250.352.6601 ext 11317
Direct: 250.505.1317
Email: bfalle@selkirk.ca

BRENDA WIEST

Admissions Officer
Phone: 250.352.6601 ext 13204
Direct: 250.354.3204
Email: bwiest@selkirk.ca

Course of Studies

SEMESTER 1

Course	Name		Credit
HCA 101	Health & Healing: Concepts for Practice	On Campus	5
HCA 102	Health Care Assistant: Introduction to Practice	On Campus	2
HCA 103	Health 1: Interpersonal Communications	On Campus	3
HCA 104	Health2: Lifestyle and Choices	On Campus	2
HCA 105	Healing 1: Caring for individuals experiencing common health challenges	On Campus	8
HCA 106	Healing 2: Caring for Individuals Experiencing Cognitive or Mental Challenges	On Campus	4
HCA 107	Healing 3: Personal Care and Assistance	On Campus	4
Total			28

SEMESTER 2

Course	Name		Credit
HCA 108	Practice Experience in Home Support and Assisted Living	On Campus	2
HCA 109	Practice Experience in Multi-Level/Complex Care	On Campus	7
Total			9

LENGTH OF STUDY:

26 Weeks (16-wks theory, 10-wks practice)

ACCREDITATION:

Certificate

CAMPUS:

Trail Campus

- Front-Line Care Providers
- Home Support
- Residential Care Attendants
- Special Care Units

Admission Requirements

- English 11 (or equivalent) - C+ or better
- Science 10 (or equivalent) - C+ or better
- Mathematics 10 (or equivalent) - C+ or better
- Applicants who are upgrading in preparation for entry are strongly advised to complete ABE Intermediate Science, including the following five modules: Human Biology, The Cell, Nutrition, Disabilities, and Disease
- Possess current certificate in CPR (Level C) and Standard First Aid
- Current immunizations as outlined for health care workers by the Ministry of Health
- Criminal Record Check with BC Ministry of Justice
- All applicants must complete the College Readiness Tool (CRT) to assess reading, writing, and math

NOTE: 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. Standardized proficiency assessments and required scores in all four language skills areas (speaking, listening, reading and writing) are outlined at http://www.cachwr.bc.ca/getattachment/Educators/English-Language-Competency_HCA-Program-Entry.pdf.aspx

Application Information

Download the Health Care Assistant Application Package at <http://selkirk.ca/program/hca/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).

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 Health Care Assistant Program is designed to provide students with opportunities to develop the knowledge, skills and attitudes necessary to function effectively as front-line care providers and 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.

This certificate meets curriculum requirements of the Ministry of Advanced Education, Training and Technology and is recognized within British Columbia.

SPECIAL COSTS AND TRAVEL

Students are required to have uniforms, footwear (must comply to Work Safe BC standards), a watch with a second hand, and bandage scissors. 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.

TAKE THIS PROGRAM IF YOU ARE

- Caring
- Genuinely interested in people
- Comfortable dealing with difficult situations
- Easily adaptable to diversity
- A good communicator
- Self-motivated and responsible

CAREER OPTIONS INCLUDE

- Adult Day Care
- Assisted Living
- Community Health Workers
- Complex Care

HEALTH CARE ASSISTANT

selkirk.ca/hca

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

Program Courses

HCA 101 - HEALTH & HEALING: CONCEPTS FOR PRACTICE

This course provides the theoretical framework for practice. Students are introduced to the concepts and values that provide the foundation for competent practice as a HCA. The concepts of caring, person-centered care, basic human needs, human development, family, culture, and diversity are examined. Students are also introduced to the problem-solving model.

HCA 102 - HEALTH CARE ASSISTANT: INTRODUCTION TO PRACTICE

This course provides an introduction to the role of the HCA within the British Columbia health care system. Students are introduced to the health care team and the roles and functions of the HCA within the team. Students also have opportunities to develop self-reflective skills required for competent practice and will be introduced to effective job-finding approaches.

HCA 103 - HEALTH 1: INTERPERSONAL COMMUNICATIONS

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.

HCA 104 - HEALTH2: LIFESTYLE AND CHOICES

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.

HCA 105 - HEALING 1: CARING FOR INDIVIDUALS EXPERIENCING COMMON HEALTH CHALLENGES

This course introduces the students to the normal structure and function of the human body and normal bodily changes associated with aging. Students explore common challenges to health and healing in relation to each body system. Students are also encouraged to explore person-centered practice as it relates to the common challenges to health and end of life care.

HCA 106 - HEALING 2: CARING FOR INDIVIDUALS EXPERIENCING COGNITIVE OR MENTAL CHALLENGES

This course builds on content from other courses to assist students to explore concepts and care giving approaches that allow the student to work effectively with individuals experiencing cognitive or mental challenges. Emphasis is on recognizing behaviours and identifying person-centered intervention strategies.

HCA 107 - HEALING 3: PERSONAL CARE AND ASSISTANCE

This practical course offers students the opportunity to acquire personal care and assistance skills within the parameters of the HCA role. The course is comprised of class, supervised laboratory experiences and a one-week supervised experience in a residential care facility. The aim of this course is to assist the student to integrate theory from other courses to develop care-giver skills that maintain and promote the comfort, safety, and independence of individuals in community and facility contexts.

HCA 108 - PRACTICE EXPERIENCE IN HOME SUPPORT AND ASSISTED LIVING

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.

HCA 109 - PRACTICE EXPERIENCE IN MULTI-LEVEL/COMPLEX CARE

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
Direct: 250.365.1233
Email: rwalker@selkirk.ca

TERESA PETRICK
School Chair
Phone: 250.365.7292 ext 21442
Direct: 250.365.1442
Email: tpetrick@selkirk.ca

Heavy Mechanical Foundation

selkirk.ca/program/heavy-mechanical-foundation

LENGTH OF STUDY:

Nine Months

ACCREDITATION:

Certificate

CAMPUS:

Silver King Campus, Nelson

Course of Studies

- Safe Work Practices
- Work Practices and Procedures
- Welding Principles
- Safe Hoisting Procedures
- Hydraulic Brake Systems
- Air Brake Systems
- Alternate Brake Systems
- Electrical and Electronic Systems
- Power Train Components
- Gasoline Engines
- Diesel Engines
- Hydraulic Systems
- Heavy Duty Wheeled Equip & Attachments
- Track Machines & Attachments
- Winches & Attachments
- Prepare for Employment

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.

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.

As part of the program, all students are given an opportunity to acquire an Air Brake Endorsement on their driver's license and a Forklift Operator's Certificate. Additional certification in Occupational First Aid Level 1 and WHMIS are available to Heavy Mechanical Foundation students through the College's Continuing Education department.

ACE IT HIGH SCHOOL TRANSITION PROGRAMS

This program qualifies for high school transitions. A program that is designed to help secondary school students get a head-start on their trades careers, while earning graduation credit, the BC Industry Training Authority (ITA) Accelerated Credit Enrolment in Industry Training (ACE IT) program is a perfect way to learn more about the industry.

Speak with your high school guidance counsellor to learn more or get in touch with our ITT Admin Assistant by email or phone: 1.866.301.6601 ext. 13221.

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 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.

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.

HEAVY MECHANICAL FOUNDATION

selkirk.ca/program/heavy-mechanical-foundation

Important Dates

2015

- January 5 - Program continues
- May 22 - Program ends
- September 8 - Program begins
- December 17 - Winter break

2016

- January 4 - Program continues
- May 27 - Program ends

Careers

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

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

BRENDA WIEST

Admissions Officer

Phone: 250.352.6601 ext 13204

Direct: 250.354.3204

Email: bwiest@selkirk.ca

ROB SCHWARZER

School Chair

Phone: 250.352.6601

Fax: 250.352.3180

Email: rschwarzer@selkirk.ca

Course of Studies

The following is a suggested mix of courses to satisfy requirements for the Associate of Arts Degree in History. Courses should be chosen only after consultation with a Selkirk College counsellor.

Year 1

SEMESTER 1

Course	Name		Credit
ENGLISH	English Requirement: ENGL 110 or ENGL 112	On Campus	3
HISTORY	History Requirement: HIST 104 or HIST 106	On Campus	3
MATH SCI	Mathematical Science Elective for Arts	On Campus	3
HUMANITIES	Humanities Elective	On Campus	3
SOC SCI	Social Science Elective	On Campus	3
Total			15

SEMESTER 2

Course	Name		Credit
ENGLISH	English Requirement: ENGL 111 or ENGL 114	On Campus	3
HISTORY	History Requirement: HIST 105 or HIST 107	On Campus	3
LAB SCI (a)	Laboratory Science Elective	On Campus	3
HUMANITIES	Humanities Elective	On Campus	3
SOC SCI	Social Science Elective	On Campus	3
Total			15

Year 2

SEMESTER 3

Course	Name		Credit
HIST 203	A History of British Columbia	On Campus	3
HIST 220	Latin America: Pre-1821	On Campus	3
ARTS II	Second Year Arts Breadth Requirement (Excluding Discipline)	On Campus	3
OPEN SCI	Science Elective	On Campus	3
UAS ELECT	General UAS Elective	On Campus	3
Total			15

SEMESTER 4

Course	Name		Credit
HISTORY	History Requirement: HIST 210 or HIST 215	On Campus	3
HIST 221	Latin America: Post-1821	On Campus	3
ARTS II	Second Year Arts Requirement (Including Discipline)	On Campus	3
UAS ELECT	General UAS Elective	On Campus	3
UAS ELECT	General UAS Elective	On Campus	3
Total			15

LENGTH OF STUDY:

Two Years

ACCREDITATION:

Associate of Arts Degree

CAMPUS:

Castlegar Campus

Program Summary

History is more relevant than you may think—let us show you why.

PROGRAM OVERVIEW

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 honours program.

HISTORY COURSES INCLUDE

- Canada before confederation
- Western civilization

HISTORY

selkirk.ca/program/history

- Contemporary Canada
- A history of British Columbia
- Latin America: Pre-1821 and Post-1821
- A history of the First Nations of Canada
- A history of the West Kootenay

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.

Admission Requirements

Admission to the program requires the completion of English 12 with a grade of "C" or better. 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.

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. The 110/111 sequence is focused on the development of academic writing and research. 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. The 112/114 sequence is focused on the interpretation of literature.

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.

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.

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.

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.

- English
- French
- History
- Peace Studies
- Spanish
- Creative Writing
- A foreign language is recommended.

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.

- 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

Human Services Diploma

selkirk.ca/program/human-services-diploma

Course of Studies

A range of electives are available to diploma students including the ones listed below. Consult your faculty advisor to develop your course schedule.

In your fourth semester please choose either PSYC 101 or PSYC 240.

Child & Youth Care

SEMESTER 4

Course	Name		Credit
HSER 254	Core Concepts in Human Services	On Campus	3
HSER 258	Fundamentals of Change I	On Campus	3
HSER 276	Issues in Youth	Online	3
PSYC 101	Introductory Psychology II	On Campus	3
PSYC 240	Child Development	On Campus	3
ELECTIVE 005	HSER Elective or other UAS Elective	On Campus	3
Total			18

SEMESTER 5

Course	Name		Credit
HSER 255	Professional Foundations for Human Services	On Campus	3
HSER 259	Fundamentals of Change 2	On Campus	3
HSER 264	Introduction to Professional Child and Youth Care	On Campus	3
ENGL 111	Introduction to Literature	On Campus	3
PSYC 241	Adult Development	On Campus	3
ELECTIVE 005	HSER Elective or other UAS Elective	On Campus	3
Total			18

ELECTIVES

Course	Name		Credit
HSER 257	Mental Health Issues: Practical Responses	Online	3
HSER 267	Supervision in Human Service Agencies	On Campus	3
FNST 287	First Nations Practice Studies	On Campus	3
Total			9

SEMESTER 6

Course	Name		Credit
HSER 270	Practicum in a Child and Youth Care Setting	On Campus	5
Total			5

Early Childhood Care & Education

LENGTH OF STUDY:

One Year

ACCREDITATION:

Diploma

CAMPUS:

Castlegar Campus

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 (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.

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

Program Pathways

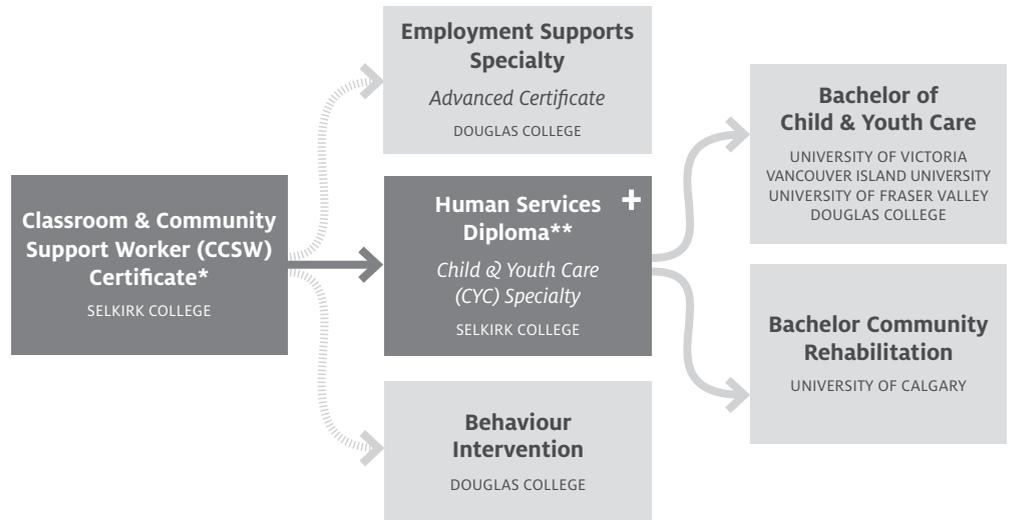
Selkirk College Human Services program graduates can ladder into programs offered by other post-secondary institutions. See the diagram on the right for academic pathways for each diploma stream.

* 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.

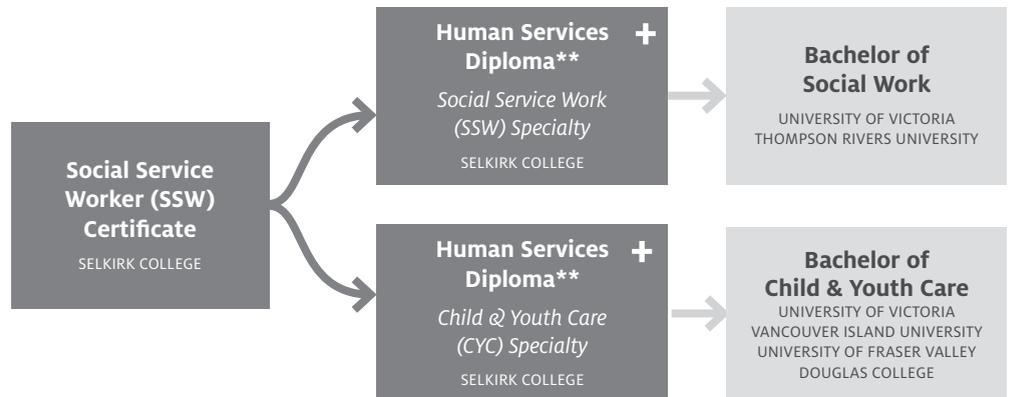
** NOTE: Students planning to transfer into a degree program MUST check the transfer requirements of the receiving institution.

+ An optional Mental Health Addictions Associate Certificate is available with all Human Services Diploma specialties.

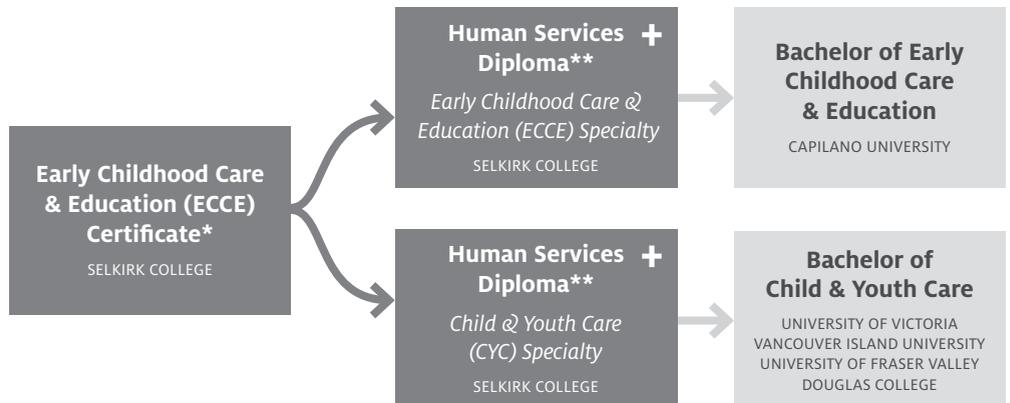
CLASSROOM & COMMUNITY SUPPORT WORKER PROGRAM PATHWAYS



SOCIAL SERVICE WORKER PROGRAM PATHWAYS



EARLY CHILDHOOD CARE & EDUCATION PROGRAM PATHWAYS



HUMAN SERVICES DIPLOMA

selkirk.ca/program/human-services-diploma

SEMESTER 4

Course	Name		Credit
HSER 254	Core Concepts in Human Services	On Campus	3
HSER 258	Fundamentals of Change I	On Campus	3
PSYC 101	Introductory Psychology II	On Campus	3
ECCE 289	Responsive Inclusive Environments	On Campus	8
Total			17

SEMESTER 5

Course	Name		Credit
HSER 255	Professional Foundations for Human Services	On Campus	3
HSER 259	Fundamentals of Change 2	On Campus	3
ENGL 111	Introduction to Literature	On Campus	3
PSYC 241	Adult Development	On Campus	3
ECCE 287	Practices in Supported Child Development	On Campus	4
HSER 267	Supervision in Human Service Agencies	On Campus	3
Total			19

SEMESTER 6

Course	Name		Credit
ECCE 292	Supported Child Development Block Practicum	Practicum	5
Total			5

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.

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.

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.

FNST 287 - FIRST NATIONS PRACTICE STUDIES

This course will provide students with an introduction to Indigenous teachings and practices. 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.

Pre-requisites: ENGL 110.

GERO 200 - 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.

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

Program Courses

ECCE 287 - PRACTICES IN SUPPORTED CHILD DEVELOPMENT

In this course learners will study characteristics of exceptionalities in young children and their behavioural implication within inclusive environments. Understanding of the developmental and learning implications of developmental delays and of specific disabilities and health related issues will be the

basis for learning specialized techniques and strategies that facilitate development and learning. Communication abilities of the child and ways of enhancing communication will be studied.

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 practise and working collaboratively with families, professionals and community services.

ECCE 292 - SUPPORTED CHILD DEVELOPMENT BLOCK PRACTICUM

This practicum experience is designed to provide the student, under supervision, with opportunities to apply and consolidate knowledge and skills in working with children with extra support needs in group settings. The student will complete the practicum in

Participants will have the opportunity to identify and examine their personal beliefs and values about the aging process throughout the course.

Pre-requisites: Certificate/Diploma in any Health or Human Service Discipline is preferred.

**HSER 254 - CORE CONCEPTS
IN HUMAN SERVICES**

This course introduces students to the concepts of theory and practice in Human Services and the interrelationship between the two. A number of theoretical perspectives on change, such as developmental, feminist and multicultural, are explored both from a Social Work and Child and Youth Care practice perspective. Each approach offers a basis for understanding the change process and supporting behavioural change. These approaches offer the basis for developing a beginning of an integrated knowledge base for approaching practice.

Pre-requisites: HS Certificate or Instructor's permission.

**HSER 255 - PROFESSIONAL FOUNDATIONS
FOR HUMAN SERVICES**

The foundations of human services professional practices are explored through an examination of the issues surrounding professional identity, ethical practice, and the interdisciplinary team approach. The skills required for communicating as a professional and as a team member, both oral and written, are developed throughout the course.

Pre-requisites: HS Certificate or Instructor's permission.

**HSER 257 - MENTAL HEALTH ISSUES:
PRACTICAL RESPONSES**

Practical Responses to Mental Health and Addictions Problems, 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 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.

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

Course	Name		Credit
HSER 254	Core Concepts in Human Services	On Campus	3
HSER 258	Fundamentals of Change I	On Campus	3
PSYC 240	Child Development	On Campus	3
ELECTIVE 005	HSER Elective or other UAS Elective	On Campus	3
ELECTIVE 005	HSER Elective or other UAS Elective	On Campus	3
Total			15

ELECTIVES

Course	Name		Credit
HSER 276	Issues in Youth	Online	3
GERO 200	Contemporary Issues in Gerontology	Online	3
Total			6

SEMESTER 5

Course	Name		Credit
HSER 255	Professional Foundations for Human Services	On Campus	3
HSER 281	Directed Studies - Methods	On Campus	3
PSYC 241	Adult Development	On Campus	3
HSER 259	Fundamentals of Change 2	On Campus	3
ELECTIVE 005	HSER Elective or other UAS Elective	On Campus	3
ELECTIVE 005	HSER Elective or other UAS Elective	On Campus	3
Total			18

ELECTIVES

Course	Name		Credit
HSER 257	Mental Health Issues: Practical Responses	Online	3
HSER 267	Supervision in Human Service Agencies	On Campus	3
FNST 287	First Nations Practice Studies	On Campus	3
Total			9

SEMESTER 6

Course	Name		Credit
HSER 280	Advanced Human Service Practicum	Practicum	5
Total			5

HUMAN SERVICES DIPLOMA

selkirk.ca/program/human-services-diploma

HSER 259 - FUNDAMENTALS OF CHANGE 2

This course is designed to assist students to build advanced helping skills on the base developed in HSER 258. Students 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 that 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 evaluating of outcome in helping interventions.

Pre-requisites: HS Certificate or Instructor's permission.

HSER 264 - INTRODUCTION TO PROFESSIONAL CHILD AND YOUTH CARE

This course 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 students to work with and advocate for children, youth and families more effectively. The historical development of the field is explored and students gain a working understanding of the key concepts and basic principles of practice in the child and youth care field. They also 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 - SUPERVISION IN HUMAN SERVICE AGENCIES

Human Service agencies are labour-intensive organizations which invest most of their financial resources in personnel who are engaged in delivering front-end or "hands-on" services. This course will explore the issues around the selection and supervision of staff and assist the participants to develop skills in managing staff in a way that will promote productivity while meeting the needs of these employees.

Pre-requisites: Certificate in ECCE, SSW, CCSW or 30 credits of University Transfer credit including ENGL 110/111 and PSYC 100/101 OR PLA indicating equivalent knowledge and skill to an ECCE, SSW or CCSW certificate.

HSER 270 - PRACTICUM IN A CHILD AND YOUTH CARE SETTING

A 200 to 250 hour practicum located 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.

HSER 276 - ISSUES IN YOUTH

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

Practicum A second level or advanced practicum for individuals who have completed a previous block practicum or have demonstrated those skills through a PLA. After an orientation to the agency, students are expected to provide direct services, assuming full responsibility with appropriate supervision, to specified clients, or client groups. Students will develop competence in providing a specific service and in participating as a team member in the agency. The practicum is normally 250 hours.

HSER 281 - DIRECTED STUDIES - METHODS

This is a directed studies methods course for working with a specified client population. Students are expected to demonstrate a basic understanding of the specific theoretical approaches to working with the specific client population. Further, they are expected to demonstrate an in depth understanding of the specific concerns and issues related to a distinctive group, such as people with specific disabilities, drug and alcohol addictions, people who experience violence, community-based advocacy, etc. Each student is required to develop a contract with an appropriate faculty member that includes the required outcomes.

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 equivalent 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 or equivalent or written permission of the Instructor and School Chair.

Contacts

RACHEL WALKER
Admissions Officer
Phone: 1.888.953.1133 ext 21233
Direct: 250.365.1233
Email: rwalker@selkirk.ca

TERESA PETRICK
School Chair
Phone: 250.365.7292 ext 21442
Direct: 250.365.1442
Email: tpetrick@selkirk.ca

Course of Studies

Year 1

SEMESTER 1

Course	Name		Credit
ENVR 150	Hydrology I	On Campus	3
ENVR 160	Surveying and Field Measurements	On Campus	4
ENVR 162	Applied Botany and Ecosystem Classification	On Campus	3
ENVR 164	Soil and Earth Sciences	On Campus	3
ENVR 190	Computer Applications I	On Campus	1
MATH 160	Technical Math Review	On Campus	3
TWC 150	Introduction to Technical Communications I	On Campus	3
Total			20

SEMESTER 2

Course	Name		Credit
ENVR 154	Maps and Navigation	On Campus	2
ENVR 158	Introduction to Geomatics	On Campus	2
ENVR 163	Terrestrial Ecology and Biology	On Campus	4
ENVR 170	Fish and Wildlife Ecology	On Campus	3
MATH 190	Resource Statistics I	On Campus	3
TWC 151	Introduction to Technical Writing and Communications II	On Campus	3
IEP 276	Ecological Restoration and Remediation	On Campus	1
IEP 277	Environmental Planning Applications	On Campus	1
Total			19

Year 2

SEMESTER 4

Course	Name		Credit
IEP 250	Environmental Planning Applications I	On Campus	4
IEP 260	Systems Ecology	On Campus	3
IEP 266	Applied Microbiology	On Campus	3
IEP 270	GIS Applications I	On Campus	2
IEP 280	Environmental Chemistry	On Campus	4
MATH 291	Resource Statistics II	On Campus	2
Total			18

SEMESTER 5

Course	Name		Credit
IEP 251	Integrated Planning Applications II	On Campus	3
IEP 255	Hydrology II	On Campus	2
IEP 271	GIS Applications II	On Campus	2
IEP 281	Water and Air Pollution Chemistry	On Campus	4
IEP 290	Environmental Sustainability	On Campus	3
IEP 291	Applied Research Project	On Campus	1
MATH 140	Calculus I for Social Sciences	On Campus	3
IEP 200	Field Trip Study	On Campus	1
Total			19

LENGTH OF STUDY:

Two 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

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 Arc GIS 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

Program staff are committed to help students preparing for admission into the program. In addition to meeting the general entrance requirements for admission to Selkirk College, an applicant must meet the following School of Environment and Geomatics program requirements: Please note in the chart below, the new math requirements for students entering Grade 10 in the 2013/14 school year.

SECONDARY SCHOOL MATH REQUIREMENTS

Minimum Requirements

Principles of Math 11 with a grade of "C+" or better, or Applications of Math 11 with a grade of "B" or better.

Recommended Requirements

Principles of Math 11 with a grade of "C+" or better.

Math Requirements

Foundations 11 with a grade of "C+" or better.

HIGH SCHOOL GRADUATES

- Completion of senior secondary graduation (or equivalent) with the following courses or their equivalents.

MATURE STUDENTS

- Mature student entry is possible without secondary school completion but mature applicants must have BIOL 11 or 12 and ENGL 12, or equivalent courses with a "C+", and Principles of MATH 11 with a "C+".
- Applicants may be required to complete preparatory modules in mathematics, writing and computers, where identified by the school.

In individual cases, related work experience can be considered in the application process at discretion of the School Chair.

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.

For any questions related to prerequisites and support, please contact School Chair.

COMPUTER COMPETENCY

Computer competency is an important element of success in the program. It is strongly recommended that students have entry level experience with MS Word / MS Excel / and the internet prior to starting the program.

Careers

Graduates of the Integrated Environmental Planning Technology program will be immediately employable by government, industry, and environmental consulting.

Many program graduates go directly from Selkirk to employment in the environmental field. There are IEPT 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.

If you wish to visit the campus and tour the facilities or if you have any other questions, please do not hesitate to contact the Chair of the School of Environment and Geomatics.

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. Royal Roads and Thompson Rivers University offer a full two years of credit for an IEP diploma.

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.

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:

Sept-Dec	Jan-Apr	May-Aug
Study Term 1	Study Term 2	Co-op Ed Work Term
Study Term 3	Study Term 4	Co-op Ed Work Term
Co-op Ed Work Term	Study Term 5 University Bridging	

FOR MORE INFORMATION PLEASE CONTACT:

BRENDA SMITH
 Manager, Co-op Education and Employment Services
 301 Frank Beinder Way
 Castlegar, BC, V1N 4L3
 email: Brenda.Smith
 Tel: 250.365.1280
 Fax: 250.365.1218

Application Information

Download the Integrated Environmental Planning Application Package at <http://selkirk.ca/program/iep/application-information>

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.

Program Courses

ENVR 150 - **HYDROLOGY I**

This course is an introductory study of water in our environment including its properties, the natural processes which affect it, climate and weather, and practical experience in the collection and analyses 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 AND FIELD MEASUREMENTS**

This course covers 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 basics of Botany and Ecosystem Classification. Botany lectures will

focus on plant classification, botanical terms, plant morphology, and plant physiology. Topics include: plant cells, tissues, and organ structure and function, photosynthesis and respiration transpiration and translocation. During botany labs, students will learn to identify about 100 native plants commonly found in the West Kootenay Region of BC.

Ecology lectures will focus on ecosystem classification using the Biogeoclimatic Ecosystem Classification System (BEC) of BC. Other key topics include the study of climatic factors and climate change, disturbance and succession, and landscape 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

INTEGRATED ENVIRONMENTAL PLANNING

selkirk.ca/iep

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

During the spring of the 4th 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 IEP Program. The course fee changes yearly independent upon trip logistics.

IEP 250 - ENVIRONMENTAL PLANNING APPLICATIONS I

In this course, the first of a two-course sequence including IEP 251, small teams of students apply the knowledge and skills acquired previously and concurrently in other program courses to design and begin to implement a comprehensive, self-directed study to achieve a specified planning objective in a designated geographic area. Each team establishes study requirements, develops a complete study proposal and work plan, obtains and evaluates relevant existing information about the study area, collects and compiles field data needed to verify or update existing data or to describe additional environmental characteristics of the area, and prepares and submits a baseline data report.

IEP 251 - INTEGRATED 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

This course is a more in-depth study of the effects of water on our environment. Practical examples are presented for examination, data collection, analyses, and interpretation in several areas including: weather and climate, snowpack, limnology, groundwater, surface runoff and flooding, small hydropower and hydraulic modeling.

Pre-requisites: IEP 254.

IEP 260 - SYSTEMS ECOLOGY

This course is an introduction to the science of ecology, building on concepts and information introduced in first year ENVR 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. Labs will explore various methods of sampling, analysing, and reporting on the physical site factors, habitat, vegetation and wildlife components of these communities.

IEP 266 - APPLIED MICROBIOLOGY

This introductory applied environmental microbiology course covers basic microbiological theory and skills including safe lab practices; aseptic technique; preparation of media; isolation and growth of pure cultures; gram staining; microbial enumeration using pour plates, spread plates, membrane filtration and optical density; and identification of micro-organisms using biochemical tests.

IEP 270 - GIS APPLICATIONS I

Geographic Information Systems (GIS) provides the capability to effectively analyze spatial data to assist in the decision making process for those in government, industry and consulting. This course introduces the fundamental concepts and applications of GIS as relevant to environmental planning. Emphasis is placed on developing hands-on expertise with desktop GIS software (ArcView) for displaying and querying spatial data, manipulating tabular data, initiating queries, developing charts and producing map layouts.

IEP 271 - GIS APPLICATIONS II

This course explores advanced analysis techniques in Geographic Information Systems (GIS) relevant to environmental planning issues. Students build upon prior expertise with GIS software to examine applications related to terrain and suitability modeling. Designed as a project-based course, students apply their skills to real-world project management by completing the steps required to take a GIS project from initial proposal to final map production and report generation.

IEP 276 - ECOLOGICAL RESTORATION AND REMEDIATION

This course will cover applied ecological restoration and remediation techniques common in the environmental planning fields. Restoration project planning and implementation will follow techniques developed by the Society for Ecological Restoration (SER). Topics covered will include project scoping and plan development, field data collection, plant propagation techniques, project implementation in the field, routine and intensive monitoring, and report preparation. Learners can expect to be in the field every day and working on data collection and synthesis during the evenings. This is an intensive 32 hour course offered in a one-week time block in the spring semester.

IEP 277 - ENVIRONMENTAL PLANNING APPLICATIONS

This course will cover an environmental planning topic with a field focus. Learners will cover project scoping for environmental planning, stakeholder consultation, field data collection, research, and report preparation. This is an intensive 32 hour course offered in a one-week time block in the spring semester.

IEP 280 - 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.

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: 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

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

This course is a guided independent study of an environmental management topic suitable to the field of study. Learners are required to prepare a project proposal and data collection schedule in consultation with a faculty advisor. Research techniques using library and online resources are required as well as accurate data collection and synthesis. This course culminates with the submission of a technical report to current industry standards and presentation of the research results at the annual spring conference held late in the spring semester.

MATH 140 - CALCULUS I FOR SOCIAL SCIENCES

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, elementary differential equations and some applications.

Pre-requisites: Pre-calculus 12, Principles of MATH 12, MATH 60 or MATH 051 or equivalent with a grade of "C" or better, or written permission of the Instructor and School Chair.

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 290 - Resource Statistics I. Topics include linear regressions and correlation, inferential statistics, confidence intervals, hypothesis testing, goodness of fit and contingency tables.

Pre-requisites: Math 190

TWC 150 - INTRODUCTION TO TECHNICAL COMMUNICATIONS I

A review of basic English skills is undertaken in this course. Also included is an introduction to general principles in written technical communication and its application to renewable resource management. Classroom sessions focus on developing writing skills, academic research and documentation, the organization and interpretation of data, oral presentation skills, and job search techniques.

TWC 151 - INTRODUCTION TO TECHNICAL WRITING AND COMMUNICATIONS II

Introduction to general principles in written technical communication and oral presentation. Lectures focus upon research strategies, the formal report and technical style. Some writing in technical modes is required. Students are introduced to delivery techniques for oral presentations of technical data in renewable resource management and environmental planning.

Pre-requisites: TWC 150 and program continuation.

Contacts

KRISTA MANNLE
Admissions Officer
Phone: 250.365.7292 ext 21425
Direct: 250.365.1425
Email: kmannle@selkirk.ca

BRENDAN WILSON
School Chair
Phone: 250.365.7292 ext 21393
Direct: 250.365.1393
Fax: 250.365.1260
Email: bwilson@selkirk.ca

Integrated Worksite Health & Safety

selkirk.ca/program/integrated-worksite-health-safety

Course of Studies

Course	Name	Online	Credit
IWHS 500	An Introduction to Integrated Worksite Health and Safety	Online	
IWHS 501	Introduction to Nutrition Science for the Workplace	Online	
IWHS 502	An Introduction to Movement Science for Worksite Health and Safety	Online	

LENGTH OF STUDY:

Nine Months (3-modules)

ACCREDITATION:

Citation

CAMPUS:

Online

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

DELIA ROBERTS
Instructor, Biology, Workplace Training
Phone: 1.888.953.1133 ext 21388
Direct: 250.365.1388
Email: droberts@selkirk.ca

DAVID FELDMAN
School Chair, UAS, Instructor, Mathematics
Phone: 1.888.953.1133 ext 21331
Direct: 250.365.1331
Email: dfeldman@selkirk.ca

CARA-LEE MALANGE
Coordinator, Community Education and Workplace Training & Mir Centre for Peace
Phone: 250.365.7292 ext 21261
Direct: 250.365.1261
Email: cmalange@selkirk.ca

KRISTA MANNLE
Admissions Officer
Phone: 250.365.7292 ext 21425
Direct: 250.365.1425
Email: kmannle@selkirk.ca

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 particular courses that you are interested in using towards your custom-made Interdisciplinary Studies Diploma and contact a college counsellor or the School Chair who oversees those courses.

ACCREDITATION:

Diploma

CAMPUS:

Castlegar Campus

**FOR UNIVERSITY ARTS & SCIENCES
COURSE DESCRIPTIONS:**

see page 261

Course of Studies

SEMESTER 1

Course	Name		Credit
JEWL 101	Approaches in Metal: Introductory Fabrication	On Campus	4
JEWL 103	Colour and Texture	On Campus	2
JEWL 105	Hammer and Connect: Intermediate Fabrication Level I	On Campus	4
JEWL 107	Sparkle and Shine: Introduction to Gemsetting	On Campus	2
PPD 101	Drawing as a Basic Visual Communication	On Campus	3
PPD 103	Design as a Basic Visual Language	On Campus	3
PPD 104	Introduction to Digital Design Applications	On Campus	3
Total			21

SEMESTER 2

Course	Name		Credit
JEWL 102	Molten Metal: Introduction to Casting	On Campus	4
JEWL 104	Product Design and Creation for Jewelry	On Campus	2
JEWL 106	Explorations in Metal: Intermediate Fabrication Level II	On Campus	4
JEWL 108	Jewelry Design Process	On Campus	2
JEWL 110	Dynamic Metal Forming	On Campus	2
PPD 109	Professional Practice I	On Campus	1.5
PPD 110	Professional Practice II	On Campus	2
Total			17.5

SEMESTER 3

Course	Name		Credit
JEWL 112	Adding More Bling: Intermediate Gemsetting	On Campus	1.5
JEWL 113	One of a Kind: Advanced Fabrication	On Campus	3
JEWL 120	Self-Directed Studio I	On Campus	2
Total			6.5

LENGTH OF STUDY:

10 Months

ACCREDITATION:

Certificate

CAMPUS:

Victoria Street Campus, Nelson

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

Throughout the Jewelry Studio program, emphasis is placed on developing a high skill level of design and fabrication skills necessary to create jewelry. As familiarity with the tools and techniques is developed, students are encouraged to explore their own concepts as a means of artistic expression.

Admission Requirements

Admission to Kootenay Studio Arts programming (KSA) is by interview, online questionnaire and portfolio review.

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 using the Kootenay Studio Arts online form at <http://selkirk.ca/program/jewel/admission-requirements>

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. These applicants must mail their portfolios to the school and ensure that they are received one week before their scheduled interview date. 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

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.

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. Applicants should give special attention to the following guidelines when preparing their portfolios.

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 eight and a maximum of twenty-four pieces.
- Portfolios should be brought to the interview and only mailed if, because of distance, the applicant is unable to attend their interview in person.
- 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.
- If an applicant includes slides or photographs, each must include a list of the materials used, size of the piece, title and date.

SUBMIT YOUR PORTFOLIO IN ONE OF THE FOLLOWING FORMATS

- Attach photo's directly at the bottom of questionnaire.
- Hard copy
- Portable storage device
- CD or DVD (jpeg format)
- Online portfolio (Tumblr, Behance, Flickr) emailed

to: epotulicki@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.

Important Dates

Winter 2015

- Jan 5 - Winter term begins
- February 10 to 13 - Reading Week
- April 10 - Winter term ends
- April 13 to 17 - Critique week

SPRING 2015

- April 27 - Spring term starts
- June 19 - Spring term ends

*Regular programming starts in Fall

Application Information

Download the Jewelry Studio Application Package at selkirk.ca/program/jewel/application-information

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.

Program Courses

JEWEL 101 - APPROACHES IN METAL: INTRODUCTORY FABRICATION

In JEWEL 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.

JEWEL 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.

JEWEL 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.

JEWEL 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.

JEWEL 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 JEWEL 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.

JEWEL 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.

JEWELRY

selkirk.ca/jewelry

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 109 - PROFESSIONAL PRACTICE 1

This course provides information to assist the emerging craftsperson, or designer to develop a career as a professional craftsperson/designer selling their work in a commercial context. A variety of approaches will cover three broad areas of study: Management, business, and marketing.

PPD 110 - PROFESSIONAL PRACTICE II

This course is designed to augment the ideas introduced in Professional Practice I, by providing students with practical applications of business & marketing issues for an emerging craftsperson/designer.

Contacts

CAROL RIDGE
Enrolment Officer
Direct: 250.365.1324
Email: cridge@selkirk.ca

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

JASON TAYLOR
School Chair
Phone: 250.352.6601 ext 11305
Direct: 250.505.1305
Email: jtaylor@selkirk.ca

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

Languages – French/Spanish

selkirk.ca/program/languages-french-spanish

Program Summary

Learning to understand and speak more than one language is considered an important part of a broad liberal arts and sciences education. In fact many universities encourage or require proficiency in a foreign language for students seeking degrees.

PROGRAM COURSES

Selkirk College offers the following French and Spanish language courses:

- FREN 102 - Beginner's French I
- FREN 103 - Beginner's French II
- FREN 112 - First-Year French I
- FREN 113 - First-Year French II
- FREN 122 - Contemporary French Language and Literature I
- FREN 123 - Contemporary French Language and Literature II
- SPAN 102 - Beginner's Spanish I
- SPAN 103 - Beginner's Spanish II
- SPAN 112 - First-Year Spanish I
- SPAN 113 - First-Year Spanish II
- SPAN 122 - Contemporary Spanish Language and Literature I
- 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:

- Social Work
- Engineering
- Interpreting
- Journalism
- Medicine
- Travel Industry
- Music and Theater
- Education

Contacts

UNIVERSITY ARTS & SCIENCES ADMISSIONS

Admissions Officer (Castlegar)
Phone: 1.888.953.1133 ext 21233
Direct: 250.365.1233
Email: rwalker@selkirk.ca

UNIVERSITY ARTS & SCIENCES

Program Contact
Phone: 1.888.953.1133 ext 21205
Direct: 250.365.1205
Email: UAS@selkirk.ca

DAVID FELDMAN

School Chair, UAS, Instructor, Mathematics
Phone: 1.888.953.1133 ext 21331
Direct: 250.365.1331
Email: dfeldman@selkirk.ca

LENGTH OF STUDY:

Up to One Year

ACCREDITATION:

General Associate of Arts and Transfer to BA

CAMPUS:

Castlegar Campus

**FOR UNIVERSITY ARTS & SCIENCES
COURSE DESCRIPTIONS:**

see page 261

Liberal Arts & Sciences Diploma

selkirk.ca/program/liberal-arts-sciences-diploma

Program Summary

Choose from over 100 fully-transferable, university-level arts and sciences courses 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 Sciences diploma providing you have a GPA of 2.00 or higher. Check the admission requirements for full details.

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
- Humanities
- Mathematics
- Sociology
- Statistics
- Women's studies

Browse through our course list then sit down with an academic counsellor and enrol in your favourite courses today. If you don't feel quite ready, you can also take our College Preparatory courses if you need to upgrade first.

Contacts

UNIVERSITY ARTS & SCIENCES ADMISSIONS

Admissions Officer (Castlegar)
Phone: 1.888.953.1133 ext 21233
Direct: 250.365.1233
Email: rwalker@selkirk.ca

UNIVERSITY ARTS & SCIENCES

Program Contact
Phone: 1.888.953.1133 ext 21205
Direct: 250.365.1205
Email: UAS@selkirk.ca

DAVID FELDMAN

School Chair, UAS, Instructor, Mathematics
Phone: 1.888.953.1133 ext 21331
Direct: 250.365.1331
Email: dfeldman@selkirk.ca

LENGTH OF STUDY:

Two Years

ACCREDITATION:

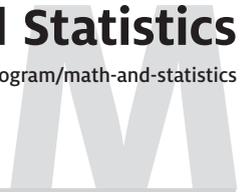
Diploma

CAMPUS:

Castlegar Campus

**FOR UNIVERSITY ARTS & SCIENCES
COURSE DESCRIPTIONS:**

see page 261



Program Summary

Selkirk College offers a great start to an undergraduate degree in mathematics or statistics.

Starting with your first year here at Selkirk, you can go on to most universities and continue into the second year of a mathematics degree. If math isn't your passion, but you need it for another program or degree you are interested, we offer a variety of courses for non-math types as well.

INTERESTED IN STUDYING MATH?

In general you should study math if you want to develop new abilities to model and analyse the world in a quantitative and rigorous way. Perhaps you want to master one or two courses to prepare you to work or study in a field which requires some quantitative analysis.

If you enjoy math and like to think carefully and rigorously, enjoy the challenge of solving difficult problems and plumbing the depths of deep intellectual concepts and are a creative problem solver who doesn't necessarily need to be following an example, you may want to consider a degree or even a career in mathematics.

PROGRAM OUTCOMES

Our first year program in math will prepare you for entry into a second year math program at most degree granting institutions.

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

If you like math, you might also like Physics, Chemistry, Computer Science.

Contacts

UNIVERSITY ARTS & SCIENCES ADMISSIONS

Admissions Officer (Castlegar)
Phone: 1.888.953.1133 ext 21233
Direct: 250.365.1233
Email: rwalker@selkirk.ca

UNIVERSITY ARTS & SCIENCES

Program Contact
Phone: 1.888.953.1133 ext 21205
Direct: 250.365.1205
Email: UAS@selkirk.ca

DAVID FELDMAN

School Chair, UAS, Instructor, Mathematics
Phone: 1.888.953.1133 ext 21331
Direct: 250.365.1331
Email: dfeldman@selkirk.ca

LENGTH OF STUDY:

Up to One Year

ACCREDITATION:

General Assoc. of Science & Transfer to BSc

CAMPUS:

Castlegar Campus

**FOR UNIVERSITY ARTS & SCIENCES
COURSE DESCRIPTIONS:**

see page 261

Mental Health & Addictions Associate Certificate

selkirk.ca/mental-health-addictions

Course of Studies

SEMESTER 1

Course	Name		Credit
ADD 184	Introduction to Addiction	On Campus	3
Total			3

SEMESTER 2

Course	Name		Credit
HSER 257	Mental Health Issues: Practical Responses	Online	3
Total			3

SEMESTER 3

Course	Name		Credit
HSER 600	Motivational Interviewing - Brief Interventions and Support Strategies Workshop	On Campus	0
Total			0

LENGTH OF STUDY:

Three Terms

ACCREDITATION:

Associate Certificate

CAMPUS:

Castlegar Campus

OR

NO POST-SECONDARY OR RELATED FIELD EDUCATION

- Five years of working 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

Program Summary

If you are already studying or working in the human service or health care fields, you can earn an advanced certificate in Mental Health and Addictions to take your career to a new level. Focused on the specific needs of clients coping simultaneously with mental health and substance use challenges, you'll be versed 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

Upon graduation from our 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 Centres
- 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

You can receive transfer credit for the theory courses from the University of Victoria and Thompson Rivers University.

Admission Requirements

DEGREE OR DIPLOMA IN HUMAN SERVICES OR A RELATED FIELD

- Evidence of graduation (diploma or transcripts)
- 2 letters of reference if your transcripts are not from Selkirk College

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
- A two page, double spaced letter of application, outlining your interest in this certificate and demonstrating your writing skills

Important Dates

WINTER 2015

- January 5 – Winter semester instruction begins
- April 10 – Winter semester instruction ends
- April 13 to 21 – Winter semester exams

SPRING 2015

- Motivational Interviewing Workshop - June 2015 (dates to be determined)

Careers

Selkirk College Human Services Department is offering an Associate Certificate that is designed for those already in the field who wish to focus their practice in the area of Mental Health and Addictions.

Application Information

Download the Mental Health and Addictions Associate Certificate Application Package at <http://selkirk.ca/program/mental-health-addictions/application-information>

Metal Fabricator Foundation

selkirk.ca/program/metal-fabricator-foundation

LENGTH OF STUDY:

23 Weeks

ACCREDITATION:

Technical Training

CAMPUS:

Silver King Campus, Nelson

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.

ACE IT HIGH SCHOOL TRANSITION PROGRAMS

This program qualifies for high school transitions. A program that is designed to help secondary school students get a head-start on their trades careers, while earning graduation credit, the BC Industry Training Authority (ITA) Accelerated Credit Enrolment in Industry Training (ACE IT) program is a perfect way to learn more about the industry.

Speak with your high school guidance counsellor to learn more or get in touch with our ITT Admin Assistant by email or phone: 1.866.301.6601 ext. 13221.

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 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).

- English 10 with a “C” or better

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.

Important Dates

2015

- February 2 - Winter Intake Begins
- July 9 - Winter Intake Ends

2016

- February 1 - Winter Intake Begins
- July 8 - Winter Intake Ends

Contacts

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

BRENDA WIEST

Admissions Officer
Phone: 250.352.6601 ext 13204
Direct: 250.354.3204
Email: bwiest@selkirk.ca

ROB SCHWARZER

School Chair
Phone: 250.352.6601
Fax: 250.352.3180
Email: rschwarzer@selkirk.ca

Course of Studies

Course	Name		Credit
MILMAC 150	Introductory Millwright/Machinist	On Campus	
MILMAC 160	Intermediate Millwright/Machinist	On Campus	
MILMAC 170	Advanced Millwright/Machinist	On Campus	

LENGTH OF STUDY:

Nine Months

ACCREDITATION:

Certificate

CAMPUS:

Silver King Campus, Nelson

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.

ACE IT HIGH SCHOOL TRANSITION PROGRAMS

This program qualifies for high school transitions. A program that is designed to help secondary school students get a head-start on their trades careers, while earning graduation credit, the BC Industry Training Authority (ITA) Accelerated Credit Enrolment in Industry Training (ACE IT) program is a perfect way to learn more about the industry.

Speak with your high school guidance counsellor to learn more. Get in touch with our ITT Admin Assistant by email or phone: 1.866.301.6601 ext 13221.

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 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).
- 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.

Important Dates

2015

- January 5 - Program continues
- May 22 - Program ends
- February 2 - ACE IT Program begins
- August 28 - ACE IT Program ends
- September 8 - Program begins
- December 17 - Winter break

2016

- January 4 - Program continues
- May 28 - Program ends
- February 1 - ACE IT Program begins
- August 26 - ACE IT Program ends

Careers

Our Graduates Find Employment in Industrial enterprises, Manufacturing plants, Mills, Mines and Resource development firms.

Contacts

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

BRENDA WIEST

Admissions Officer
Phone: 250.352.6601 ext 13204
Direct: 250.354.3204
Email: bwiest@selkirk.ca

DAN OBRADOVIC

School Chair
Phone: 250.352.6601 ext
Direct: 250.352.6601
Fax: 250.352.3180
Email: rschwarzer@selkirk.ca

Music & Technology

selkirk.ca/music

Course of Studies – Core

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.

Year 1

SEMESTER 1

Course	Name		Credit
MUSC 150	Private Lesson I	On Campus	1
MUSC 154	Basic Keyboard I	On Campus	1
MUSC 158	Ensemble I	On Campus	2
MUSC 160	Computer Applications to Music I	On Campus	3
MUSC 162	Instrumental Lab I	On Campus	1
MUSC 165	History of Jazz	On Campus	2
MUSC 170	Arranging I	On Campus	1.5
MUSC 174	Contemporary Harmony I	On Campus	2
MUSC 180	Ear Training I	On Campus	3
MUSC 100	MUSIC FORUM	On Campus	1
Total			17.5

SEMESTER 2

Course	Name		Credit
MUSC 151	Private Lesson II	On Campus	1
MUSC 155	Basic Keyboard II	On Campus	1
MUSC 159	Ensemble II	On Campus	2
MUSC 161	Computer Applications to Music II	On Campus	3
MUSC 163	Instrumental Lab II	On Campus	1
MUSC 164	History of Rock	On Campus	2
MUSC 171	Arranging II	On Campus	1.5
MUSC 175	Contemporary Harmony II	On Campus	2
MUSC 181	Ear Training II	On Campus	3
MUSC 100	MUSIC FORUM	On Campus	1
Total			17.5

LENGTH OF STUDY:

Two Years

ACCREDITATION:

Diploma

CAMPUS:

Tenth Street Campus, Nelson

Program Summary

The Selkirk College Music Program has been preparing students for the commercial entertainment industry for over 25 years.

Using a diverse cross section of musical styles, Selkirk allows students to explore the best that each genre has to offer from jazz to rock, classical and world music. Our teaching methods are based on those of the prestigious Berklee School of Music.

DEVELOP YOUR SKILLS

- Performance
- Songwriting
- Audio Recording
- Film Scoring
- Improvisation

Bring your passion for creating and performing music and our world-class faculty of working professionals will take you to the next level.

PROGRAM OVERVIEW

The Contemporary 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 course of study is comprised of an initial core year after which students may select one of five program majors: Performance, Production, Composition, Songwriting and Directed Studies.

The curriculum includes individual instruction on guitar, bass, drumset, saxophone, violin, vocals and keyboards, as well as a solid grounding in music theory and ear training. Individual and group instruction and practice is offered throughout both years of the program. Jazz, pop and rock are the primary instructional styles.

PROGRAMS OF STUDY

- Core (Year 1)
- Composition (Year 2)
- Directed Studies (Year 2)
- General Music (Year 2)
- Music Performance (Year 2)
- Music Production (Year 2)
- Song Writing Major (Year 2)

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/interview 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.

SPECIAL EXCEPTIONS

- Applicants who perform an exceptional audition but who do not meet the theory and ear training standard will be required to attend a two-week theory preparation course in August.
- This class will provide basic level entrance requirements for the applicant.
- The applicant must have a minimum final grade of 75% in both the ear training and the theory sections to be accepted into the Music Program for September.
- Applicants who do not meet the minimum standard in matching pitch will not be accepted into the Music Program.

Important Dates

2015

- Jan 5 - Winter term begins
- February 9 to 12 - Reading Week
- April 10 - Winter term ends
- April 17 - Winter examinations end

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
- Samletank 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
- Propellerheads 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 out board 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, Samletank 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.

Application Information

Download the Contemporary Music & Technology Application Package at <http://selkirk.ca/program/music/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.

Program Courses

ELECTIVE 006 - MUSIC ELECTIVE

Choose 1 of the music electives listed in the elective section

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 of Studies – Majors

Composition Major (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

Course	Name		Credit
MUSC 100	MUSIC FORUM	On Campus	1
MUSC 252	Private Lesson III A	On Campus	0.5
MUSC 264	Instrumental Lab III	On Campus	1
MUSC 268	Songwriting I	On Campus	2
MUSC 274	Contemporary Harmony III	On Campus	2
MUSC 280	Ear Training III	On Campus	2
MUSC 282	Film Scoring I	On Campus	2
MUSC 284	Composition I	On Campus	2
TWC 266	Introduction to Technical Writing and Communications	On Campus	2
ELECTIVE 006	Music Elective	On Campus	2
ELECTIVE 006	Music Elective	On Campus	2
Total			18.5

ELECTIVES

Course	Name		Credit
MUSC 258	Ensemble III	On Campus	2
MUSC 288	Advanced MIDI Applications I	On Campus	2
MUSC 162	Instrumental Lab I	On Campus	1
Total			5

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.

Pre-requisites: MUSC 150.

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.

MUSC 159 - ENSEMBLE II

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.

Pre-requisites: MUSC 158.

MUSC 160 - COMPUTER APPLICATIONS TO MUSIC I

This course is an introduction to music technology and the application of musical skills to recording music on to a computer. Topics include: MIDI sequencing, notation, and synthesis techniques. Fundamentals of mixing board theory are applied to routing audio. The course uses Pro Tools LE software, the N5, and other relevant applications.

MUSC 161 - COMPUTER APPLICATIONS TO MUSIC II

A continuation of the material covered in term 1 with special emphasis on MIDI Compositional Techniques as well as mixing, effects, system exclusive, notation and synchronization.

Pre-requisites: MUSC 160.

MUSC 162 - INSTRUMENTAL LAB I

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.

MUSC 163 - INSTRUMENTAL LAB II

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.

Pre-requisites: MUSC 162.

MUSC 164 - 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.

Composition Major (Year 2) cont.**SEMESTER 4**

Course	Name		Credit
MUSC 100	MUSIC FORUM	On Campus	1
MUSC 253	Private Lesson IV A	On Campus	0.5
MUSC 265	Instrumental Lab IV	On Campus	1
MUSC 269	Songwriting II	On Campus	2
MUSC 275	Contemporary Harmony IV	On Campus	2
MUSC 281	Ear Training IV	On Campus	2
MUSC 283	Film Scoring II	On Campus	2
MUSC 285	Composition II	On Campus	2
MUSC 290	The Business of Music	On Campus	2
ELECTIVE 006	Music Elective	On Campus	2
ELECTIVE 006	Music Elective	On Campus	2
Total			18.5

ELECTIVES

Course	Name		Credit
MUSC 259	Ensemble IV	On Campus	2
MUSC 262	Survey of Recording Techniques	On Campus	2
MUSC 289	Advanced MIDI Applications II	On Campus	2
MUSC 162	Instrumental Lab I	On Campus	1
Total			7

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 filmscoring demo, rehearsing, performing and recording with your own band.

SEMESTER 3

Course	Name		Credit
MUSC 250	Directed Studies/Mentorship	On Campus	0.5
MUSC 252	Private Lesson III A	On Campus	0.5
MUSC 258	Ensemble III	On Campus	2
MUSC 264	Instrumental Lab III	On Campus	1
MUSC 274	Contemporary Harmony III	On Campus	2
MUSC 280	Ear Training III	On Campus	2
TWC 266	Introduction to Technical Writing and Communications	On Campus	2
ELECTIVE 006	Music Elective	On Campus	2
ELECTIVE 006	Music Elective	On Campus	2
ELECTIVE 006	Music Elective	On Campus	2
Total			16

Directed Studies (Year 2)

ELECTIVES

Course	Name		Credit
MUSC 268	Songwriting I	On Campus	2
MUSC 282	Film Scoring I	On Campus	2
MUSC 284	Composition I	On Campus	2
MUSC 288	Advanced MIDI Applications I	On Campus	2
MUSC 162	Instrumental Lab I	On Campus	1
Total			9

SEMESTER 4

Course	Name		Credit
MUSC 251	Directed Studies/Mentorship	On Campus	0.5
MUSC 253	Private Lesson IV A	On Campus	0.5
MUSC 259	Ensemble IV	On Campus	2
MUSC 265	Instrumental Lab IV	On Campus	1
MUSC 275	Contemporary Harmony IV	On Campus	2
MUSC 281	Ear Training IV	On Campus	2
MUSC 290	The Business of Music	On Campus	2
ELECTIVE 006	Music Elective	On Campus	2
ELECTIVE 006	Music Elective	On Campus	2
ELECTIVE 006	Music Elective	On Campus	2
Total			16

SEMESTER 4

Course	Name		Credit
MUSC 262	Survey of Recording Techniques	On Campus	2
MUSC 269	Songwriting II	On Campus	2
MUSC 283	Film Scoring II	On Campus	2
MUSC 285	Composition II	On Campus	2
MUSC 289	Advanced MIDI Applications II	On Campus	2
MUSC 162	Instrumental Lab I	On Campus	1
Total			11

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 soli voicings, quartal voicings, and upper structure triads.

Pre-requisites: MUSC 170.

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.

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 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.*

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

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

Course	Name		Credit
MUSC 100	MUSIC FORUM	On Campus	1
MUSC 252	Private Lesson III A	On Campus	0.5
MUSC 264	Instrumental Lab III	On Campus	1
MUSC 274	Contemporary Harmony III	On Campus	2
MUSC 280	Ear Training III	On Campus	2
TWC 266	Introduction to Technical Writing and Communications	On Campus	2
ELECTIVE 006	Music Elective	On Campus	2
ELECTIVE 006	Music Elective	On Campus	2
ELECTIVE 006	Music Elective	On Campus	2
ELECTIVE 006	Music Elective	On Campus	2
Total			16.5

ELECTIVES

Course	Name		Credit
ENGL 110	College Composition	On Campus	3
MUSC 258	Ensemble III	On Campus	2
MUSC 268	Songwriting I	On Campus	2
MUSC 282	Film Scoring I	On Campus	2
MUSC 288	Advanced MIDI Applications I	On Campus	2
Total			11

SEMESTER 4

Course	Name		Credit
MUSC 253	Private Lesson IV A	On Campus	0.5
MUSC 265	Instrumental Lab IV	On Campus	1
MUSC 275	Contemporary Harmony IV	On Campus	2
MUSC 281	Ear Training IV	On Campus	2
MUSC 290	The Business of Music	On Campus	2
MUSC 100	MUSIC FORUM	On Campus	1
ELECTIVE 006	Music Elective	On Campus	2
ELECTIVE 006	Music Elective	On Campus	2
ELECTIVE 006	Music Elective	On Campus	2
ELECTIVE 006	Music Elective	On Campus	2
Total			16.5

General Music (Year 2) cont.

ELECTIVES

Course	Name		Credit
MUSC 259	Ensemble IV	On Campus	2
MUSC 269	Songwriting II	On Campus	2
MUSC 283	Film Scoring II	On Campus	2
MUSC 289	Advanced MIDI Applications II	On Campus	2
ENGL 110	College Composition	On Campus	3
Total			11

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.

SEMESTER 3

Course	Name		Credit
MUSC 100	MUSIC FORUM	On Campus	1
MUSC 250	Private Lesson III	On Campus	1
MUSC 256	Contemporary Music Analysis I	On Campus	2
MUSC 258	Preceptorship I	On Campus	2
MUSC 264	Instrumental Lab III	On Campus	1
MUSC 272	Improvisation I	On Campus	2
MUSC 274	Contemporary Harmony III	On Campus	2
MUSC 280	Ear Training III	On Campus	2
TWC 266	Introduction to Technical Writing and Communications	On Campus	2
ELECTIVE 006	Music Elective	On Campus	2
Total			17

ELECTIVES

Course	Name		Credit
MUSC 268	Songwriting I	On Campus	2
MUSC 282	Film Scoring I	On Campus	2
MUSC 288	Advanced MIDI Applications I	On Campus	2
MUSC 162	Instrumental Lab I	On Campus	1
Total			7

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 showcase will be required from all students majoring in Music Performance, Music Songwriting and Composition..

Pre-requisites: MUSC 159.

MUSC 258 - PRECEPTORSHIP I

This course is designed to immerse each student in a professional performing environment where they will receive feedback not only from their instructor, but also from the 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: Must be a full-time Performance Major.

MUSC 259 - ENSEMBLE IV

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 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 258Q.

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 270/288.

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.

Performance (Year 2) cont.

SEMESTER 4

Course	Name		Credit
MUSC 251	Private Lesson IV	On Campus	1
MUSC 257	Contemporary Music Analysis II	On Campus	2
MUSC 259	Preceptorship II	On Campus	2
MUSC 265	Instrumental Lab IV	On Campus	1
MUSC 273	Advanced Improvisation II	On Campus	2
MUSC 275	Contemporary Harmony IV	On Campus	2
MUSC 281	Ear Training IV	On Campus	2
MUSC 290	The Business of Music	On Campus	2
MUSC 100	MUSIC FORUM	On Campus	1
ELECTIVE 006	Music Elective	On Campus	2
Total			17

ELECTIVES

Course	Name		Credit
MUSC 262	Survey of Recording Techniques	On Campus	2
MUSC 269	Songwriting II	On Campus	2
MUSC 283	Film Scoring II	On Campus	2
MUSC 289	Advanced MIDI Applications II	On Campus	2
MUSC 162	Instrumental Lab I	On Campus	1
Total			9

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

Course	Name		Credit
MUSC 252	Private Lesson III A	On Campus	0.5
MUSC 100	MUSIC FORUM	On Campus	1
MUSC 258	Ensemble III	On Campus	2
MUSC 260	Mixdown and Editing	On Campus	3.5
MUSC 264	Instrumental Lab III	On Campus	1
MUSC 270	Recording Techniques I	On Campus	3.5
MUSC 280	Ear Training III	On Campus	2
MUSC 288	Advanced MIDI Applications I	On Campus	2
TWC 266	Introduction to Technical Writing and Communications	On Campus	2
ELECTIVE 006	Music Elective	On Campus	2
Total			19.5

Production (Year 2) cont.

ELECTIVES

Course	Name		Credit
MUSC 268	Songwriting I	On Campus	2
MUSC 274	Contemporary Harmony III	On Campus	2
MUSC 282	Film Scoring I	On Campus	2
Total			6

SEMESTER 4

Course	Name		Credit
MUSC 253	Private Lesson IV A	On Campus	0.5
MUSC 259	Ensemble IV	On Campus	2
MUSC 261	Mixdown And Editing II	On Campus	3.5
MUSC 265	Instrumental Lab IV	On Campus	1
MUSC 271	Recording Techniques II	On Campus	3.5
MUSC 281	Ear Training IV	On Campus	2
MUSC 289	Advanced MIDI Applications II	On Campus	2
MUSC 290	The Business of Music	On Campus	2
MUSC 100	MUSIC FORUM	On Campus	1
ELECTIVE 006	Music Elective	On Campus	2
Total			19.5

ELECTIVES

Course	Name		Credit
MUSC 269	Songwriting II	On Campus	2
MUSC 275	Contemporary Harmony IV	On Campus	2
MUSC 283	Film Scoring II	On Campus	2
Total			6

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, rhythmic 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 rhythmic 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 arpeggio 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.

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

Course	Name		Credit
MUSC 100	MUSIC FORUM	On Campus	1
MUSC 250	Private Lesson III	On Campus	1
MUSC 256	Contemporary Music Analysis I	On Campus	2
MUSC 258	Preceptorship I	On Campus	2
MUSC 264	Instrumental Lab III	On Campus	1
MUSC 268	Songwriting I	On Campus	2
MUSC 274	Contemporary Harmony III	On Campus	2
MUSC 280	Ear Training III	On Campus	2
TWC 266	Introduction to Technical Writing and Communications	On Campus	2
ELECTIVE 006	Music Elective	On Campus	2
Total			17

ELECTIVES

Course	Name		Credit
MUSC 282	Film Scoring I	On Campus	2
MUSC 288	Advanced MIDI Applications I	On Campus	2
MUSC 162	Instrumental Lab I	On Campus	1
Total			5

SEMESTER 4

Course	Name		Credit
MUSC 100	MUSIC FORUM	On Campus	1
MUSC 251	Private Lesson IV	On Campus	1
MUSC 257	Contemporary Music Analysis II	On Campus	2
MUSC 259	Preceptorship II	On Campus	2
MUSC 265	Instrumental Lab IV	On Campus	1
MUSC 269	Songwriting II	On Campus	2
MUSC 275	Contemporary Harmony IV	On Campus	2
MUSC 281	Ear Training IV	On Campus	2
MUSC 290	The Business of Music	On Campus	2
ELECTIVE 006	Music Elective	On Campus	2
Total			17

ELECTIVES

Course	Name		Credit
MUSC 162	Instrumental Lab I	On Campus	1
MUSC 262	Survey of Recording Techniques	On Campus	2
MUSC 283	Film Scoring II	On Campus	2
MUSC 289	Advanced MIDI Applications II	On Campus	2
Total			7

MUSIC & TECHNOLOGY

selkirk.ca/music

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 I 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 ProTools 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 ProTools 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.

Contacts

CAROL RIDGE
Enrolment Officer
Direct: 250.365.1324
Email: cridge@selkirk.ca

SUSAN HILL
Music Department Administrative Assistant
Phone: 250.352.6601 ext 11357
Direct: 250.505.1357
Email: shill@selkirk.ca

DON MACDONALD
Instructor, Violin, Composition, Filmmaking,
Improvisation, Ear Training, Computer Applications
Phone: 250.352.6601 ext 11362
Direct: 250.505.1362
Email: dmaacdonald@selkirk.ca

DARREN MAHE
Program Coordinator, Guitar, History of Rock,
Harmony
Phone: 250.352.6601 ext 11364
Direct: 250.505.1364
Email: dmahe@selkirk.ca

JASON TAYLOR
School Chair
Phone: 250.352.6601 ext 11305
Direct: 250.505.1305
Email: jtaylor@selkirk.ca

Course of Studies

Year 1

SEMESTER 1

Course	Name		Credit
BIOL 164	Human Anatomy and Physiology I	On Campus	4
ENGL 110	College Composition	On Campus	3
NURS 112	Professional Practice I: Intro to Profession of Nursing	On Campus	3
NURS 116	Health and Healing I: Living Health	On Campus	6
NURS 117	Relational Practice I: Self and Others	On Campus	3
NURS 119	Nursing Practice I: Intro to Nursing Practice	On Campus	3
Total			22

SEMESTER 2

Course	Name		Credit
BIOL 165	Human Anatomy and Physiology II	On Campus	4
NURS 122	Professional Practice II: Intro to Discipline of Nursing	On Campus	3
NURS 126	Health and Healing II: Health Indicators	On Campus	6
NURS 129	Nursing Practice II: Coming to Know the Client	Practicum	4
NURS 130	Consolidated Practice Experience I	Practicum	5
ELECTIVE 001	3 Credit Elective	On Campus	3
Total			25

Year 2

This is the 2nd-Year of Nursing at Castlegar.

SEMESTER 3

Course	Name		Credit
AHSC 218	Health Sciences III	On Campus	3
NURS 216	Health & Healing III: Health Challenges/Healing Initiatives	On Campus	6
NURS 217	Relational Practice II: Creating Health - Promoting Relationships	On Campus	3
NURS 219	Nursing Practice III: Promoting Health and Healing	Practicum	7
Total			19

SEMESTER 4

Course	Name		Credit
AHSC 228	Health Sciences IV	On Campus	3
NURS 222	Professional Practice III: Nursing Ethics	On Campus	3
NURS 226	Health & Healing IV: Health Challenges/Healing Initiatives	On Campus	6
NURS 229	Promoting Health and Healing	Practicum	7
NURS 230	Consolidated Practice Experience II (Spring, 6 weeks)	Practicum	6
Total			25

LENGTH OF STUDY:

Four Years

ACCREDITATION:

Baccalaureate Degree

CAMPUS:

Castlegar Campus

Program Summary

With all four years of classes held at Selkirk College, you'll get to study in one of BC's most beautiful regions and graduate with a University of Victoria Bachelor of Science in Nursing (BSN) degree. Our location supports you to live in a community where the cost of living is lower than most urban centres. You will experience small class sizes, simulation technology, a variety of rural practice placements, and may have international learning opportunities. Our program is nationally accredited by the College of Registered Nurses in BC (CRNBC).

DEFINE YOUR CAREER

According to a 2009 study by the Canadian Nurses Association, Canada will experience a shortage of almost 60,000 nurses by 2022. Nursing careers are diverse and include practice, education, administration, and research.

After graduation, you'll be prepared for entry level practice in a variety of settings and eligible for post-basic nursing specialty programs including

- Medical / Surgical
- Critical Care
- Gerontology
- Maternal Child Health
- Mental Health
- Rural and Remote
- Community Health

CONSIDER NURSING IF YOU'RE

- Caring and compassionate
- A creative and critical thinker
- Professional in demeanor and behavior
- Able to manage time, stress and uncertainty
- Committed to learning
- Comfortable with new technology

NURSING

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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

Course	Name		Credit
NURS 316	Complex Health Challenges	On Campus	6
NURS 317	Relational Practice	On Campus	3
NURS 319	Nursing Practice V: Promoting Health & Healing	On Campus	7
ELECTIVE 001	3 Credit Elective	On Campus	3
Total			19

SEMESTER 6

Course	Name		Credit
NURS 341	Professional Practice IV: Nursing Inquiry	On Campus	1.5
NURS 342	Global Health Issues	On Campus	1.5
NURS 350	Health & Healing VII: Promoting Community and Societal Health	On Campus	1.5
NURS 351	Nursing Practice VI: Promoting Health of Communities & Society	Practicum	4.5
NURS 370	Consolidated Practice Experience III (Spring, 6 weeks)	Practicum	4.5
NURS 470	Consolidated Practice Experience IV	Practicum	4.5
ELECTIVE 003	3 Credit Course	On Campus	3
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

Course	Name		Credit
NURS 360	Professional Practice VI: Nursing Research	On Campus	1.5
NURS 430	Professional Practice V: Leadership in Nursing	On Campus	1.5
NURS 431	Nursing Practice VII: Engaging in Leadership	Practicum	1.5
ELECTIVE 004	Nursing Elective	On Campus	1.5
Total			6

SEMESTER 8

Course	Name		Credit
NURS 475	Consolidated Practice Experience V (6 weeks)	Practicum	4.5
NURS 491	Nursing Practice VIII (6 weeks)	Practicum	4.5
Total			9

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 partnership 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 and fees, nursing students can expect to pay approximately \$350 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 mandatory.

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 the beginning of Year 1 Consolidated Practice Experience 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.

Admission Requirements

ACADEMIC:

BC Secondary school graduation or equivalent with the following courses and minimum grades:

- English 12 - B
- Biology 12 - B
- Chemistry 11 - C+
- Math: Foundations 12 or Pre-Calculus 11 - C+

Note:

- a minimum "C+" grade in a higher level high school or university transfer course in the same subject can be used in lieu of each course above; courses selected may qualify as program requirements (e.g. English 110: College Composition)
- applicants who obtained the above requirements more than five years ago will be required to provide evidence of recent study. This will consist of one course in academic upgrading or university transfer in one of the above subjects
- applicants enrolled in prerequisite and/or upgrading courses may be offered conditional acceptance

NON-ACADEMIC:

- Criminal Record Check (BC Ministry of Justice)
- Completion of immunizations as required by Health Care Workers in BC
- CPR (Level C or HCP)

BSN Application Package

Fully qualified applicants are accepted in the order in which their application files are completed. 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.

Important Dates

WINTER 2015

- January 5 – Winter semester instruction begins
- April 10 – Winter semester instruction ends
- April 13 to 21 – Winter semester exams

SPRING 2015

- April 27 - Consolidated Practice Experience (CPE) begins for Years 1, 2
- May 5 - Consolidated Practice Experience (CPE) begins for Year 3

If there is a discrepancy in calendar dates between the University of Victoria and Selkirk College, the Selkirk College calendar will be considered correct.

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.

Application Information

Download the BSN Application Package, the BSN Letter of Reference Form and the BSN Questionnaire Form at <http://selkirk.ca/program/nursing/application-information>

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).

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

The major emphasis of this course builds on concepts related to human pathophysiology. This course will examine the pathogenesis of health challenges across the life span including pharmacology, microbiology, diagnostics, epidemiology, genetics, immunology and nutrition. Topics will be closely coordinated with practice, nursing learning centre and the health courses.

Pre-requisites: AHSC 218-3.

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 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 LPI level 4 or written permission of the Instructor and School Chair.

NURSING

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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 122 - PROFESSIONAL PRACTICE II: INTRO TO DISCIPLINE OF NURSING

This course is an introduction to the discipline of nursing. Participants explore the historical development of nursing knowledge and theory as well as contemporary understandings of nursing as a discipline and the body of knowledge that defines it. Relationships between practice, theory, and research are explored.

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 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. Travel requirement.

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 316 - COMPLEX HEALTH CHALLENGES

This course builds on Health and Healing I and II and Health Sciences III and IV and provides opportunities for participants to build on their nursing knowledge and understanding of health and healing in relation to complex episodic and chronic health challenges. This advanced course will focus on current topics and emerging knowledge related to a variety of health care contexts.

Pre-requisites: Promotion to Study Semester 5.

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

(University of Victoria at Selkirk College). In this course, various modes of nursing inquiry are addressed. Relationships between practice, theory, and research are explored. Past and present contributions to nursing knowledge are discussed.

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

(The 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

selkirk.ca/nursing

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

(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.

Contacts

RACHEL WALKER
Admissions Officer
Phone: 1.888.953.1133 ext 21233
Direct: 250.365.1233
Email: rwalker@selkirk.ca

TERESA PETRICK
School Chair
Phone: 250.365.7292 ext 21442
Direct: 250.365.1442
Email: tpetrick@selkirk.ca

Course of Studies

Course	Name		Credit
NUCL 146	Hospital Orientation	Online	2
NUCL 152	Patient Chart Records	Online	2.5
NUCL 154	Admissions, Discharges and Transfers	Online	2.5
NUCL 156	Drug Nomenclature	Online	3
NUCL 162	Medication Orders	Online	2
NUCL 164	Laboratory Orders I	Online	2
NUCL 166	Laboratory Orders II	Online	2
NUCL 168	Diagnostic Orders	Online	2
NUCL 170	Medical / Surgical Orders	Online	2
NUCL 180	practicum	Practicum	4
Total			24

LENGTH OF STUDY:

Eight Months Online

ACCREDITATION:

Certificate

CAMPUS:

Online

For an Application to be considered complete, Admissions must be provided with a completed application form and documentation of the following:

- 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 are available through Selkirk by distance education. If you believe you have equivalent knowledge and experience with medical terminology, contact Instructor, emccall@selkirk.ca
- 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)
- Evidence of keyboarding speed of 50 wpm on a five (5) minute typing test.
- Criminal Record Check with BC Ministry of Justice.
- Completed Immunization Record
- Computer skills – Applied Business Technology Word Processing Courses or resume showing equivalent work experience demonstrating proficiency in the use of Microsoft Word. Provide course transcripts/certificates, or a letter from an employer outlining computer skills, and resume. Necessary skills include knowledge of internet, email, word processing and file management.
- All applicants must complete assessments in reading, writing and math. If you have completed the College Readiness Tool previously at Selkirk, it's not necessary to do it again.

Program Summary

If you are interested in pursuing a career in the medical field and enjoy working as part of a team in a fast-paced environment, our online Nursing Unit Clerk certificate program will help you reach your goals. In this career, you will serve as the communication link between the members of the health care team, other departments (laboratory, diagnostic imaging, pharmacy) clients, visitors, and outside hospitals and agencies.

The Nursing Unit Clerk program prepares you with the knowledge, skills and practical experience required to work as a certified, entry level clerk in a variety of health care settings.

JOB DUTIES INCLUDE

- Processing physicians' orders for client care
- Coordinating client admissions, transfers and discharge
- Scheduling diagnostic tests and treatments
- Receiving diagnostic results and notifying appropriate team members
- Use a variety of software applications for data entry and maintaining files
- Communicating with clients' families and visitors

TAKE THIS PROGRAM IF YOU

- Are detail-oriented and well organized
- Communicate well
- Enjoy working in a fast-paced team environment
- Enjoy computer technology

We aim to secure practicum experiences in your home community and hospital of choice.

Additional Information

The program reflects real work situations and provides a curriculum designed to give learners the opportunity to gain the skills necessary to compete for employment and fulfill the role of a Nursing Unit Clerk, while encouraging a desire for life-long learning.

The program is not taught on Campus. The program is delivered in an online format. Students must have computer skills to complete this program, i.e. be familiar with internet, e-mail, word processing and file management. If you don't have these skills, courses are available by distance education through Selkirk College.

COMPLETION OPTIONS

This 720-hour program may be taken full-time or part-time. Full-time students complete the program in eight months, part-time students have up to two years to complete the program. The program courses have designated start and end dates. Students must follow the schedules and complete courses within the maximum time allotment.

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.

Important Dates

This Program has intakes in September and January of each year.

WINTER 2015

- January 5 – Winter semester instruction begins
- May 29 – Winter semester ends

NURSING UNIT CLERK

selkirk.ca/nucl

Careers

Graduates of this program obtain employment in hospitals. This program is designed to provide off-campus training with instructional support for students seeking future employment as a Nursing Unit Clerk within a hospital setting, and to provide certification opportunities for students currently working as unit clerks.

Application Information

Download the Nursing Unit Clerk Application Package at <http://selkirk.ca/program/nucl/application-information>

STEPS TO APPLY

Applications can be submitted, via online or mail, to Distance Admissions at the Castlegar campus. You will receive a letter advising receipt of your application. This letter will contain your student number and instructions on how to complete your application file for acceptance into the program.

Students are encouraged to submit applications early because general admission is required for registration in prerequisite courses.

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 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 prerequisites as listed below, your file will be considered complete. Admissions will send you an acceptance letter once 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. Case study discussions will be used to help the learner problem-solve authentic workplace situations.

NUCL 152 - PATIENT CHART RECORDS

This course introduces the learner to the various forms that constitute a patient chart in the hospital and the Nursing Unit Clerk's (NUC) responsibility for those forms. Information is given about charting rules and procedures, patient confidentiality and how to maintain a patient chart. Using case study examples and actual forms from the hospital, the learner will create patient charts.

NUCL 154 - ADMISSIONS, DISCHARGES AND TRANSFERS

This course introduces the learner to the Nursing Unit Clerk's (NUC) role in patient admission, discharge and transfer procedures within the hospital. Information is given about the Admitting Department, their role in these procedures and how the NUC interacts with this department. Using case study examples and actual forms from the hospital, the learner creates admission charts, a transfer chart and a discharge chart.

Pre-requisites: NUCL 152

NUCL 156 - DRUG NOMENCLATURE

This course introduces the learner to the brand and generic names, categories and actions of some of the more commonly used drugs in the hospital. Information is given about pharmacological terminology and physicians medication orders. This course provides the learner with the pharmaceutical knowledge required to process physicians medication orders.

NUCL 162 - MEDICATION ORDERS

This course introduces the learner to physicians medication orders and the Nursing Unit Clerk's (NUC) role in processing medication orders. Information is given about the types and categories of orders, the use of abbreviations and acronyms, the components of a medication order, intravenous (IV) solutions and IV therapy orders. Actual forms and physicians orders from the hospital will be used for practice.

Pre-requisites: NUCL 156

NUCL 164 - LABORATORY ORDERS I

This course introduces the learner to the five departments within Laboratory Department (Lab), the role of the Nursing Unit Clerk (NUC) in processing Lab orders and how the NUC interacts with the Lab. Information is given about the various specimens obtained, abbreviations and acronyms used in Lab orders and requisitioning orders for the Hematology and Chemistry departments within the Lab. Actual requisitions and physicians orders from the hospital will be used for practice. Case study discussions are used to help learners problem-solve authentic workplace situations.

NUCL 166 - LABORATORY ORDERS II

This course introduces the learner to the Microbiology, Blood Bank and Pathology departments of the Laboratory (Lab) and the Nursing Unit Clerk's (NUC) role in processing orders for these departments. Information is given about the use of abbreviations and acronyms, specimens obtained, requisitioning orders for these departments and for specimens sent out to British Columbia Cancer Agency (BCCA) and the Provincial Laboratory in British Columbia. Actual requisitions and physicians orders from the hospital will be used for practice. Case study discussions are used to help learners problem-solve authentic workplace situations.

NUCL 168 - DIAGNOSTIC ORDERS

This course introduces the learner to the diagnostic departments of Medical Imaging, Electrodiagnostics and Pulmonary Laboratory within the hospital and the Nursing Unit Clerk's (NUC) role in processing diagnostic orders. Information is given about the abbreviations and acronyms used in diagnostic orders, preparations for Medical Imaging procedures and requisitioning orders for these departments. Actual requisitions and physicians' orders from the hospital will be used for practice. Case study discussions are used to help learners problem-solve authentic workplaces situations.

NUCL 170 - MEDICAL / SURGICAL ORDERS

This course assists the learner in reviewing all program information; it is an accumulation of information learned in previous courses. A sampling of actual, typical orders from medical and surgical units is included. The course introduces the learner to admitting, pre-operative (pre-op), discharge and post-operative (post-op) orders, abbreviations and acronyms used for surgical procedures and the Nursing Unit clerk's role in processing physicians orders.

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 Clerk who acts as Preceptor, following the Preceptor's work rotation.

This is a placement in an acute care hospital where students work under the supervision of experienced Unit Clerks. 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. Students are eligible for a work practicum after they have successfully completed all other mandatory courses. Students must receive credit for practicum before certification is granted. Students currently employed as Unit Clerks may apply for prior learning assessment for the work practicum. Students seeking placements within IHA and FHA are advised to attend an on-campus computer training session prior to practicum.

Pre-requisites: Successful completion of all theory courses in the Nursing Unit Clerk program.

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Contacts

DISTANCE ADMISSIONS
Direct: 250.365.1425
Email: distanceadmissions@selkirk.ca

ERNA MCCALL
Direct: 250.368.3041
Email: emccall@selkirk.ca

TERESA PETRICK
School Chair
Phone: 250.365.7292 ext 21442
Direct: 250.365.1442
Email: tpetrick@selkirk.ca

Office Management

selkirk.ca/program/office-management

Course of Studies

The Office Management Diploma combines the Business Administration program to provide a strong foundation in the principles of Office Management.

- Students are to select ten courses from the following list to fulfill the latter half of the program's requirements.

*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.

SEMESTER 3

Course	Name		Credit
ADMN 252	Financial Management	On Campus	3
ADMN 269	Information Systems	On Campus	3
ADMN 272	Commercial Law	On Campus	3
ADMN 286	Human Resource Management	On Campus	3
ADMN 293	Electronic Commerce	On Campus	3
COMM 220	Principles of Organizational Behaviour	On Campus	3
ECON 106	Principles of Macroeconomics	On Campus	3
Total			21

SEMESTER 4

Course	Name		Credit
ADMN 171	Management Principles	On Campus	3
ADMN 181	Marketing	On Campus	3
ADMN 250	Managerial Accounting	On Campus	3
ADMN 295	Business Policy	On Campus	3
ADMN 296	International Business	On Campus	3
ADMN 297	Developing a Business Plan	On Campus	3
COMM 241	Financial Accounting II	On Campus	3
Total			21

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.

LENGTH OF STUDY:

Two Years

ACCREDITATION:

Diploma

CAMPUS:

Castlegar Campus

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 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 (CAFCE) and in consultation with federal and provincial government agencies.



CO-OP EDUCATION WORK-STUDY SEQUENCE:

Sept-Dec	Jan-Apr	May-Aug
Study Term 1*	Study Term 2*	Co-op Ed Work Term
Co-op Ed Work Term	Study Term 3	Co-op Ed Work Term
Study Term 4	Graduation	

* Completion of Office Administration and Bookkeeping Specialty Certificates at College of the Rockies.

FOR MORE INFORMATION PLEASE CONTACT:

BRENDA SMITH

Manager, Co-op Education and Employment Services
301 Frank Beinder Way
Castlegar, BC, V1N 4L3
email: Brenda Smith
Tel: 250.365.1280
Fax: 250.365.1218

Application Information

Download the Office Management Application Package at <http://selkirk.ca/program/office-management/application-information>

BEFORE YOU START

- Please make sure you meet all program 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.

Program Courses

ADMN 171 - MANAGEMENT PRINCIPLES

Management Principles is an introduction to management theory, philosophy and techniques including the specialized areas of entrepreneurship, small business, and hospitality and service industries.

Pre-requisites: COMM 220 is recommended.

ADMN 181 - MARKETING

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.

ADMN 250 - MANAGERIAL ACCOUNTING

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.

ADMN 252 - FINANCIAL MANAGEMENT

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.

ADMN 269 - INFORMATION SYSTEMS

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 system development will be studied with emphasis on systems analysis and design, internal controls, and proper documentation.

Pre-requisites: COMM 240/241 or equivalent.

ADMN 272 - COMMERCIAL LAW

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 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: Program admission standards.

ADMN 286 - HUMAN RESOURCE MANAGEMENT

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. The essential premise of Human Resources Management is that an organization's employees are its most vital asset in the accomplishment of its goals.

Pre-requisites: COMM 220 or permission of the instructor.

ADMN 293 - ELECTRONIC COMMERCE

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, COMM 240/241.

ADMN 295 - BUSINESS POLICY

Business Policy is a capstone course integrating the varied disciplines in business including accounting and finance, marketing, operations, economics, forecasting, and management philosophies into a comprehensive knowledge base which becomes a foundation for strategic planning. Analysis of business cases is a core component of the course.

Pre-requisites: ADMN 181, COMM 240/241 or equivalent.

ADMN 296 - INTERNATIONAL BUSINESS

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: None, but an Introductory Marketing course is recommended.

ADMN 297 - DEVELOPING A BUSINESS PLAN

Developing a Business Plan examines the process of researching and developing a business plan. A business plan provides a comprehensive frame work 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 181, COMM 241 or equivalent.

OFFICE MANAGEMENT

selkirk.ca/program/office-management

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: Program admission standards.

COMM 241 - FINANCIAL ACCOUNTING II

Financial Accounting II is the next 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

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.

Contacts

BUSINESS ADMISSIONS

Admissions Contact
Phone: 1.888.953.1133 ext 21324
Direct: 250.365.1324
Fax: 250.365.3929
Email: Cridge@selkirk.ca

BUSINESS CONTACT

Program Contact
Phone: 1.888.953.1133 ext 21205
Direct: 250.365.1205
Fax: 250.365.1260
Email: business@selkirk.ca

TIFFANY SNAUWAERT

School Chair of Business/ Program Advisor
/Instructor
Phone: 1.888.953.1133 ext 21268
Direct: 250.365.1268
Fax: 250.365.1260
Email: TSnauwaert@selkirk.ca

Open Studio Advanced Certificate

selkirk.ca/program/open-studio

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, work-plan 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.

ACCREDITATION:

Advanced Certificate

CAMPUS:

Victoria Street Campus, Nelson

Peace Studies

selkirk.ca/program/peace-studies

Course of Studies

CORE COURSES

Course	Name		Credit
ENGL 110	College Composition	On Campus	3
PEAC 100	Peace Studies I	On Campus	3
PEAC 101	Peace Studies II	On Campus	3
PEAC 201	From Water to Chocolate: Environment, Conflict and Justice	On Campus	3
PEAC 202	Leadership for Peace: the Individual and Social Transformation	On Campus	3
PEAC 203	Introduction to Transformative Justice: Theory and Practice	On Campus	3
Total			18

ELECTIVES

The following courses are recommended as electives in a Peace Studies program.

ANTH 100	Introduction to Anthropology I	Online	3
ANTH 101	Introduction to Anthropology II: Cultural Anthropology	On Campus	3
ANTH 201	Ethnic Relations	On Campus	3
ANTH 205	Anthropology of Religion	On Campus	3
ECON 106	Principles of Macroeconomics	On Campus	3
ECON 107	Principles of Microeconomics	On Campus	3
FAM 180	Family Dynamics	On Campus	3
FNST 287	First Nations Practice Studies	On Campus	3
FREN 112	First-Year French I	On Campus	3
FREN 113	First-Year French II	On Campus	3
GEOG 140	Introduction to Cultural Geography	On Campus	3
HIST 104	Canada Before Confederation	On Campus	3
HIST 105	Contemporary Canada	On Campus	3
HIST 106	Western Civilization I	On Campus	3
HIST 107	Western Civilization II	On Campus	3
HIST 203	A History of British Columbia	On Campus	3
HIST 210	A History of the First Nations of Canada	On Campus	3
HIST 215	A History of the West Kootenay	On Campus	3
HIST 220	Latin America: Pre-1821	On Campus	3
HIST 221	Latin America: Post-1821	On Campus	3
PEAC 205	Global Perspectives in Peace: An Independent Studies Course	On Campus	3
PSYC 100	Introductory Psychology I	On Campus	3
PSYC 101	Introductory Psychology II	On Campus	3
SOC 120	Introductory Sociology I	On Campus	3
SOC 121	Introductory Sociology II	On Campus	3
SOC 215	Canadian Social Structure	On Campus	3
SPAN 112	First Year Spanish I	Online	3
SPAN 113	First Year Spanish II	Online	3
WS 100	Women's Studies I	On Campus	3
WS 101	Women's Studies II	On Campus	3

LENGTH OF STUDY:

Two Years

ACCREDITATION:

Liberal Arts Diploma

CAMPUS:

Castlegar Campus

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 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



Admission Requirements

Admission to the program requires the completion of English 12 with a grade of "C" or better. Other prerequisites depend on the electives you choose to make up your program. Please consult with a Selkirk College counsellor for more information.

Program Courses

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.

ANTH 101 - INTRODUCTION TO ANTHROPOLOGY II: CULTURAL ANTHROPOLOGY

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.

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.

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.

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

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.

FAM 180 - FAMILY DYNAMICS

This course is designed to provide students with a variety of theoretical perspectives to understanding families. It considers the diversity of families including exploration of cultural differences, same-sex parents, single parents and blended families. The role of marriage is examined, as well as childbearing and socialization. Issues such as middle age, empty nest, aging in the family, and special concerns such as chronic illness, disability, alcoholism, violence, and poverty are introduced.

Pre-requisites: ENGL 12 or equivalent.

FNST 287 - FIRST NATIONS PRACTICE STUDIES

This course will provide students with an introduction to Indigenous teachings and practices. 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.

Pre-requisites: ENGL 110.

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.

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.

GEOG 140 - INTRODUCTION TO CULTURAL GEOGRAPHY

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.

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.

PEACE STUDIES

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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.

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 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.

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 better or written permission of the Instructor and School Chair.

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.

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.

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.

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.

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.

PEAC 100 - PEACE STUDIES I

This interdisciplinary and values-based course 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

This course 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

From Water to Chocolate: Environment, Conflict and Justice looks at conflicts around the world related to water, timber, diamonds, gold, oil and cocoa, along with a broad range of constructive approaches to ameliorating them, including environmental peacebuilding, certification, solidarity, international accompaniment, nonviolent direct action, divestment, and fair/direct trade. We focus especially on the growing power of nonviolent citizen movements resisting oil extraction, pipelines, fracking and climate change in favour of renewable energy, Indigenous rights and climate justice, both abroad and in our own backyards.

Pre-requisites: Second year standing or written permission of the Instructor and School Chair.

PEAC 202 - LEADERSHIP FOR PEACE: THE INDIVIDUAL AND SOCIAL TRANSFORMATION

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". Each semester Peace Studies 202 will focus on one or two leaders in peace - ranging from the political action of Gandhi or Nelson Mandela, to the ideas of Tolstoy or Martin Luther King, to the traditional cultural practices of indigenous peoples, or the human insights of spiritual leaders from diverse cultures. These lives will be measured against issues of authority, power, legitimacy and the will to truth, reconciliation, compassion and healing.

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.

PEAC 203 - INTRODUCTION TO TRANSFORMATIVE JUSTICE: THEORY AND PRACTICE

Peace Studies 203 will explore transformative justice as theory, as process and as practice. The course will offer model for integration of law and the individual—where restorative and transformative justice are viewed in the context of Canada's criminal justice system. But course exploration will move beyond the limits of criminal justice to learn how transformative justice is practiced in the community and around the globe. There will be an attempt to say how transformative justice theory and practice critically examine social, economic and political structures and systems that underlie much of our conflict at all levels. Following an introduction to the theory and practice of transformative justice, the

class will focus on specific themes and topics – how transformative justice principles can be applied to specific areas such as the environment, community building, post war reconciliation, and other issues. Assignments will focus on solutions and models for peace-building, social integration and positive social change.

Pre-requisites: English 12 or equivalent with a grade of "C" or better, or recommended PEAC 100 and 101.

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.

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.

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 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.

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.

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.

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.

PEACE STUDIES

selkirk.ca/program/peace-studies

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.

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Contacts

UNIVERSITY ARTS & SCIENCES ADMISSIONS

Admissions Officer (Castlegar)
Phone: 1.888.953.1133 ext 21233
Direct: 250.365.1233
Email: rwalker@selkirk.ca

UNIVERSITY ARTS & SCIENCES

Program Contact
Phone: 1.888.953.1133 ext 21205
Direct: 250.365.1205
Email: UAS@selkirk.ca

DAVID FELDMAN

School Chair, UAS, Instructor, Mathematics
Phone: 1.888.953.1133 ext 21331
Direct: 250.365.1331
Email: dfeldman@selkirk.ca

Course of Studies

The following is a suggested mix of courses to satisfy requirements for the Associate of Science Degree - Entry to Pharmacy. Courses should be chosen only after consultation with a Selkirk College counsellor.

Year 1

SEMESTER 1

Course	Name		Credit
ENGLISH	English Requirement: ENGL 110 or ENGL 112	On Campus	3
CHEMISTRY	Chemistry Requirement: CHEM 110 or CHEM 122	On Campus	3
BIOL 104	Biology I	On Campus	3
MATH 100	Calculus I	On Campus	3
OPEN SCI	Science Elective	On Campus	3
Total			15

SEMESTER 2

Course	Name		Credit
ENGLISH	English Requirement: ENGL 111 or ENGL 114	On Campus	3
BIOL 106	Biology II	On Campus	3
CHEM 125	Foundations of Chemistry II	On Campus	4
MATH 101	Calculus II	On Campus	3
STAT 105	Introduction to Statistics	On Campus	3
Total			15

LENGTH OF STUDY:

First Year

CAMPUS:

Castlegar Campus

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 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.

Program Summary

Get the prerequisites you need for your pharmacy degree.

PROGRAM OVERVIEW

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 first year of studies towards your two-year associate of science degree 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 first year science and humanities subjects, including:

- Biology
- Calculus
- Chemistry
- College writing composition
- Literature and prose fiction
- Physics
- Poetry and drama
- Statistics

Once you successfully complete your first year of studies with us, you'll have the prerequisites for (plus some of the courses within) pharmacy degrees at UBC, University of Alberta and University of Saskatchewan.

Admission Requirements

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

PHARMACY – ENTRY TO

selkirk.ca/pharmacy

Year 2

The following is a suggested mix of courses to satisfy requirements for the Associate of Science Degree - Entry to Pharmacy. Choose courses only after consultation with a Selkirk College counsellor.

NOTES: BIOL 212 is not currently offered. See a Selkirk College counsellor for options.

This program contains all prerequisites courses required by for entry into a B.Sc. in pharmacy at UBC and U of A.

Students planning to apply to USask should choose all of their arts and general electives as follows:

- Two of the electives should be chosen from PSYC 100, PSYC 101, SOC 120 and SOC 121.
- The other two electives can be any courses in humanities or social sciences. With these electives, all prerequisites for entry to USask will be complete.

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

SEMESTER 3

Course	Name		Credit
CHEM 212	Organic Chemistry I	On Campus	3
BIOL 204	Cell Biology	On Campus	3
BIOL 212	Microbiology	On Campus	3
ARTS I	First or Second Year Arts Requirement	On Campus	3
UAS ELECT	General UAS Elective	On Campus	3
Total			15

SEMESTER 4

Course	Name		Credit
CHEM 213	Organic Chemistry II	On Campus	3
BIOL 206	Introductory Biochemistry	On Campus	3
OPEN SCI	Science Elective	On Campus	3
ARTS I	First or Second Year Arts Requirement	On Campus	3
UAS ELECT	General UAS Elective	On Campus	3
Total			15

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.

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.

This course is currently not running. See a Selkirk College counsellor for options.

CHEM 125 - FOUNDATIONS OF CHEMISTRY II

This general chemistry course is the continuation of either Chemistry 110 or Chemistry 122. Chemistry 125: Foundations of Chemistry II begins with an investigation of intermolecular forces in liquids and solids, followed by the colligative properties of solutions. Next, it presents the principles of equilibria applied to pure substances and aqueous solutions of acids, bases and salts. The laws of thermodynamics applied to chemical substances are introduced. The field of organic chemistry is surveyed; 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 alkynes and alcohols is examined. Structure-determination techniques, including IR and NMR, are explored. The laboratory work of 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 aromatic compounds, alcohols, ethers, aldehydes and ketones, as well as carboxylic acids and carboxylic acid derivatives. 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.

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
The 112/114 sequence is focused on the interpretation of literature.

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.

STAT 105 - INTRODUCTION TO STATISTICS

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.

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 at <http://www.bctransferguide.ca/> 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: rwalker@selkirk.ca

UNIVERSITY ARTS & SCIENCES

Program Contact
Phone: 1.888.953.1133 ext 21205
Direct: 250.365.1205
Email: UAS@selkirk.ca

DAVID FELDMAN

School Chair, UAS, Instructor, Mathematics
Phone: 1.888.953.1133 ext 21331
Direct: 250.365.1331
Email: dfeldman@selkirk.ca

**FOR UNIVERSITY ARTS & SCIENCES
COURSE DESCRIPTIONS:**

see page 261

Pharmacy Technician

selkirk.ca/ptec

Course of Studies

SEMESTER 1

Course	Name		Credit
PTEC 100	Pharmacy Seminar	Online	2
PTEC 104	Pharmacy Billing, Regulations and Protocols	Online	3
PTEC 105	Pharmacy Calculations	Online	5
PTEC 107	Pharmacology I	Online	4
PTEC 109	Pharmacy Practice I	Online	4
Total			18

SEMESTER 2

Course	Name		Credit
PTEC 106	Merchandising Concepts	Online	3
PTEC 108	Pharmacology II	Online	5
PTEC 110	Pharmacy Practice II	Online	3
PTEC 113	Introduction to Aseptic Technique	Online	1
Total			12

SEMESTER 3

Course	Name		Credit
PTEC 114	Sterile Products Lab	On Campus	2
PTEC 115	Prescription Dispensing Lab	On Campus	2
PTEC 116	Compounding Lab	On Campus	2
PTEC 119	Computer Skills for Prescription Processing	On Campus	2
PTEC 129	practicum	Practicum	9
Total			18

LENGTH OF STUDY:

11 Months

ACCREDITATION:

Certificate

CAMPUS:

Castlegar Campus

an intake of 20 full-time students. Program courses are supported by texts and web links to additional reading and resources. Lab component skills consist of pharmacy computer software systems, sterile product preparation, prescription dispensing and compounding skills. Practicums are 140-160 hours each in a hospital and community setting.

Note: For information on bridging programs and the PEBC Qualifying exam for past graduates of Pharmacy Technician programs or people who have been working as Pharmacy Technicians, please see the website.

PROGRAM OBJECTIVES

The CCAPP, (National Association of Pharmacy Regulatory Authorities (NAPRA) Professional Competencies for Canadian Pharmacy Technicians at Entry to Practice.

Admission Requirements

This program is open to Canadian and landed immigrant students living in Canada.

ACADEMIC

BC high school graduation or its equivalent plus the following courses with a C grade or better: Biology 12, Chemistry 11, English 12, Principles of Math 11 or Applications of Math 12, or their equivalents

*Applicants graduating from high school as of 2012 will require Foundations of Math 12 or Pre-Calculus 11 with a C grade or better

Current basic computer skills: Windows, word processing and Internet abilities

All students are required to complete the Computer Placement Test for assessment of their English and Math skills prior to entry into the program

GENERAL

Criminal Record Check by BC Ministry of Justice. The criminal record search will be available, on request, to any hospital, clinic, or community pharmacy receiving students for Preceptorship. Certain criminal records may be unacceptable to some placement agencies and facilities. The School of Health and

Program Summary

Pharmacy Technician jobs are expanding and there is currently a shortage of qualified technicians. Fast track your career in this certificate program. Designed for your success and awarded the status of Full accreditation by the Canadian Council for Accreditation of Pharmacy Programs (CCAPP), our classes are technologically advanced, student-centered and convenient.

Our program has an excellent reputation for upholding the high standards required in the pharmaceutical field and is recognized by many pharmacists, pharmacy organizations and health authorities in British Columbia and Alberta.

WE OFFER YOU

- Small class sizes
- Individual attention
- Interactive online format
- Experienced and committed instructors

TAKE THIS PROGRAM IF YOU

- Are detail-oriented and well organized
- Communicate well
- Enjoy working in a fast-paced team environment
- Enjoy computer technology

Additional Information

The Pharmacy Technician program at Selkirk College provides students the education to work as pharmacy technicians in community and hospital pharmacies.

The program is a blend of online pharmacy technician courses, face-to-face lab classes and hands on skills in both a community and hospital pharmacy environment.

Term 2 lab classes are completed on the Selkirk College Campus in Castlegar, British Columbia. The program will commence in August each year with

Human Services will not be responsible for seeking alternative placements for students who are denied access to a Preceptorship because of a criminal record. Students are advised that certain criminal records may prevent completion of a Preceptorship and thus completion of the program graduation requirements

Immunization: Students entering the Pharmacy Technician Program must meet requirements for immunization established for health care workers by the Ministry of Health prior to entry into any practicum setting

Personal Reference: All applicants must submit two personal references as indicated in the application package as part of the formal admission process

Personal Health Record: A personal health history document must be submitted prior to acceptance into the program

Personal Information: All applicants must complete a brief personal history and short essay as to why they wish to become a Pharmacy Technician as part of the admission process

MATURE STUDENTS

A "mature student" is at least 19 years of age and has been out of the school system for at least one year on or before the first day of classes of the program

A mature student, with reasonable potential for success on the basis of work experience or other criteria may be admitted, notwithstanding some deficiency in prior formal education

A mature student shall normally meet the specific program or course prerequisites

Mature students should apply at least one year in advance of the anticipated start date, as academic upgrading may be necessary

ADDITIONAL NOTE

Program requires WHIMIS; Basic level CPR (C) and Basic First Aid to be completed before entering Practicums. Registration for these can be obtained by contacting your local college campus.

APPLICANTS SEEKING SPECIFIC UPGRADING

- Individuals seeking a specific skill set through courses that are a part of the Pharmacy Technician Program will be considered on a case by case basis
- In such cases the admissions protocols may be waived by the instructor in consultation with the School Chair

ADVANCED CREDIT

To transfer credit from another institution, application must be made to and approval obtained from the Registrar

- Course equivalency will be determined by the Registrar in accordance with Selkirk College Policy B3002.1 (Admissions & Standards), part 1, section 4.0. Course equivalency will be based upon assessment by the department concerned

A student who applies for advanced standing from another Pharmacy Technician Program will be considered on an individual basis

- Application for advanced credit is to be made prior to entry into the Pharmacy Technician Program

ADDITIONAL COMMENTS

- English 12 Literature is not accepted for English 12 prerequisite
- Pre-entry into program upgrading requirements for Math, Chemistry, Biology, Typing, Computer skills can be obtained online or in face to face classes. Contact admissions for the campus or online offering that is convenient for you. Allow six months to one year to complete upgrade courses depending on your circumstances and course available

EXCEPTIONS

- Working pharmacy technicians or other health profession diploma holders, may enter the program on a reduced PTEC program course load while completing prerequisites
- Students applying to enter the pharmacy technician program with diplomas or degrees in other health professions will need to consult with the Program coordinator for an evaluation of similar courses taken in science or other college or university programs
- Students that have taken pharmacy technician programs or medical terminology from other schools or institutions will need to provide transcripts and course outlines for the registrar & program coordinator to evaluate placement on entry to the Selkirk College Pharmacy Technician program

Important Dates

WINTER 2015

- January 12 - Semester 2 courses start online
- April 10 - Semester 2 ends

SPRING/SUMMER 2015

- April 13 - On campus lab classes start
- May 29 - On campus labs end
- June 1 - Practicum starts
- July 31 - Practicum ends

Careers

Pharmacy Technicians work under the supervision of a licensed Pharmacist pharmacy-related functions, in compliance with policies and procedures that provide optimal pharmaceutical care.

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

Download the Pharmacy Technician Application Package at <http://selkirk.ca/program/ptec/application-information>

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

Program Courses

PTEC 100 - PHARMACY SEMINAR

Pharmacy Seminar provides a communications platform for students to become familiar with the role of a pharmacy technician. During the first week the learner is introduced to the Pharmacy Technician Handbook and fall term course work, followed by an orientation in using message boards and chat groups. Thereafter weekly check in chat sessions provide a forum to present topics related to the work of the pharmacy technician and pharmacist in a pharmacy setting.

Pre-requisites: Acceptance into the Pharmacy Technician Program.

PTEC 104 - PHARMACY BILLING, REGULATIONS AND PROTOCOLS

In this course the provincial and federal laws governing the dispensing of pharmaceuticals and the roles and functions of the pharmacist will be reviewed as will the context of practice for both the pharmacist and the pharmacy technician. Also included will be exposure to the professional ethics of both the pharmacist and pharmacy technician and an overview of the functions of the College of Pharmacists in regulation of their practice. Third party billing plans will be discussed from the perspective of determining claim processes used by each agency.

Pre-requisites: Acceptance into the Pharmacy Technician Program.

PTEC 105 - PHARMACY CALCULATIONS

Beginning with number systems, decimals, and fractions, the fundamentals of pharmaceutical math concepts are used to perform calculations. Emphasis is on the metric system, in keeping with health care standards in Canada. Also included are ratios and proportions, dilutions and concentrations, percentage strengths, milliequivalents, and conversions among systems such as Apothecary, Avoirdupois and household measurements.

Pre-requisites: Acceptance into the Pharmacy Technician Program.

PTEC 106 - MERCHANDISING CONCEPTS

This course is an introduction to retailing in the Canadian environment. The course will include: consumer behaviour, retail marketing factors, retail location, retail image, store design and layout, retail product assortment, retail pricing and promotion, customer service and loyalty, handling customer complaints. Inventory management techniques such as inventory levels and pricing; an overview of electronic commerce and financial evaluation strategies are integrated within the course material.

PTEC 106 Merchandising Concepts supplements the retail portion of Pharmacy Practice II.

Pre-requisites: Acceptance into the Pharmacy Technician Program.

PTEC 107 - PHARMACOLOGY I

This is part one of a two-part course, which provides an introduction to general principles of pharmacology. It includes an overview of body systems that will enhance the understanding of drug actions. An emphasis is placed on learning brand and generic drug names used in common medical conditions. Common drug interactions and side effects are included.

Pre-requisites: Acceptance into the Pharmacy Technician Program.

PTEC 108 - PHARMACOLOGY II

This is part two of a two-part course, which is a continuation of pharmacology general principles. It includes an overview of body systems that enhances the understanding of drug actions. Emphasis is placed on learning brand and generic drug names used in common medical conditions. Common drug interactions and side effects are included.

Pre-requisites: Acceptance into the Pharmacy Technician Program.

PTEC 109 - PHARMACY PRACTICE I

This course begins with an overview of the history of the pharmacy across time to bring context to the role of the pharmacist and pharmacy technician in the modern day pharmacy. It then focuses upon the language used in the pharmacy, including Latin abbreviations and terms and the appropriate use of medical terminology. Drug forms, dosages, routes and timing of drug administration, and interactions of drugs are thoroughly explained.

Pre-requisites: Acceptance into the Pharmacy Technician Program.

PTEC 110 - PHARMACY PRACTICE II

Pharmacy Practice II is an introductory course that uses a body systems approach to study over-the-counter-drugs and herbal products. Learners are also introduced to the home health care market where knowledge of specialty products and medical devices is an asset to working in a community pharmacy.

Pre-requisites: Acceptance into the Pharmacy Technician Program.

PTEC 113 - INTRODUCTION TO ASEPTIC TECHNIQUE

This introductory course presents the theory portion of sterile product preparation. Topics include aseptic principles, the aseptic environment, parenteral solutions, cytotoxic agents, documentation and

quality assurance as recommended by the Canadian Society of Hospital Pharmacists.

Pre-requisites: Successful completion of PTEC 104; PTEC 105; PTEC 109

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.*

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Contacts

CAROL RIDGE
Enrolment Officer
Direct: 250.365.1324
Email: cridge@selkirk.ca

CHERYL MORASSUT
RPhT, Pharmacy Technician Program Lead 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

Pharmacy Technician National Bridging Education Program / Programme Passerelle National de Formation de Technicien(ne) en Pharmacie selkirk.ca/ptec-bridging

COURSE OF STUDIES

Pharmacology

SEMESTER

Course	Name	Online	Credit
PTECB 130	Pharmacology	Online	2
Total			2

Product Preparation

SEMESTER

Course	Name	Online	Credit
PTECB 131	Product Preparation	Online	2
Total			2

Management of Drug Distribution Systems

SEMESTER

Course	Name	Online	Credit
PTECB 132	Management of Drug Distribution Systems	Online	3
Total			3

Professional Practice

SEMESTER

Course	Name	Online	Credit
PTECB 133	Professional Practice	Online	3
Total			3

LENGTH OF STUDY:

Each course is 11-13 weeks online

CAMPUS:

Online

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.

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

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.

Details on registration/licensure requirements in specific jurisdictions are available on each PRA's web site. It is the students' responsibility to ensure that they meet the applicable registration/licensure requirements in their jurisdiction. Students who do not meet the eligibility criteria or deadlines in their jurisdiction may jeopardize their ability to continue with the registration/licensure process. A list of PRAs in the various provinces and territories of Canada is available on the NAPRA website at http://napra.ca/pages/Licensing_Registration/Authorities.aspx?id=1971

To see more information about understanding the requirements in your jurisdiction, see the NAPRA website for Information for Students.

Important Dates

NATIONAL BRIDGING PROGRAM

Application and registration closes three to four weeks before class start dates each semester. For the 2014-15 academic year these dates are:

- Winter 2015 Application Deadline December 11, 2014 at 4:00 PM (PST)

Applications for PLAR exams must be received by the first day of each month. PLAR exams will be set up according to the number of students in need of a particular PLAR exam. Each student request will be considered and organized monthly by the Coordinator.

WINTER 2015

- January 5 Bridging courses start
- March 20 Pharmacology and Product Preparation courses end
- April 3 Management of Drug Distribution and Professional Practice courses end

SPRING 2015

- April 20 Bridging courses start
- July 3 Pharmacology and Product Preparation courses end
- July 17 Management of Drug Distribution and Professional Practice courses end.

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.

Textbook Required: Text book required: Moscou K, Snipe K. Pharmacology for Pharmacy Technicians 2013 (2d edition). ISBN: 978-0-323-084970.

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 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

TEXT BOOK

McCartney, Lisa Sterile Compounding and Aseptic Technique Concepts, Training and Assessment for Pharmacy Technicians. Paradigm Publishing. ISBN 978-0-76384-083-9 (Text and DVD).

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.

**PHARMACY TECHNICIAN - NATIONAL BRIDGING EDUCATION PROGRAM / PROGRAMME PASSERELLE
NATIONAL DE FORMATION DE TECHNICIEN(NE) EN PHARMACIE**

selkirk.ca/ptec-bridging

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Program Contacts

ELISE HAMELIN-JOHNSTON
PTEC Enrolment Officer
Phone: 888.953.1133 ext 21239
Direct: 250.365.1239
ehamelinjohnston@selkirk.ca

CHERYL MORASSUT
RPhT, Pharmacy Technician Program Lead Instructor
/ National Online Bridging Program Coordinator
Phone: 250.365.7292 ext 21467
Direct: 250.365.7292
cmorassut@selkirk.ca

TERESA PETRICK
School Chair
Phone: 250.365.7292 ext 21442
Direct: 250.365.1442
tpetrick@selkirk.ca

Course of Studies

Course	Name		Credit
PO 101	Introduction to Process Plant Systems	On Campus	8
PO 102	Process Fundamentals	On Campus	4
PO 103	Introduction to Process Plant Operations	On Campus	2
PO 104	Plant Tours	On Campus	3
PO 105	Work Practicum	Practicum	6
Total			23

LENGTH OF STUDY:

24 Weeks

ACCREDITATION:

Certificate

CAMPUS:

Silver King Campus

- Process technician
- Digester operator
- Field operator
- Grinderman/woman
- Refiner operator
- Repulper operator
- Screenman/woman
- Thermomechanical pulp operator

Program Summary

This 24-week program (18 weeks on-campus + 6 week practicum) prepares students for entry level positions as plant operators. Students gain knowledge and develop the skills required to operate, monitor and troubleshoot control equipment and processing units found in most industrial settings. Students learn about industrial plant functionality and gain a critical understanding of plant systems, process fundamentals, and plant operations.

Students engage in a variety of classroom, shop and real-world activities. They learn the theoretical principles of operations and processes in the classroom, and apply their knowledge in our shop where they gain valuable experience by practicing various operational procedures.

Upon completion of the on-campus component of the program, students embark on practicums hosted by regional employers where they master operations in real industrial environments.

Admission Requirements

The following admission requirements are specific to the Plant Operator 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 ABE 46, with a grade of “C” or better
- Recommended courses: Chemistry 11, Physics 11, Principles of Math 11 & 12 and English 12
- 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).

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.

Important Dates

2015

- March 9 - Fall Practicum Begins
- April 17 - Fall Intake Ends
- March 24 - Spring Intake Begins
- July 27 - Spring Practicum Begins
- September 4 - Spring Intake Ends
- July 6 - Summer Intake Begins
- November 10 - Summer Practicum Begins
- December 18 - Summer Intake Ends
- October 20 - Fall Intake Begins
- March 7, 2016 - Practicum Begins
- April 15, 2016 - Fall Intake Ends

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.

- Chief technician
- Master operator
- Panel operator

Program Courses

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

Post-Graduate Diploma in Accounting

selkirk.ca/program/post-graduate-diploma-accounting

Year 1 - Fall Intake

SEMESTER 1

Course	Name		Credit
ADMN 272	Commercial Law	On Campus	3
ADMN 308	Multicultural Management	On Campus	3
COMM 240	Financial Accounting I	On Campus	3
ECON 106	Principles of Macroeconomics	On Campus	3
TWC 164	Introduction to Report and Letter Writing	On Campus	3
Total			15

SEMESTER 2

Course	Name		Credit
ADMN 315	Leadership	On Campus	3
ADMN 399	Directed Studies Business	On Campus	3
COMM 241	Financial Accounting II	On Campus	3
ECON 107	Principles of Microeconomics	On Campus	3
STAT 105	Introduction to Statistics	On Campus	3
Total			15

Year 2 - Fall Intake

SEMESTER 3

Course	Name		Credit
ADMN 251	Intermediate Accounting I	On Campus	3
ADMN 252	Financial Management	On Campus	3
ADMN 253	Principles of Income Tax I	On Campus	3
ADMN 259	Auditing	On Campus	3
ADMN 269	Information Systems	On Campus	3
Total			15

SEMESTER 4

Course	Name		Credit
ADMN 250	Managerial Accounting	On Campus	3
ADMN 254	Intermediate Accounting II	On Campus	3
ADMN 255	Corporate Finance	On Campus	3
ADMN 257	Income Tax II	On Campus	3
ADMN 295	Business Policy	On Campus	3
Total			15

LENGTH OF STUDY:

Two Years

ACCREDITATION:

Post-Graduate Diploma

CAMPUS:

Castlegar Campus

Program Summary

Earning a Selkirk College Post Graduate Diploma in Accounting 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.

BECOME A CHARTERED PROFESSIONAL ACCOUNTANT

This Post Graduate Diploma in Accounting (PGDA) 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 PGDA 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 PGDA 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.

Year 1 - Spring Intake

SEMESTER 1

Course	Name		Credit
ECON 107	Principles of Microeconomics	On Campus	3
TWC 164	Introduction to Report and Letter Writing	On Campus	3
Total			6

SEMESTER 2

Course	Name		Credit
ADMN 272	Commercial Law	On Campus	3
ADMN 308	Multicultural Management	On Campus	3
COMM 240	Financial Accounting I	On Campus	3
ECON 106	Principles of Macroeconomics	On Campus	3
Total			12

SEMESTER 3

Course	Name		Credit
ADMN 315	Leadership	On Campus	3
ADMN 399	Directed Studies Business	On Campus	3
COMM 241	Financial Accounting II	On Campus	3
STAT 105	Introduction to Statistics	On Campus	3
Total			12

Year 2 - Spring Intake

SEMESTER 4

Course	Name		Credit
ADMN 251	Intermediate Accounting I	On Campus	3
ADMN 252	Financial Management	On Campus	3
ADMN 253	Principles of Income Tax I	On Campus	3
ADMN 259	Auditing	On Campus	3
ADMN 269	Information Systems	On Campus	3
Total			15

SEMESTER 3

Course	Name		Credit
ADMN 250	Managerial Accounting	On Campus	3
ADMN 254	Intermediate Accounting II	On Campus	3
ADMN 255	Corporate Finance	On Campus	3
ADMN 257	Income Tax II	On Campus	3
ADMN 295	Business Policy	On Campus	3
Total			15

Admission Requirements

In addition to meeting the general entrance requirements for admission to Selkirk College, applicants must meet the following Post-Graduate Diploma in Accounting requirements:

ACADEMIC

IELTS 6.5 (no band score lower than 5.5) or English 12 with grade of C+ or higher required. Learn more about the full list of international language test scores accepted at <http://selkirk.ca/international/how-apply-selkirk-college/english-language-proficiency>

Applicants must have an undergraduate degree (Bachelor’s degree) from a recognized post-secondary institution.

Foundations of Math 11 with a grade of “C+” or better required. International applicants may also demonstrate math pre-requisites by showing evidence of successful completion of post-secondary level business math or statistics courses.

All applicants, upon arrival at 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.

Important Dates

WINTER 2015

- March 26 - Business Competition (Tenth Annual)

For International students, in general, our application deadlines are as follows:

- April 15 for September start dates
- September 15 for January start dates
- February 15 for May start dates

Please consult with the Citizen and Immigration Canada (CIC) website for approximate study permit processing time for your country to ensure that your application is received with adequate time for processing by Selkirk College and CIC

Program Courses

ADMN 251 - INTERMEDIATE ACCOUNTING I

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 are an integral part of this course.

Pre-requisites: COMM 240/241 or equivalent.

ADMN 252 - FINANCIAL MANAGEMENT

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.

ADMN 253 - PRINCIPLES OF INCOME TAX I

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.

ADMN 259 - AUDITING

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 240/241 or equivalent.

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 system development will be studied with emphasis on

systems analysis and design, internal controls, and proper documentation.

Pre-requisites: COMM 240/241 or equivalent.

ADMN 250 - MANAGERIAL ACCOUNTING

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.

ADMN 254 - INTERMEDIATE ACCOUNTING II

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, the cash flow statement, and full disclosure on financial reports.

Pre-requisites: ADMN 251 or equivalent.

ADMN 255 - CORPORATE FINANCE

ADMN 255: Corporate Finance examines the raising and allocation of 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.

ADMN 257 - INCOME TAX II

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.

ADMN 272 - COMMERCIAL LAW

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 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: Program admission standards.

ADMN 295 - BUSINESS POLICY

Business Policy is a capstone course integrating the varied disciplines in business including accounting and finance, marketing, operations, economics, forecasting, and management philosophies into a comprehensive knowledge base which becomes a foundation for strategic planning. The course emphasized the development of critical thinking skills. Student participation in class and in team projects and analysis of business cases is a core component of the course.

Pre-requisites: ADMN 181, COMM 240/241 or equivalent.

ADMN 308 - MULTICULTURAL MANAGEMENT

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 behaviour, 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: Successful completion of first year of the program or successful completion of two years in a different post-secondary program subject to approval by School Chair/Instructor.

ADMN 315 - LEADERSHIP

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: Successful completion of first year of the program or successful completion of two years in a different post-secondary program subject to approval by School Chair/Instructor.

ADMN 399 - DIRECTED STUDIES BUSINESS

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

POST-GRADUATE DIPLOMA IN **ACCOUNTING**

selkirk.ca/program/post-graduate-diploma-accounting

their supervisor on a regular basis for assistance and to have their progress assessed.

Pre-requisites: Successful completion of first year of the program or instructor approval.

COMM 240 - FINANCIAL ACCOUNTING I

Financial Accounting I course 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: Grade 10 or equivalent.

COMM 241 - FINANCIAL ACCOUNTING II

Financial Accounting II is the next 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

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

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.

STAT 105 - INTRODUCTION TO STATISTICS

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.

TWC 164 - INTRODUCTION TO REPORT AND LETTER WRITING

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.

Post-Graduate Diploma in **Business Administration**

selkirk.ca/program/post-graduate-diploma-business-tourism-management

Year 1 - Fall Intake

SEMESTER 1

Course	Name		Credit
COMM 240	Financial Accounting I	On Campus	3
COMM 220	Principles of Organizational Behaviour	On Campus	3
ECON 106	Principles of Macroeconomics	On Campus	3
MATH 125	Business Mathematics	On Campus	3
TWC 164	Introduction to Report and Letter Writing	On Campus	3
Total			15

SEMESTER 2

Course	Name		Credit
ADMN 171	Management Principles	On Campus	3
ADMN 181	Marketing	On Campus	3
COMM 241	Financial Accounting II	On Campus	3
ECON 107	Principles of Microeconomics	On Campus	3
TWC 165	Oral Presentations and Skills Training	On Campus	3
Total			15

Year 2 - Fall Intake

SEMESTER 3

Course	Name		Credit
ADMN 230	Project Management	On Campus	3
ADMN 272	Commercial Law	On Campus	3
ADMN 286	Human Resource Management	On Campus	3
ADMN 293	Electronic Commerce	On Campus	3
ADMN 308	Multicultural Management	On Campus	3
Total			15

SEMESTER 4

Course	Name		Credit
ADMN 296	International Business	On Campus	3
ADMN 297	Developing a Business Plan	On Campus	3
ADMN 399	Directed Studies Business	On Campus	3
ADMN 315	Leadership	On Campus	3
ELECTIVE 001	3 Credit Elective	On Campus	3
Total			15

LENGTH OF STUDY:

Two Years

ACCREDITATION:

Post-Graduate Diploma

CAMPUS:

Castlegar Campus

Program Summary

Build on your education and life experience with the Post-Graduate Diploma in Business Administration.

Business specialists such as human resource managers, marketing professionals, accountants, and entrepreneurs are among Canada's top 10 highest paid personnel. The Post-Graduate Diploma in Business Administration offers international students the opportunity to complement and build on their previous education and work experience.

YOU'LL BENEFIT FROM

The two-year Post-Graduate Diploma in Business Administration will provide you with the knowledge and skills necessary to launch your business career in Canada. This Post-Graduate Diploma 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 Diploma in Business Administration requirements:

ACADEMIC

- Completion of a 2-year college 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 a grade of C+ or higher, or IELTS 6.5 overall band score, or equivalent on other internationally recognized English Language Proficiency Tests. Learn more about the accepted international language test scores at <http://selkirk.ca/international/how-apply-selkirk-college/english-language-proficiency>.

Year 1 - Winter Intake

SEMESTER 1

Course	Name		Credit
ADMN 171	Management Principles	On Campus	3
ADMN 181	Marketing	On Campus	3
COMM 240	Financial Accounting I	On Campus	3
ECON 107	Principles of Microeconomics	On Campus	3
MATH 125	Business Mathematics	On Campus	3
Total			15

SEMESTER 2

Course	Name		Credit
ADMN	Post-Graduate Business Option	On Campus	3
COMM 220	Principles of Organizational Behaviour	On Campus	3
COMM 241	Financial Accounting II	On Campus	3
ECON 106	Principles of Macroeconomics	On Campus	3
TWC 164	Introduction to Report and Letter Writing	On Campus	3
Total			15

Year 2 - Winter Intake

SEMESTER 4

Course	Name		Credit
ADMN	Post-Graduate Business Option	On Campus	3
ADMN 230	Project Management	On Campus	3
ADMN 286	Human Resource Management	On Campus	3
ADMN 293	Electronic Commerce	On Campus	3
ELECTIVE 001	3 Credit Elective	On Campus	3
Total			15

SEMESTER 3

Course	Name		Credit
ADMN 296	International Business	On Campus	3
ADMN 297	Developing a Business Plan	On Campus	3
ADMN 315	Leadership	On Campus	3
ADMN 399	Directed Studies Business	On Campus	3
TWC 165	Oral Presentations and Skills Training	On Campus	3
Total			15

- Foundations of 11 with a grade of “C+” or better or equivalent. Applicants who cannot demonstrate Math prerequisites can upgrade their math skills during the first semester of the Post Graduate Diploma. All applicants will be required to take an assessment test, which will be used to assess an applicant’s math skills and to determine what upgrading courses are required.

Important Dates

WINTER 2015

- March 26 - Business Competition (Tenth Annual)

For International students, in general, our application deadlines are as follows:

- April 15 for September start dates
- September 15 for January start dates
- February 15 for May start dates

Please consult with the Citizen and Immigration Canada (CIC) website for approximate study permit processing time for your country to ensure that your application is received with adequate time for processing by Selkirk College and CIC

Program Courses

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: Program admission standards.

COMM 240 – FINANCIAL ACCOUNTING I

The Business Administration Financial Accounting I course 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: Grade 10 or equivalent.

TWC 164 – INTRODUCTORY REPORT AND LETTER WRITING

This course is an introduction to the fundamentals of effective oral and written communication. Components included are communication theory and its application to business situations. The emphasis is on basic skills/techniques and covers a review of English writing skills and simple technical formats such as memos, business letters, and basic report writing, as well as short oral assignments. The course concludes with theory and practice in Job Search Skills and Strategies.

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

ECON 106 – PRINCIPLES OF MACROECONOMICS

Topics covered include: 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.

MATH 125 – BUSINESS MATHEMATICS

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: Foundations of Math 11 or equivalent with grade of "C+" or better, or written permission of the Instructor and School Chair.

COMM 241 – FINANCIAL ACCOUNTING II

The Business Administration Financial Accounting II course is the next 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.

Year 1 - Spring Intake

This intake requires five semesters of studies, as opposed to four semesters with our fall and winter intakes.

SEMESTER 1

Course	Name		Credit
ECON 107	Principles of Microeconomics	On Campus	3
TWC 164	Introduction to Report and Letter Writing	On Campus	3
Total			6

SEMESTER 2

Course	Name		Credit
COMM 220	Principles of Organizational Behaviour	On Campus	3
COMM 240	Financial Accounting I	On Campus	3
ECON 106	Principles of Macroeconomics	On Campus	3
MATH 125	Business Mathematics	On Campus	3
Total			12

SEMESTER 3

Course	Name		Credit
ADMN 171	Management Principles	On Campus	3
ADMN 181	Marketing	On Campus	3
COMM 241	Financial Accounting II	On Campus	3
TWC 165	Oral Presentations and Skills Training	On Campus	3
Total			12

Year 2 - Spring Intake

SEMESTER 4

Course	Name		Credit
ADMN 230	Project Management	On Campus	3
ADMN 272	Commercial Law	On Campus	3
ADMN 286	Human Resource Management	On Campus	3
ADMN 293	Electronic Commerce	On Campus	3
ADMN 308	Multicultural Management	On Campus	3
Total			15

SEMESTER 5

Course	Name		Credit
ADMN 296	International Business	On Campus	3
ADMN 297	Developing a Business Plan	On Campus	3
ADMN 399	Directed Studies Business	On Campus	3
ADMN 315	Leadership	On Campus	3
ELECTIVE 001	3 Credit Elective	On Campus	3
Total			15

POST-GRADUATE DIPLOMA IN **BUSINESS ADMINISTRATION**

selkirk.ca/program/post-graduate-diploma-business-tourism-management

ECON 107 – **PRINCIPLES OF MICROECONOMICS**

Usually taken following Economics 106. 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 B labour unions, productivity.

Pre-requisites: ENGL 12 or equivalent with a grade of "C" or better.

ADMN 171 – **MANAGEMENT PRINCIPLES**

An introduction to management theory, philosophy and techniques including the specialized areas of entrepreneurship, small business, and hospitality and service industries.

Pre-requisites: COMM 220 is recommended.

ADMN 181 – **MARKETING**

This course 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.

TWC 165 – **ORAL PRESENTATIONS AND SKILLS TRAINING**

This course focuses on complex oral and written communication. Material covered includes newsletters, formal reports, brochures, persuasive messages, public presentations, and decision making in small groups.

Pre-requisites: TWC 164 or ENGL 110.

ADMN 286 – **HUMAN RESOURCE MANAGEMENT**

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. The essential premise of Human Resources Management is that an organization's employees are its most vital asset in the accomplishment of its goals.

Pre-requisites: COMM 220 or permission of the instructor.

ADMN 272 – **COMMERCIAL LAW**

This course 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 contracts including their formation, impeachment, breach, assignment and discharge. Agency will also be discussed as well as various federal and provincial statutes.

Pre-requisites: Program admission standards.

ADMN 230 – **PROJECT MANAGEMENT**

Students acquire a solid understanding of project management methods and gain practical experience in proven project management techniques and discover a wealth of valuable, flexible tools that can be implemented to ensure the success of any project in any type of organization. Managing Projects gives you the foundation, experience, techniques and tools to: Manage each stage of the project life cycle, work within organizational and cost constraints, set goals tied directly to stakeholder needs, get the most from your project management team, and utilize state-of-the-art project management tools to get the work done on time and within budget.

Pre-requisites: Math 12 or equivalent.

ADMN 293 – **ELECTRONIC COMMERCE**

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, COMM 241.

ADMN 296 – **INTERNATIONAL BUSINESS**

ADMN 296 offers an in-depth review of basic concepts, institutional practices and developments in the global business environment. This course also offers an introduction to international business management. Core management topics will be examined within an international framework.

Pre-requisites: None, but an Introductory Marketing course is recommended.

ADMN 297 – **DEVELOPING A BUSINESS PLAN**

This course examines the details and components of a comprehensive business plan. Business plans are a written analysis of what a business hopes to accomplish and how it intends to organize its resources to achieve those goals. Students will produce a business plan with the objective of using the plan as a vehicle for operating a business and measuring progress toward goals.

Pre-requisites: ADMN 181, COMM 241 or equivalent.

ADMN 399 – **DIRECTED STUDIES BUSINESS**

Directed studies involve 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: Successful completion of first year of the program or instructor approval.

ELECTIVE 001 – **3 CREDIT ELECTIVE**

3 Credit elective course. Please view the UAS Course List for available options.

Post-Graduate Diploma in **Hospitality Management**

selkirk.ca/program/post-graduate-diploma-hospitality-management

Year 1

Students must choose to take RHOT 150-3 Tourism: An Industry Perspective or RHOT 270-3 Convention, Sales, and Catering Service in the fall semester. Total credits in the fall semester are 15.

SEMESTER 1

Course	Name		Credit
RHOT 150	Tourism: An Industry Perspective	On Campus	3
RHOT 159	Business Communication	On Campus	3
RHOT 162	Supervisory Food and Beverage Service	On Campus	3
RHOT 250	Hospitality Marketing I	On Campus	3
RHOT 259	Business Communications II	On Campus	3
RHOT 270	Convention, Sales and Catering Services	On Campus	3
Total			18

SEMESTER 2

RHOT 153	Organizational Leadership for the Resort Industry	On Campus	3
RHOT 161	Accommodations	On Campus	4
RHOT 164	Food and Beverage Cost Controls	On Campus	3
RHOT 254	Hospitality Human Resources Management	On Campus	3
RHOT 272	Hospitality Law	On Campus	3
Total			16

SEMESTER 3

RHOT 171	Work Term	On Campus	0
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Year 2

SEMESTER 1

Course	Name		Credit
ADMN 230	Project Management	On Campus	3
ADMN 293	Electronic Commerce	On Campus	3
ADMN 308	Multicultural Management	On Campus	3
COMM 240	Financial Accounting I	On Campus	3
MATH 125	Business Mathematics	On Campus	3
Total			15

SEMESTER 2

ADMN 171	Management Principles	On Campus	3
ADMN 315	Leadership	On Campus	3
ADMN 399	Directed Studies Business	On Campus	3
COMM 241	Financial Accounting II	On Campus	3
ECON 107	Principles of Microeconomics	On Campus	3
Total			15

ELECTIVES

ADMN 250	Managerial Accounting	On Campus	3
ADMN 295	Business Policy	On Campus	3
ADMN 297	Developing a Business Plan	On Campus	3

LENGTH OF STUDY:

Two Years

ACCREDITATION:

Post-Graduate Diploma

CAMPUS:

Castlegar Campus

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. This Diploma begins with a first year focus on hospitality courses at the Tenth Street Campus in Nelson. The second year includes core business courses in the areas of Accounting, Management, Marketing and Economics, and takes place at the Castlegar Campus.

COURSES

First year courses (Nelson) include

- Hospitality Marketing
- Convention, Sales, and Catering Service
- Accommodation Management
- Cost controls
- Hospitality HR Management
- Hospitality Law

Second year courses (Castlegar) include

- Project Management
- E-commerce
- Financial Accounting
- Multicultural Management
- Business Policy
- Developing a Business Plan
- Managerial Accounting

For a full list of courses, please select courses and fees, year 1 and 2.

POST-GRADUATE DIPLOMA IN HOSPITALITY MANAGEMENT

selkirk.ca/program/post-graduate-diploma-business-tourism-management

PAID WORK TERM

First year courses are held on the Tenth Street Campus in Nelson, and second year courses are held on the Castlegar Campus. Public transportation is available between Nelson and Castlegar, or students may choose to live in Castlegar for the second year.

The Post Graduate Diploma in Hospitality Management includes a paid 4-month work term from May-August. 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.

Admission Requirements

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-year diploma or Bachelor's degree from a recognized English speaking post-secondary institution.
- English 12 with a grade of C+ or higher, or IELTS 6.5 overall band score, or equivalent on other internationally recognized English Language Proficiency Tests. Learn more about the accepted international language test scores at <http://selkirk.ca/international/how-apply-selkirk-college/english-language-proficiency>.
- Foundations of Math 12 or Pre-calculus 11 with a grade of "C+" or better or equivalent. Applicants who cannot demonstrate Math prerequisites can upgrade their math skills during the first semester of the Post Graduate Diploma. All applicants will be required to take an assessment test, which will be used to assess an applicant's math skills and to determine what upgrading courses are required.
- Principles of Math 12 and at least one Science 11 are recommended.

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.

PART-TIME STUDY

- Part time students may be admitted to classes where space permits. However, only full-time students are eligible for Co-op work term experiences.
- Subject to space limitations and prerequisites, students who wish to take fewer than the maximum number of courses in any semester may do so.

Program Courses

ADMN 171 - MANAGEMENT PRINCIPLES

Management Principles is an introduction to management theory, philosophy and techniques including the specialized areas of entrepreneurship, small business, and hospitality and service industries.

Pre-requisites: COMM 220 is recommended.

ADMN 230 - PROJECT MANAGEMENT

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: Math 12 or equivalent.

ADMN 250 - MANAGERIAL ACCOUNTING

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.

ADMN 293 - ELECTRONIC COMMERCE

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, COMM 240/241.

ADMN 295 - BUSINESS POLICY

Business Policy is a capstone course integrating the varied disciplines in business including accounting and finance, marketing, operations, economics, forecasting, and management philosophies into a comprehensive knowledge base which becomes a foundation for strategic planning. Analysis of business cases is a core component of the course.

Pre-requisites: ADMN 181, COMM 240/241 or equivalent.

ADMN 297 - DEVELOPING A BUSINESS PLAN

Developing a Business Plan examines the process of researching and developing a business plan. A business plan provides a comprehensive frame work 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 181, COMM 241 or equivalent.

ADMN 308 - MULTICULTURAL MANAGEMENT

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 behaviour, 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: Successful completion of first year of the program or successful completion of two years in a different post-secondary program subject to approval by School Chair/Instructor.

ADMN 315 - LEADERSHIP

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: Successful completion of first year of the program or successful completion of two years in a different post-secondary program subject to approval by School Chair/Instructor.

ADMN 399 - DIRECTED STUDIES BUSINESS

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: Successful completion of first year of the program or instructor approval.

COMM 240 - FINANCIAL ACCOUNTING I

Financial Accounting I course 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: Grade 10 or equivalent.

COMM 241 - FINANCIAL ACCOUNTING II

Financial Accounting II is the next 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 107 - PRINCIPLES OF MICROECONOMICS

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

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: Foundations of Math 11 or equivalent with grade of "C+" or better, or written permission of the Instructor and School Chair.

RHOT 150 - TOURISM: AN INDUSTRY PERSPECTIVE

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 FOR THE RESORT INDUSTRY

This course explores how individuals function effectively in organizations by examining behaviour from individual, small group, inter-group and organizational perspectives. A participatory model using experiential exercises illustrates how groups help or hinder the organization. Topics include: communication models, strategies for effective leadership, leadership styles, motivational techniques, group dynamics and behaviour, stress management, delegation, organizational 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 COMMUNICATION

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 161 - ACCOMMODATIONS

This course introduces the learner to the principles of managing the accommodation facility of a hotel or resort. The guest cycle, beginning with the reservation request through to final accounting documentation is covered. Other topics include types of lodging, current trends in guest services, competitive tactics, condominium and timeshare operations, security and safety issues and contingency plans for emergency situations.

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 164 - FOOD AND BEVERAGE COST 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.

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

POST-GRADUATE DIPLOMA IN HOSPITALITY MANAGEMENT

selkirk.ca/program/post-graduate-diploma-business-tourism-management

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 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 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 - HOSPITALITY MARKETING I

The roles and functions of marketing in the hospitality/tourism industry are examined. The principles of customer service excellence and service recovery are discussed in detail. Students are lead through the five steps of the marketing planning process discovering how the "nine P's" are used in the marketing of tourism products and services. Students will learn how to conduct a situational analysis, the role of marketing segmentation practices, consumer behaviour and motivation, the five components of the Promotional mix in depth.

RHOT 254 - HOSPITALITY HUMAN RESOURCES MANAGEMENT

Human resources management has a profound effect on the success of tourism operations. This course focuses on the critical issues that concern managers in the tourism and hospitality industries topics include: human resources development, recruiting and hiring the right people, appraisal procedures, challenges and trends and employment standards.

RHOT 259 - BUSINESS COMMUNICATIONS II

Managers typically spend more than 75% of their workdays involved in interpersonal communication and increasingly in situations with cross-cultural considerations. Thus, it is crucial that future managers understand advanced communications theories and practices that can be engaged at the intrapersonal, interpersonal, intergroup, intragroup, organizational, cultural, and external levels. Topics include persuasion techniques, critical thinking skills, nonverbal communication, constructive questioning, effective meeting structure, how to conduct impactful workshops, communication psychology, emotional intelligence, lobbying, business proposals, and decision making, and more.

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 study both theoretical and practical aspects of communicating with people from different cultures be they generational, societal, or ethnic. 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. Discussions and video components assist students in developing the skills necessary to succeed in the hospitality industry.

RHOT 270 - CONVENTION, SALES AND CATERING SERVICES

Convention and meeting business is a significant part of the resort and hotel business. This course provides insight into the scope and various segments of the convention and banquet market and shows the relationship between professional service and operational success. The students will learn how to sell and service the convention and banquet business to ensure successful events.

RHOT 272 - HOSPITALITY LAW

This course outlines Canadian law applicable to the hospitality industry. The course material 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 definition of hotels and related establishments, hotel bookings, the common law of contract, reception and safety of guests and their property, property law dealing with the sale of goods, human rights, working conditions and labour relations, and insurance and ownership relations.

Post Graduate Diploma in Gerontological Nursing

selkirk.ca/program/post-graduate-diploma-gerontology

Year 1

SEMESTER 1

Course	Name		Credit
ENGLISH	English Requirement: ENGL 110 or EASL 066	On Campus	3
GNUR 399	College Orientation	On Campus	2
GNUR 401	Contemporary Issues in Gerontology	On Campus	3
GNUR 403	Interpersonal Communications	On Campus	3
GNUR 412	Professional Nursing in the Canadian Health Care System	On Campus	3
Total			14

SEMESTER 2

Course	Name		Credit
GNUR 500	Introduction to Gerontological Nursing	On Campus	3
GNUR 503	Delirium, Dementia and Depression in the Elderly	On Campus	3
GNUR 504	Nursing Lab â Physical Assessment and Basic Skills	On Campus	3
GNUR 511	Physical Aging and Chronic Disease Management: Part I	On Campus	3
GNUR 520	Nursing Practice: Complex Care	Practicum	5
Total			17

Year 2

SEMESTER 3

Course	Name		Credit
GNUR 411	Introduction to Nursing Leadership	On Campus	3
GNUR 505	Advanced Pharmacology in Canada	On Campus	3
HSER 255	Professional Foundations for Human Services	On Campus	3
HSERELEC	Human Services Elective: ADD 184 or PSYC 100	On Campus	3
GNUR 512	Physical Aging and Chronic Disease Management: Part II	On Campus	3
Total			15

SEMESTER 4

Course	Name		Credit
GNUR 501	Psychosocial Issues Impacting Aging	On Campus	3
GNUR 508	Nursing Lab - Advanced Clinical Skills & Wound Care	On Campus	3
GNUR 514	End-of-Life Care	On Campus	3
GNUR 525	Nursing Practice in Acute Care	Practicum	5
Total			14

LENGTH OF STUDY:

Two 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% 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 Leadership 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.

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

Seminars and occasional class interaction will provide added opportunity for an exchange of ideas and nursing expertise.

POST GRADUATE DIPLOMA IN GERONTOLOGICAL NURSING

selkirk.ca/program/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 Leadership in Gerontological Nursing Post-Graduate Diploma requirements.

- B.Sc. Nursing degree / GNM Diploma from a recognized nursing school with English as a primary language of instruction
- Registration with a national/provincial/state nursing association
- Minimum of one year nursing experience
- IELTS 6.5 overall with no band score lower than 6.0
- One letter of reference from current or previous employer
- Resume / CV
- Completed immunization forms

Important Dates

WINTER 2015

- Semester 2: January 5 - 10
- Semester 3: September 2 - December 4

WINTER 2016

- Semester 4: January

Program Courses

ENGLISH REQUIREMENT: ENGL 110 OR EASL 066

ENGL 110 - COLLEGE COMPOSITION

This course 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

Or

EASL 066 - COLLEGE PREPARATION - RESEARCH WRITING

This 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.

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 - INTERPERSONAL COMMUNICATIONS

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 health care system.

GNUR 412 - PROFESSIONAL NURSING IN THE CANADIAN HEALTH CARE 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 lens 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 IN CANADA

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 regime 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 - ADVANCED CLINICAL SKILLS & WOUND CARE

This class will provide the learner with opportunities to integrate existing and emerging knowledge and application of program concepts as they relate to the older adult. The learner will further develop a process for analyzing and understanding a variety of complex health challenges through performing advanced assessment skills and demonstrating more complex practice skills. The simulation suite will be utilized to expand the learning experience.

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- I (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 - NURSING PRACTICE: 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 ACUTE CARE

This supervised practice experience provides students with an opportunity to apply knowledge and skills from all courses in the program to-date when providing care to older adults in an acute care setting. This learning experience provides an opportunity for students to explore the transition to professional nursing in Canada and prepare for the assessment and registration processes required by national and provincial regulatory bodies.

HSER 255 - PROFESSIONAL FOUNDATIONS FOR HUMAN SERVICES

The foundations of human services professional practices are explored through an examination of the issues surrounding professional identity, ethical practice, and the interdisciplinary team approach. The skills required for communicating as a professional and as a team member, both oral and written, are developed throughout the course.

Pre-requisites: HS Certificate or Instructor's permission.

HUMAN SERVICES ELECTIVE: ADD 184 OR PSYC 100

ADD 184 - INTRODUCTION TO ADDICTION

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.

OR

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.

Psychology

selkirk.ca/program/psychology

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.

SEMESTER 1

Course	Name		Credit
ENGL 110	College Composition	On Campus	3
PSYC 100	Introductory Psychology I	On Campus	3
MATH SCI	Mathematical Science Elective for Arts	On Campus	3
HUMANITIES	Humanities Elective	On Campus	3
SOC SCI	Social Science Elective	On Campus	3
Total			15

SEMESTER 2

Course	Name		Credit
ENGLISH	English Requirement: ENGL 111 or ENGL 114	On Campus	3
PSYC 101	Introductory Psychology II	On Campus	3
LAB SCI	Laboratory Science Elective	On Campus	3
HUMANITIES	Humanities Elective	On Campus	3
SOC SCI	Social Science Elective	On Campus	3
Total			15

Year 2

SEMESTER 3

Course	Name		Credit
PSYC 200	Biological Psychology	On Campus	3
PSYCHOLOGY	Psychology Requirement: PSYC 230 or PSYC 240	On Campus	3
ARTS II	Second Year Arts Breadth Requirement (Excluding Discipline)	On Campus	3
OPEN SCI	Science Elective	On Campus	3
UAS ELECT	General UAS Elective	On Campus	3
Total			15

SEMESTER 4

Course	Name		Credit
PSYC 202	Research Methods	On Campus	3
PSYCHOLOGY	Psychology Requirement: PSYC 231 or PSYC 241	On Campus	3
ARTS II	Second Year Arts Requirement (Including Discipline)	On Campus	3
UAS ELECT	General UAS Elective	On Campus	3
UAS ELECT	General UAS Elective	On Campus	3
Total			15

LENGTH OF STUDY:

Two 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

AVAILABLE 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 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 few careers within 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. Other prerequisites depend on the electives chosen to complete the program. 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

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.

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.

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

The 112/114 sequence is focused on the interpretation of literature.

HUMANITIES ELECTIVE

Students have the choice of any course from the list of 100 or 200 level Humanities courses offered by Selkirk.

- English
- French
- History

- Peace Studies
- Spanish
- Creative Writing

A foreign language is recommended.

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.

- 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.

PSYCHOLOGY

selkirk.ca/program/psychology

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 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.

Prerequisites: 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 PSYC 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, 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.

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 at <http://www.bctransferguide.ca> 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: rwalker@selkirk.ca

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

DAVID FELDMAN
School Chair, UAS, Instructor, Mathematics
Phone: 1.888.953.1133 ext 21331
Direct: 250.365.1331
Email: dfeldman@selkirk.ca

**FOR UNIVERSITY ARTS & SCIENCES
COURSE DESCRIPTIONS:**

see page 261

Recreation, Fish & Wildlife

selkirk.ca/rfw

Year 1

SEMESTER 1

Course	Name		Credit
ENVR 150	Hydrology I	On Campus	3
ENVR 160	Surveying and Field Measurements	On Campus	4
ENVR 162	Applied Botany and Ecosystem Classification	On Campus	3
ENVR 164	Soil and Earth Sciences	On Campus	3
ENVR 190	Computer Applications I	On Campus	1
MATH 160	Technical Math Review	On Campus	3
TWC 150	Introduction to Technical Communications I	On Campus	3
Total			20

SEMESTER 2

Course	Name		Credit
ENVR 154	Maps and Navigation	On Campus	2
ENVR 158	Introduction to Geomatics	On Campus	2
ENVR 163	Terrestrial Ecology and Biology	On Campus	4
ENVR 170	Fish and Wildlife Ecology	On Campus	3
MATH 190	Resource Statistics I	On Campus	3
TWC 151	Introduction to Technical Writing and Communications II	On Campus	3
RFW 255	Spring Field School	On Campus	2
Total			19

LENGTH OF STUDY:

Two Years

ACCREDITATION:

Diploma

CAMPUS:

Castlegar Campus

protected areas. The dedicated individual, with adequate motivation and an interest in a very competitive field, can develop a rewarding career in recreation, fisheries or wildlife management.

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.

CURRICULUM ADVISORY

The curriculum for this program is developed in consultation with the Program Advisory Committee (PAC). The PAC membership includes people who hire our students and many are past graduates. Organizations currently having representatives on the committee include: British Columbia conservation service, private consultants, and government agencies. The PAC meets regularly, and their feedback may result in changes to the program.

Admission Requirements

Program staff are committed to help students preparing for admission into the program. In addition to meeting the general entrance requirements for admission to Selkirk College, an applicant must meet the following School of Environment & Geomatics program requirements: Please note in the chart below, the new math requirements for students entering Grade 10 in the 2014/15 school year.

Program Summary

There is an ever growing need for skilled RFW technicians 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 Technicians, and Recreation Technicians. 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

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 focus of the Recreation, Fish and Wildlife Program is to provide relevant learning experience for individuals seeking careers in parks, forest recreation, fish and wildlife management, conservation or commercial recreation. The emphasis of the program is in the growing field of recreation and tourism, and fish and wildlife management in the working forest and in



MINIMUM REQUIREMENTS

- Principles of Math 11 with a grade of “C+” or better, or Applications of Math 11 with a grade of “B” or better.

RECOMMENDED REQUIREMENTS

- Principles of Math 11 with a grade of “C+” or better

MATH REQUIREMENTS (AS OF SEPTEMBER 2013)

- Foundations 11 with a grade of “C+” or better.

HIGH SCHOOL GRADUATES

Completion of senior secondary school graduation (or equivalent) with the following courses or their equivalents.

- Biology 11 C+
- Principles of Math 11 C+
- English 12 C+

MATURE STUDENTS

- Mature student entry is possible without secondary school completion but mature applicants must have BIOL 11 or 12 and ENGL 12, or equivalent courses with a “C+”, and Principles of MATH 11 with a “C+”.
- Applicants may be required to complete preparatory modules in mathematics, writing and computers, where identified by the school.

In individual cases, related work experience can be considered in the application process at discretion of the School Chair.

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.

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 MS Word / MS Excel / and the Internet.

For any questions related to prerequisites and support, please contact the School Chair.

Careers

Graduates are immediately employable and have developed careers such as: Park Wardens, Park Rangers, parks planning technicians, environmental interpreters, outdoor recreation technicians, fish and wildlife technicians, Recreation Resource Officers, Fisheries Officers, and resource management technicians with private sector firms. Many graduates

Year 2

SEMESTER 4

Course	Name		Credit
RFW 200	Field Trip Study	On Campus	1
RFW 256	Backcountry Risk Analysis and Mitigation I	On Campus	3
RFW 262	Ecosystem-Based Management	On Campus	3
RFW 263	Outdoor Recreation Operations and Management	On Campus	4
RFW 272	Techniques in Wildlife Management I	On Campus	3
RFW 280	Techniques in Aquatics and Fisheries I	On Campus	4
ENVR 290	Computer Applications in Resource Management	On Campus	2
Total			20

SEMESTER 5

Course	Name		Credit
ENVR 250	Aboriginal Peoples and Environmental Management	On Campus	3
RFW 251	Environmental Legislation and Policy	On Campus	2
RFW 257	Backcountry Risk Analysis and Mitigation II	On Campus	3
RFW 265	Commercial Recreation Management	On Campus	3
RFW 271	Applied Research Project	On Campus	1
RFW 273	Techniques in Wildlife Management II	On Campus	3
RFW 281	Techniques in Aquatics and Fisheries II	On Campus	3
Total			18

find work with consulting firms who serve the diverse resource management field. Employment rates in the past few years have been over 75% for graduates working in the field of Recreation, Fish and Wildlife within two months of graduation.

DEGREE AND DIPLOMA 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.

There is a long standing tradition of our graduates transferring and successfully completing university degrees. Selkirk's Recreation Fish & Wildlife 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: 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 Co-operative Education (CAFCE) and in consultation with federal and provincial government agencies.

CO-OP EDUCATION WORK-STUDY SEQUENCE:

Sept-Dec	Jan-Apr	May-Aug
Study Term 1	Study Term 2	Co-op Ed Work Term
Study Term 3	Study Term 4	Co-op Ed Work Term
Co-op Ed Work Term	Study Term 5 University Bridging	

FOR MORE INFORMATION PLEASE CONTACT:

BRENDA SMITH

Manager, Co-op Education and Employment Services
301 Frank Beinder Way
Castlegar, BC, V1N 4L3
email: Brenda.Smith
Tel: 250.365.1280
Fax: 250.365.1218

Application Information

Download the Recreation, Fish and Wildlife Application Package at <http://selkirk.ca/program/rfw/application-information>

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.

Program Courses

ENVR 150 - HYDROLOGY I

This course is an introductory study of water in our environment including its properties, the natural processes which affect it, climate and weather, and practical experience in the collection and analyses 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 AND FIELD MEASUREMENTS

This course covers 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 basics of Botany and Ecosystem Classification. Botany lectures will focus on plant classification, botanical terms, plant morphology, and plant physiology. Topics include: plant cells, tissues, and organ structure and function, photosynthesis and respiration transpiration and translocation. During botany labs, students will learn to identify about 100 native plants commonly found in the West Kootenay Region of BC. Ecology lectures will focus on ecosystem classification using the Biogeoclimatic Ecosystem Classification System (BEC) of BC. Other key topics include the study of climatic factors and climate change, disturbance and succession, and landscape 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.

ENVR 250 - ABORIGINAL PEOPLES AND ENVIRONMENTAL MANAGEMENT

This course introduces students to the Aboriginal peoples of Canada and their role in resource management. Topics will include Aboriginal cultures, languages and governance, history since contact

RECREATION, FISH & WILDLIFE

selkirk.ca/rfw

and the Indian Act, Aboriginal rights and associated landmark court cases, BC treaty process and interim agreements, the Heritage Conservation Act, and working effectively with Aboriginal peoples. In addition, from a Traditional Ecological Knowledge perspective, learners will engage in team-lead projects involving ecosystem-based management, sustainable management, and environmental management systems. This course involves a team-based model of learning and active participation in scenarios and round table discussions.

ENVR 290 - COMPUTER APPLICATIONS IN RESOURCE MANAGEMENT

This course introduces computer applications most commonly used in the resource management industry. Instruction includes digital mapping with RoadENG and ArcGIS 9 incorporating local and provincial data. Topics such as traverse reduction, map assembly and display, and data transfer are covered. GIS file management, basic data translation and data analysis are covered through hands-on exercises, as data is manipulated and displayed using these software tools. Students will emerge from this course with a set of GIS skills.

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

During the Fall of the 3rd semester, second year RFW students participate in field-based studies away from the Castlegar Campus. Two 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.

RFW 251 - ENVIRONMENTAL LEGISLATION AND POLICY

This course provides an overview of the environmental legislation used in resource management in British Columbia. The course begins with an introduction to statute law and the court system, and progresses to interpreting specific environment acts, regulations and policies. There is a strong focus on research skills. Local case studies are used when possible.

RFW 255 - SPRING FIELD SCHOOL

During a two-week course in the spring, students gain practical skills directly related to their field of studies. Activities may include electro-fishing, flat-water canoeing, and wildlife enhancement. Scheduled after final exams in late April (ten days, seventy hours).

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.

RFW 257 - BACKCOUNTRY RISK ANALYSIS AND MITIGATION II

This course 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 identify and analyze avalanche terrain and site-specific snowpack characteristics for the risk of human and structural exposure to snow avalanches. Topics include winter travel, 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.

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.

RFW 263 - OUTDOOR RECREATION OPERATIONS AND MANAGEMENT

This course is designed to prepare the student for employment in the field of outdoor recreation, particularly parks. The variety of organizations 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.

RFW 265 - 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. Particular attention is paid to the current policies and regulations governing commercial recreation in the province. Additional skills and knowledge related to contract management, developing and evaluating project proposals will be developed.

RFW 271 - APPLIED RESEARCH PROJECT

This course is a guided independent study of an environmental management topic suitable to the field of study. Learners are required to prepare a project proposal and data collection schedule in consultation with a faculty advisor. Research techniques using library and online resources are required as well as accurate data collection and synthesis. This course culminates with the submission of a technical report

Refrigeration Plant Operator

selkirk.ca/program/refrigeration-plant-operator

LENGTH OF STUDY:

Seven Months

ACCREDITATION:

Certificate

CAMPUS:

Silver King Campus

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 all printed materials. If necessary, a two month extension can be granted for an additional charge of \$200.

Admission Requirements

READY TO APPLY?

- 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.

REFRIGERATION OPERATOR

"A refrigeration operator's certificate of qualification entitles the holder to be a person in charge of any type and size of refrigeration plant." -From Safety Standards Act Power Engineers, Boiler, Pressure Vessel & Refrigeration Safety Regulation

Contacts

COMMUNITY EDUCATION
& WORKPLACE TRAINING
Phone: 866.301.6601 x13220 ext 13266
Direct: 250.354.3220
Fax: 250.352.3180
Email: code@selkirk.ca

ADMISSIONS

Silver King Campus, Nelson
Phone: 250.352.6601 ext 13220
Direct: 250.354.3220

BRUCE MCMASTER

Instructor
Phone: 250.352.6601 ext 13235
Direct: 250.354.3235
Fax: 250.352.3180
Email: bcmaster@selkirk.ca

INDUSTRY & TRADES

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

Program Summary

You'll be in high demand and enjoy global career opportunities providing and maintaining important technical processes in buildings and industrial plants.

Our Refrigeration Plant Operator certificate gives you flexibility to enrol anytime and finish your coursework at your own pace while you continue working.

A comprehensive ten-unit course approved by the BC Safety Authority taught entirely through distance education and online learning. This course is one of the requirements needed to challenge the Refrigeration operator's certificate of qualification. BCSA Refrigeration Operator examination as set forth by the Standardization of Power Engineers Examination Committee of Canada (SOPEEC). The practical qualifying experience is described in the B.C. Power Engineers, Boiler, Pressure vessel and Refrigeration Safety Regulation (BCSA).

REFRIGERATION PLANT OPERATOR PRACTICAL COMPETENCY TASKS

Tasks and demonstrations listed are minimum a Refrigeration Plant Operator Power Engineer trainee level.

The candidate is expected to be able to answer examination questions as they relate to the equipment they have gained refrigeration plant experience on (candidate must have access to plant) including:

Schematic flow diagrams of systems including:

- Types of compressors used
- Compressor size
- Compressor capacities
- Pressures and temperatures and Methods of capacity control.

Safety devices and operational controls installed on systems to ensure safe and efficient operation.

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.

Course of Studies

Course	Name		Credit
RET 100	Renewable Energy Readings	On Campus	1
RET 105	Applications of Renewable Energy	On Campus	3
RET 110	Electricity and Heat Transfer	On Campus	2
RET 120	Quantitative Energy Management and Conservation	On Campus	1
RET 130	Technical Field Projects	On Campus	2
Total			9

LENGTH OF STUDY:

Six Weeks

ACCREDITATION:

Advanced Certificate

CAMPUS:

Castlegar Campus

Admission Requirements

PRE-REQUISITES FOR THE ADVANCED CERTIFICATE IN RENEWABLE ENERGY TECHNICIAN:

- Minimum two-year post secondary credential in a Career Technology, Trades, or University Arts and Science Program
- or other credential approved by the program Chair
- English 12 with a C grade
- Principles of Math 11 with a C+ or Math Applications 11 with a B

Important Dates

COURSE HAS BEEN DEFERRED UNTIL MAY 2015.

FOR MORE INFORMATION, PLEASE CONTACT THE SCHOOL CHAIR, Brendan Wilson, (email) bwilson@selkirk.ca, (phone) 250-365-1393.

Careers

Required skills for careers in renewable energy are varied. Selkirk's Certificate in Renewable Energy program puts students on track to follow a variety of pathways to careers in renewable energy. This 6 week certificate prepares students for entry level jobs as support personnel to technicians, technologists, construction industries, engineers, architects, local governments, planners, and other professionals. They may find themselves assisting in the provision of energy audits, planning, installation, advising, public education, site evaluation, and data collection. Graduates will be prepared for continued education or experiential learning to further their skill development and specialization.

PROGRAM DELIVERY AND CONTENT IS BEING REVIEWED FOR SPRING 2015. PLEASE CONTACT THE SCHOOL CHAIR FOR MORE DETAILS.

Program Summary

Global development of energy conservation and renewable energy systems are at an all-time high. As current political, economic and environmental trends continue to converge with advancing technologies, this industry keeps growing, along with its job prospects.

Our Renewable Energy program puts you at the forefront of this rapidly developing trend and ensures you meet employer's expectations to accelerate your career potential. You'll learn about the profound transformation in energy supply and consumption, reduced carbon footprints, the grassroots shift towards energy sustainability and how these trends affect our global society, economy and industries.

COURSE TOPICS

- Applied energy conservation
- Biomass and geothermal properties
- Electricity and electrical fundamentals
- Hydro and micro-hydro energy
- Principles of heat transfer and ground source heat pumps
- Solar photovoltaic, solar thermal and wind energy
- Synthesis of biodiesel

Our instructors guide you through a broad range of renewable energy technologies, combined with hands-on technical training, to prepare you for the current job market.

PROGRAM ELIGIBILITY

This program is an advanced certificate. Eligible applicants include graduates of

- Environmental technology or related diplomas
- Associates of science or second year or higher university environmental science or environmental studies

Mature students with an interest in renewable energy may apply at the discretion of the School Chair.

Additional Information

AN INTRODUCTION

Converging political, economic, and environmental trends coupled with advancing technologies have accelerated global development of renewable energy systems and conservation. Selkirk College's Advanced Certificate in Renewable Energy program is for the individuals who wish to learn more about the grassroots shift towards energy sustainability and reduced carbon footprint. Our program is also for members of organizations desiring to learn more regarding the profound transformation in energy supply and consumption, and its social, economic and operational implications.

THE PROGRAM

The 6-week Advanced Certificate in Renewable Energy program provides a comprehensive introductory education to renewable energy and conservation. During the six week semester, students complete a sequence of courses that help build a solid foundation and awareness of the diverse renewable energy technologies including: hydro electricity, solar photovoltaic, solar thermal, wind, geothermal, and biomass. Students receive an introduction to applied energy conservation, electrical fundamentals, principles of heat transfer and electronic controls.

RENEWABLE ENERGY

selkirk.ca/program/renewable-energy

Application Information

Download the Renewable Energy Application Package at <http://selkirk.ca/program/renewable-energy/application-information>

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.

Program Courses

RET 100 - RENEWABLE ENERGY READINGS

Is a self-paced distance education course. Students are required to read a selection of articles and view an online video on renewable energy, energy conservation and sustainability and then complete four short assignments in preparation for the Renewable Energy program. All assignments must be submitted as scheduled prior to the first day of classes. Exact dates of submission are listed on Proposed Course Schedule at the end of this document. The readings cover important background information necessary to successfully complete the Renewable Energy program.

TEACHING METHODOLOGY

RET 100: Renewable Energy Readings is delivered as a self-paced distance education course. It is expected that a student will require 45 hours to complete the readings, to view the videos and to complete the four assignments.

Pre-requisites: Applicants are required to have completed an accredited college-level technology program, or two years of a university environmental science program or equivalent or permission of the School Chair of the School of Environment and Geomatics.

RET 105 - APPLICATIONS OF RENEWABLE ENERGY

Covers energy literacy (what is energy, how is energy quantified, how much energy is required for common tasks and classification of energy as renewable or non-renewable). Primary and secondary energy sources are examined in their economic, social and environmental contexts. Historic and current energy consumption, energy sources, fossil fuel resources and reserves, natural gas exploration "fracking" and flaring, sour gas, off shore drilling, bitumen, shale

oil, coal bed methane extraction, carbon capture and sequestration, hydro electric energy, solar photovoltaic energy, solar thermal energy, ground source energy, wind energy, nuclear power, biomass, energy conservation and sustainability are discussed.

TEACHING METHODOLOGY

RET 105: Applications of Renewable Energy 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: Applicants are required to have completed an accredited college-level technology program, or two years of a university environmental science program or equivalent or permission of the School Chair of the School of Environment and Geomatics.

RET 110 - ELECTRICITY AND HEAT TRANSFER

Introduces basic principles of electricity and heat transfer as well as associated applied skills. Approximately half of instructional time is allocated for hands-on exercises. Students will study residential electrical and heat transfer systems, safety, system components and their functions, basic installation and testing. Applications of Ohm's Law and fluid mechanics are covered.

TEACHING METHODOLOGY

RET 110: Electricity and Heat Transfer 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: Applicants are required to have completed an accredited college-level technology program, or two years of a university environmental science program or equivalent or permission of the School Chair of the School of Environment and Geomatics.

RET 120 - QUANTITATIVE ENERGY MANAGEMENT AND CONSERVATION

Covers applied energy basics (what is energy, electricity, heat, units, conversions, Ohm's Law, energy density, energy losses and gains and typical residential rates of energy consumption). This course emphasizes quantitative skills relevant to energy conservation. Specific quantitative skills are heat loss calculations; space heating, hot water, lights and appliances loads; energy auditing; use of a blower door; energy conservation and retrofitting techniques; calculating savings with energy conservation retrofits; use of Hot2000 or other validated residential energy modeling software.

TEACHING METHODOLOGY

RET 120 Quantitative Energy Management & Conservation 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: Applicants are required to have completed an accredited college-level technology program, or two years of a university environmental science program or equivalent or permission of the School Chair of the School of Environment and Geomatics.

RET 130 - TECHNICAL FIELD PROJECTS

Allows students to apply their skills by evaluating the design of an existing building to incorporate energy conservation and renewable energy features. This course allocates time to discuss projects and to attend presentations by experts in various renewable energy technologies and energy conservation techniques. The course objectives are for students to acquire a greater appreciation of building construction, construction materials and methods, and to encourage students to plan for maximum energy efficiency within a budget, complete the project within the time allowed, and calculate cost per square foot to build their project.

TEACHING METHODOLOGY

RET 130 Project and Field Trips delivered live using a combination of lecture, laboratory exercises and seminars or presentations by technical experts. This course allows students opportunities to apply and to integrate skills acquired in other renewable energy program courses.

Pre-requisites: Applicants are required to have completed an accredited college-level technology program, or two years of a university environmental science program or equivalent or permission of the School Chair of the School of Environment and Geomatics.

Contacts

KRISTA MANNLE
Admissions Officer
Phone: 250.365.7292 ext 21425
Direct: 250.365.1425
Email: kmannle@selkirk.ca

BRENDAN WILSON
School Chair
Phone: 250.365.7292 ext 21393
Direct: 250.365.1393
Fax: 250.365.1260
Email: bwilson@selkirk.ca

Course of Studies

Year 1

SEMESTER 1

Course	Name		Credit
RHOT 150	Tourism: An Industry Perspective	On Campus	3
RHOT 152	Supervisory Housekeeping and Maintenance	On Campus	3
RHOT 155	Computer Applications	On Campus	3
RHOT 159	Business Communication	On Campus	3
RHOT 162	Supervisory Food and Beverage Service	On Campus	3
RHOT 163	Mixology and Oenology	On Campus	3
Total			18

SEMESTER 2

Course	Name		Credit
RHOT 153	Organizational Leadership for the Resort Industry	On Campus	3
RHOT 161	Accommodations	On Campus	4
RHOT 164	Food and Beverage Cost Controls	On Campus	3
RHOT 172	Kitchen Management/Food Preparation	On Campus	3
RHOT 175	Hospitality Computer Applications	On Campus	3
RHOT 180	Field Trip	On Campus	1
Total			17

SEMESTER 3

Course	Name		Credit
RHOT 171	Work Term	On Campus	0

Year 2

SEMESTER 4

Course	Name		Credit
RHOT 250	Hospitality Marketing I	On Campus	3
RHOT 259	Business Communications II	On Campus	3
RHOT 269	Accounting	On Campus	3
RHOT 270	Convention, Sales and Catering Services	On Campus	3
RHOT 282	Dining Room Management	On Campus	3
Total			15

SEMESTER 5

Course	Name		Credit
RHOT 254	Hospitality Human Resources Management	On Campus	3
RHOT 265	Food Service Management	On Campus	3
RHOT 268	Entrepreneurial Training	On Campus	3
RHOT 272	Hospitality Law	On Campus	3
RHOT 273	Tourism and the Canadian Economy	On Campus	3
Total			15

LENGTH OF STUDY:

Two Years

ACCREDITATION:

Diploma

CAMPUS:

Tenth Street Campus

Program Summary

The Canadian tourism industry has generated over \$78 billion in revenue last year and there is no sign of it slowing down. With the prediction of a substantial rise in employment opportunities, our Resort and Hotel Management (RHOT) program will set you up with the skills to need to launch a career in this dynamic industry.

GLOBAL CAREERS

Our program teaches you solid business, human resources, leadership and marketing skills that will help to launch your career in the challenging 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% 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 B.C. 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.

RHOT FROM THE STUDENT PERSPECTIVE

In this student-made video, RHOT students and faculty discuss the benefits of this program.

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.

The guiding principle of the Resort and Hotel Management program is student centred involvement through 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.

BECOME PROFICIENT IN

- Management accounting
- Tourism
- Organizational leadership
- Business communications
- Hotel and resort management
- Food and beverage management
- Event planning
- Selkirk's Resort and Hotel Management Program is held at the Tenth Street Campus in beautiful Nelson, British Columbia.

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.

Important Dates

- 2015
- September 8 - Fall terms begins
 - October 1 - Year II begins
 - December 15 - Fall term ends
- 2016
- January 4 - Winter term begins
 - February 9-12 Reading Week
 - April 15 - Winter term ends
 - May 2 - Work term begins for first year students

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

Application Information

Download the Resort and Hotel Management Application Package at <http://selkirk.ca/program/rhm/application-information>

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.

Program Courses

RHOT 150 - TOURISM: AN INDUSTRY PERSPECTIVE

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 FOR THE RESORT INDUSTRY

This course explores how individuals function effectively in organizations by examining behaviour from individual, small group, inter-group and organizational perspectives. A participatory model using experiential exercises illustrates how groups help or hinder the organization. Topics include: communication models, strategies for effective leadership, leadership styles, motivational techniques, group dynamics and behaviour, stress

management, delegation, organizational 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 COMMUNICATION

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 161 - ACCOMMODATIONS

This course introduces the learner to the principles of managing the accommodation facility of a hotel or resort. The guest cycle, beginning with the reservation request through to final accounting documentation is covered. Other topics include types of lodging, current trends in guest services, competitive tactics, condominium and timeshare operations, security and safety issues and contingency plans for emergency situations.

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 163 - MIXOLOGY AND OENOLOGY

This course covers product knowledge of wine, liquor and beer. Basic methods of mixing cocktails, practical applications and equipment used are taught. This course also covers the regulatory requirements of the Liquor Control and Licensing Bureau. Detailed analysis of major wine producing countries is a major component of this course. Students receive the provincially endorsed Responsible Beverage Service Program and, upon successful completion of the Provincial examination, receive a Serving it Right Certificate.

RHOT 164 - FOOD AND BEVERAGE COST 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.

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 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 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 172 - KITCHEN MANAGEMENT/ FOOD PREPARATION

This course studies fundamental skills necessary to function competently in a kitchen. This hands-on course studies 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 and prepare food for an evening event.

RHOT 175 - HOSPITALITY COMPUTER APPLICATIONS

Students 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.

RHOT 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.

RHOT 250 - HOSPITALITY MARKETING I

The roles and functions of marketing in the hospitality/tourism industry are examined. The principles of customer service excellence and service recovery are discussed in detail. Students are lead through the five steps of the marketing planning process discovering how the "nine P's" are used in the marketing of tourism products and services. Students will learn how to conduct a situational analysis, the role of marketing segmentation practices, consumer behaviour and motivation, the five components of the Promotional mix in depth.

RHOT 254 - HOSPITALITY HUMAN RESOURCES MANAGEMENT

Human resources management has a profound effect on the success of tourism operations. This course focuses on the critical issues that concern managers in the tourism and hospitality industries topics include: human resources development, recruiting and hiring the right people, appraisal procedures, challenges and trends and employment standards.

RHOT 259 - BUSINESS COMMUNICATIONS II

Managers typically spend more than 75% of their workdays involved in interpersonal communication and increasingly in situations with cross-cultural considerations. Thus, it is crucial that future managers understand advanced communications theories and practices that can be engaged at the intrapersonal, interpersonal, intergroup, intragroup, organizational, cultural, and external levels. Topics include persuasion techniques, critical thinking skills, nonverbal communication, constructive questioning, effective meeting structure, how to conduct impactful workshops, communication psychology, emotional intelligence, lobbying, business proposals, and decision making, and more. The cross cultural communications component of the course is designed to prepare students for the challenge of living and

RESORT & HOTEL MANAGEMENT

selkirk.ca/rhm

working in an increasingly diverse society. Students study both theoretical and practical aspects of communicating with people from different cultures be they generational, societal, or ethnic. 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. Discussions and video components assist students in developing the skills necessary to succeed in the hospitality industry.

RHOT 265 - FOOD SERVICE MANAGEMENT

The Food and Beverage department at a hotel or resort is a high profile department and can be a substantial profit centre. The purpose of this course is to show how to effectively manage the food and beverage operation to provide desired levels of profitability and customer satisfaction. Through lectures and hands-on operations exercises the student 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 - 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 course introduces students to basic terminology, concepts and principles of accounting. Accounting focuses on preparing, analysing and interpreting financial statements. Topics include: accounting as an information system, introduction to accounting theory, income measurement, traditional record keeping procedures, journals, cash and investments, balance sheet equations, the accounting cycle, and preparing working papers. Participants will work through the accounting cycle.

RHOT 270 - CONVENTION, SALES AND CATERING SERVICES

Convention and meeting business is a significant part of the resort and hotel business. This course provides insight into the scope and various segments of the convention and banquet market and shows the relationship between professional service and operational success. The students will learn how to sell and service the convention and banquet business to ensure successful events.

RHOT 272 - HOSPITALITY LAW

This course outlines Canadian law applicable to the hospitality industry. The course material 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 definition of hotels and related establishments, hotel bookings, the common law of contract, reception and safety of guests and their property, property law dealing with the sale of goods, human rights, working conditions and labour relations, and insurance and ownership relations.

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 282 - DINING ROOM MANAGEMENT

This hands-on course gives students a basic understanding of the principles of food production and service and 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. Students are actively involved in the menu planning (both food and wine) for our dining room and special event functions.

Contacts

CAROL RIDGE
Enrolment Officer
Direct: 250.365.1324
Email: cridge@selkirk.ca

WENDY ANDERSON
Program Contact
Phone: 250.352.6601 ext 11344
Direct: 250.505.1344
Email: wanderson@selkirk.ca

BOB FALLE
School Chair
Phone: 250.352.6601 ext 11317
Direct: 250.505.1317
Email: bfalle@selkirk.ca

Course of Studies

Year 1

SEMESTER 1

Course	Name		Credit
BIOL 104	Biology I	On Campus	3
CHEM 122	General Chemistry I	On Campus	3
ENGL 110	College Composition	On Campus	3
MATH 100	Calculus I	On Campus	3
PSYC 100	Introductory Psychology I	On Campus	3
RPM 120	Rural Health Issues I	On Campus	1
Total			16

SEMESTER 2

Course	Name		Credit
BIOL 106	Biology II	On Campus	3
CHEM 125	Foundations of Chemistry II	On Campus	4
ENGL 111	Introduction to Literature	On Campus	3
MATH 101	Calculus II	On Campus	3
PSYC 101	Introductory Psychology II	On Campus	3
RPM 121	Rural Health Issues II	On Campus	1
Total			17

Year 2

SEMESTER 3

Course	Name		Credit
CHEM 212	Organic Chemistry I	On Campus	3
PHYS 102	Basic Physics I	On Campus	3
CHEM 222	Introductory Physical Chemistry	On Campus	3
SOC 120	Introductory Sociology I	On Campus	3
BIOL 204	Cell Biology	On Campus	3
RPM 220	Rural Health Issues III	On Campus	1
Total			16

SEMESTER 4

Course	Name		Credit
CHEM 213	Organic Chemistry II	On Campus	3
PHYS 103	Basic Physics II	On Campus	3
ANTH 201	Ethnic Relations	On Campus	3
PHIL 201	Contemporary Moral Problems II	On Campus	3
BIOL 206	Introductory Biochemistry	On Campus	3
RPM 221	Rural Health Issues IV	On Campus	1
Total			16

LENGTH OF STUDY:

Three Years

ACCREDITATION:

Associate Degree in Science and Advanced Diploma in Rural Health Sciences

CAMPUS:

Castlegar Campus

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. Are you a creative, compassionate person who is independent-minded, resourceful and trustworthy? Do you enjoy helping and caring for others, taking on challenges, working as a team and solving complex problems? If you do, rural medicine might be right for you.

PROGRAM OVERVIEW

Within a cohort of 24 students you will experience what it means to be a rural health care provider. Passionate mentors and dedicated instructors will support you as you build the foundation of experience and knowledge you need. From MCAT preparation to mindfulness training, our extensively researched curriculum has been developed in consultation with experts in rural medical education.

CURRICULUM

Students will complete all of the 90 credits (3 years) required for entrance into the MD program at the University of British Columbia (UBC) including 30 credits of specified coursework.

Our curriculum weaves together courses tailored to rural medicine with courses recommended for the Medical College Admissions Test (MCAT). Extra training in skills such as conflict resolution, small business training and MCAT preparation that will support their futures as physicians and their medical school applications. Practical application is offered through service-learning components. Courses include:

- Abnormal Psychology
- Business Math
- Addictions
- Statistics
- First Nations Studies
- Medical Ethics
- Anatomy and Physiology

Year 3

Some of the course offerings in the third year are currently under review and may be subject to change.

TRANSFER NOTES

- Students intending to transfer Selkirk College university transfer credits to other institutions should be aware that they may need a grade "C" or better in order to satisfy prerequisites for higher level courses.
- Students should be aware that if they are not successfully admitted to medical school, transferability of coursework into some institutions may be limited.

SEMESTER 5

Course	Name		Credit
STAT 306	Statistics for Health Professionals*	On Campus	3
PSYC 300	Addictions for Health Professionals*	On Campus	3
BIOL 164	Human Anatomy and Physiology I	On Campus	4
BIOC 302	General Biochemistry	On Campus	3
PSYC 202	Research Methods	On Campus	3
RPM 320	Rural Health Issues V*	On Campus	1
Total			17

SEMESTER 6

Course	Name		Credit
BUSI 300	Business Mgmt for Health Professionals*	On Campus	3
FNST 300	First Nations Studies for Health Professionals*	On Campus	3
BIOL 165	Human Anatomy and Physiology II	On Campus	4
UAS ELECT II	General UAS Elective	On Campus	3
RPM 321	Rural Health Research Project*	On Campus	3
Total			16

* These courses will not be available until fall 2016.

- Biochemistry
- Sociology
- Anthropology
- Physical Chemistry
- Cell Biology
- Research Methods
- Small Business Management

All University transfer courses will articulate with full transferability to other post-secondary Institutions. Students who either leave the program or wish to pursue other career options will have accumulated credit towards a degree in another field.

ADDITIONAL NON-CREDIT COURSES AND CERTIFICATES

- Conflict resolution training
- Cultural sensitivity training

- Mindfulness training and contemplative practices
- MCAT preparation
- High School Pre-Medicine Club Leadership

POSSIBLE INTERNSHIPS AND SERVICE LEARNING OPPORTUNITIES

- Directed volunteer experiences in local communities
- Street nursing
- Shadow rural physicians
- Research experience
- Summer elective internship
- Remote and Rural placement experience in health-care projects within Canada
- International experience paired with international nursing practice experience in Guatemala

Note: The Rural Pre-Medicine program is not directly affiliated with any particular medical school. Students graduating from this program would be eligible to apply to medical school in the same competitive admission process as any other applicant.

Admission Requirements

Students in the Rural Pre-Medicine Program are subject to the overall admissions policies affecting all students at Selkirk.

PREREQUISITES

Applicants must have graduated from secondary school (or equivalent) and completed the following courses from the BC Provincial Curriculum (or their equivalents):

Unless otherwise stated below, a minimum of 67% is required in all prerequisite courses.

- 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%)

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 admittance to the Rural Pre-Medicine program, a student must have fully completed and submitted the applied to Selkirk by the closing date of the application period.

Dates will be posted on the website each year.

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.

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 considered to be declined and the seat will be offered to another student.

Once the program has been filled, a waitlist will be created for the current intake. The waitlist will also be populated according to the students' ranking.

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

The Selkirk College Rural Pre-Medicine Program application process is outlined below. Dates will be posted on the website each year.

STEP ONE

- Review the program Rural Pre-Medicine at Apply BC.
- Completing this step will record your interest in this program.

STEP TWO

- Complete and submit the Rural Pre-Medicine application package (download at <http://selkirk.ca/program/rural-pre-medicine/application-information>), including the Personal Reference Form and information questionnaire by the deadline date posted on the website.
- You will receive a personal information questionnaire from Selkirk's Admissions Office. Fill this out and submit it to Rachel Walker, Castlegar Admissions Officer.
- Your completed application will be held pending the application closing date and the competitive entry selection process.
- You will be notified by our Admissions Office when your application is complete.

STEP THREE

- Remain in contact with Selkirk to communicate any changes in your contact information.
- 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.

*** All application documents must be received by the March 31, 2015 deadline date.**

Program Courses

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 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 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.

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: 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.

RURAL PRE-MEDICINE

selkirk.ca/rural-pre-medicine

BUSI 300 - SMALL BUSINESS MANAGEMENT FOR HEALTHCARE PROFESSIONALS *

This course provides students with the basic skills involved in opening and running a medical clinic. An introduction to human resources will involve hiring, evaluating, developing and managing office staff. Basic skills in fiscal management include an introduction to unit based finance and budgeting.

CHEM 122 - GENERAL CHEMISTRY I

This introductory general chemistry course leads 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 lab work stresses scientific observations and measurements using chemical syntheses and quantitative analyses.

Pre-requisites: Chem 12 or Chem 110, and Pre-Calculus MATH 11 (Principles of Math 11) or Math 050. Pre-calculus Math 12 (Principles of Math 12) or Math 051 is recommended. Each course must have a grade of grade of "C" or better.

CHEM 125 - FOUNDATIONS OF CHEMISTRY II

This general chemistry course is the continuation of either Chemistry 110 or Chemistry 122. Chemistry 125: Foundations of Chemistry II begins with an investigation of intermolecular forces in liquids and solids, followed by the colligative properties of solutions. Next, it presents the principles of equilibria applied to pure substances and aqueous solutions of acids, bases and salts. The laws of thermodynamics applied to chemical substances are introduced. The field of organic chemistry is surveyed; 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 alkynes and alcohols is examined. Structure-determination techniques, including IR and NMR, are explored. The laboratory work of 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 aromatic compounds, alcohols, ethers, aldehydes and ketones, as well as carboxylic acids and carboxylic acid derivatives. 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.

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.

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.

FNST 300 - FIRST NATIONS STUDIES FOR HEALTH PROFESSIONALS *

This course will examine the existing health status of Aboriginal people in Canada. Students will be introduced to traditional views of healing and compare these to current practices in main-stream medicine. Government policies aimed at aboriginal health will also be discussed.

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 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.

PHYS 102 - BASIC PHYSICS I

A non-calculus survey of mechanics, heat and vibrations. This course includes the topics of linear motion, projectile motion, Newton's laws, energy, momentum, circular and rotational motion, thermal properties of matter, vibrations and sound.

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.

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.

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 100/101 or written permission of the Instructor and School Chair.

PSYC 300 - ADDICTIONS FOR HEALTH PROFESSIONALS *

This course 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.

RPM 120 - RURAL HEALTH ISSUES I

The profession of rural physician will be introduced by way of invited speakers, tours, lectures, and discussions. This one-credit course is designed to introduce students to the medical profession in general and the distinct challenges of rural physicians in particular. Information will be provided on pathways into the profession, preparation for application to medical school, the branches of medicine, and the work conducted by practicing rural physicians. The course will include field trips to various healthcare facilities and guest lectures from practicing rural physicians. Students will explore various facets of preparation for medical through small-group projects and presentations. Professionalism and record keeping will be examined and emphasized throughout the curriculum.

RPM 121 - RURAL HEALTH ISSUES II

This course is a continuation of RPM 120 and provides an introduction to the professions of a variety of healthcare providers with an emphasis on the unique characteristics associated with rural healthcare. Students will be introduced to the concept of interprofessional practice and begin to develop skills involved with respectful communication, teamwork, and group process.

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.

STAT 306 - ADDICTIONS FOR HEALTH PROFESSIONALS *

This course 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: Math 100 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 at <http://www.bctransferguide.ca> or contact a Selkirk counsellor.

Contacts

ELIZABETH LUND

Program Coordinator/Instructor, Chemistry
Phone: 1.888.953.1133 ext 21265
Direct: 250.365.1265
Email: elund@selkirk.ca

RPM ADMISSIONS

Phone: 1.888.953.1133 ext 21233
Direct: 250.365.1233
Fax: 250.365.3929
Email: rwalker@selkirk.ca

RPM CONTACT

Phone: 1.888.953.1133 ext 21205
Direct: 250.365.1205
Fax: 250.365.1260
Email: csoukoroff@selkirk.ca

DAVID FELDMAN

School Chair, UAS, Instructor, Mathematics
Phone: 1.888.953.1133 ext 21331
Direct: 250.365.1331
Email: dfeldman@selkirk.ca

* These courses will not be available until fall 2016.

Sculptural Metal

selkirk.ca/program/sculptural-metal

Course of Studies

Course	Name		Credit
BLCK 121	Shop Cultures: Safety and Devices	On Campus	1.5
BLCK 123	Fabrication Techniques: Welded Forms	On Campus	4
BLCK 125	Design for Fabrication and Blacksmithing	On Campus	3.5
BLCK 127	Force, Stance, Direction: Primary Hammer Skills	On Campus	4
BLCK 129	Advanced Techniques: Conceptualize and Create	On Campus	4
BLCK 131	Production Processes	On Campus	3
CAST 122	Drawing and Design for Metal Casting	On Campus	4
CAST 124	How to Cast Bronze	On Campus	7
CAST 126	Exploration of Bronze	On Campus	7
KSA 190	Self Directed Studio	On Campus	9
CAST 128	Sculptural Modeling in Clay	On Campus	1.5
DA 141	3D Modeling	On Campus	1.5
Total			50

LENGTH OF STUDY:

10 Months

ACCREDITATION:

Certificate

CAMPUS:

Victoria Street Campus, Nelson

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.

GAIN VALUABLE SKILLS

- Learn the basics of tool construction and tool safety (TIG welder, grinders, air tools)
- Making rubber molds
- Wax chasing
- Metal finishing
- How to submit a presentation to a client
- Increase your hand skills and your hand-eye

coordination

- Understand the movement of mass
- Sharpen your creative problem solving

YOUR COURSES INCLUDE

- Drawing and design for Blacksmithing and Metal Casting
- How to Cast Bronze
- Exploration of Bronze
- Advanced Conceptualization and Creation Techniques
- Metal Shop Culture
- Primary Hammer Skills
- Production Processes

Admission Requirements

Admission to Kootenay Studio Arts programming (KSA) is by interview, online questionnaire and portfolio review.

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 using the Kootenay Studio Arts online form at <http://selkirk.ca/program/sculptural-metal/admission-requirements>.

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. These applicants must mail their portfolios to the school and ensure that they are received one week before their scheduled interview date. 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. Applicants should give special attention to the following guidelines when preparing their portfolios.

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 eight and a maximum of twenty-four pieces.
- Portfolios should be brought to the interview and only mailed if, because of distance, the applicant is unable to attend their interview in person.
- 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.
- If an applicant includes slides or photographs, each must include a list of the materials used, size of the piece, title and date.

SUBMIT YOUR PORTFOLIO IN ONE OF THE FOLLOWING FORMATS

- Attach photo's directly at the bottom of questionnaire.
- Hard copy
- Portable storage device
- CD or DVD (jpeg format)
- Online portfolio (Tumblr, Behance, Flickr) emailed to: epotulicki@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.

Application Package

Download the Sculptural Metal Application Package at <http://selkirk.ca/program/sculptural-metal/application-package>

BEFORE YOU START

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

Program Courses

BLCK 121 - SHOP CULTURES: SAFETY AND DEVICES

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 7.5 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.

SCULPTURAL METAL

selkirk.ca/program/sculptural-metal

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.

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

CAROL RIDGE
Enrolment Officer
Direct: 250.365.1324
Email: cridge@selkirk.ca

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

JASON TAYLOR
School Chair
Phone: 250.352.6601 ext 11305
Direct: 250.505.1305
Email: jtaylor@selkirk.ca

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

Ski Resort Operations & Management

selkirk.ca/ski

Course of Studies

Year 1

SEMESTER 1

Course	Name		Credit
SROM 150	Tourism: A Ski Industry Perspective	On Campus	3
SROM 151	Tourism Marketing and Customer Service	On Campus	3
SROM 155	Computer Applications	On Campus	3
SROM 158	Ski Area Risk Prevention and Management	On Campus	3
SROM 159	Business Communication I	On Campus	3
SROM 166	Ski Resort Facilities Maintenance	On Campus	2
SROM 171	Ski Area Planning	On Campus	3
SROM 172	Ski Lift Functions, Maintenance and Regulations	On Campus	3
SROM 180	Field Study	Practicum	1
Total			24

SEMESTER 2

Course	Name		Credit
SROM 153	Organizational Leadership for the Resort Industry	On Campus	3
SROM 156	Data Base Management and Web Design	On Campus	3
SROM 157	Ski Retail/Rental Shop Management	On Campus	3
SROM 160	Ski Resort Guest Services and Snow School Operations	On Campus	2
SROM 169	Financial Accounting	On Campus	3
SROM 173	Ski Resort Slope Grooming Operations	On Campus	2
SROM 175	Snowmaking Systems Operations	On Campus	2
SROM 184	Snow Safety/Ski Patrol Operations	On Campus	2
SROM 190	Field Study	On Campus	1
Total			21

Year 2

SEMESTER 3

Course	Name		Credit
SROM 251	Ski Area Marketing and Special Events	On Campus	3
SROM 254	Ski Area Food and Beverage Administration	On Campus	3
SROM 256	Ski Area Budgeting and Business Management	On Campus	3
SROM 258	Human Resources Management for the Resort Industry	On Campus	3
SROM 272	Supervisory Ski Lift Operations	On Campus	3
SROM 280	Ski Area Construction and Project Management	On Campus	2
SROM 290	Field Study	On Campus	1
Total			18

SEMESTER 4

Course	Name		Credit
SROM 288	Ski Resort Winter Work Term	Practicum	0

LENGTH OF STUDY:

Two Years

ACCREDITATION:

Diploma

CAMPUS:

Tenth Street Campus

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 and we can help you get there.

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

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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

- Lift, Grooming and Snowmaking Functions, Maintenance and Regulations
- 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

GRADUATE CAREERS INCLUDE

- Ski Patrol and Avalanche Control
- Snowmaking, Grooming and Terrain Park Operations
- Lift Operations, Maintenance, Construction
- Ski and Snowboard Schools
- Administration, Human Resource Management
- Guest Services, Rental and Retail Operations
- Sales, Marketing and Special Events
- Cat and Heliskiing Operations
- General Management

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.

- Ski Industry Experience. At least one season of full-time work at a ski resort is strongly recommended. Part-time work or related experience in retail, adventure tourism or hospitality are considered in lieu of full-time ski industry experience.
- 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 (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.

Important Dates

2015

- Aug 4 - Year 2 Fall term begins
- Sep 8 - Year 1 Fall term begins
- Oct 30 - Year 2 Fall term ends
- Nov 2 - Work term begins
- Dec 15 - Year 1 Fall term ends

2016

- Jan 4 - Year 1 Fall Winter term begins
- Feb 9-12 - Reading Break
- Apr 21 - Year 1 Winter term ends
- Apr 18 - Year 2 Work Term Reports
- Apr 22 Graduation Ceremony
- Aug 2 - Year 2 Fall term begins.

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 tightly labour market in the tourism industry. This will mean increasing opportunities for graduates to step into 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

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SROM 156 - DATA BASE MANAGEMENT AND WEB DESIGN

The first segment of this course will cover the basic concepts of understanding, querying and maintenance of Microsoft Access 2007. In the second segment of the course the students study results of Google Analytics on specific websites and become aware of accessibility issues with regard to standard-based web designing practices. Students review social media marketing concepts then create a business blog that assimilates marketing of that business. In this process students use an image manipulation program to create/rework and upload photos/videos.

SROM 157 - 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 CWSAA 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 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 COMMUNICATION I

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.

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 - FINANCIAL 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 merchandise 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

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 - SNOWMAKING SYSTEMS OPERATIONS

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 180 - FIELD STUDY

Each of these 3 numbered courses consists of 2 five day field trips and one 3 day field trip to visit ski areas. Although venues change from year to year, the field trips typically include visits to major ski resorts and regions throughout western Canada. The purpose of these visits is to talk with ski area managers and supervisors, on location, about their duties and responsibilities and to inspect operating departments at each ski resort visited. This trip provides an excellent opportunity for candid conversations between students and ski industry personnel. Students inspect real facilities and equipment such as detachable chairlifts at these resorts also. These 3 field trips are an excellent opportunity for students to arrange potential jobs for their work semester and post-graduation careers.

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.

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 Z98 Standard.

SROM 173 - SKI RESORT SLOPE**SROM 251 - 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 254 - SKI AREA FOOD AND BEVERAGE ADMINISTRATION

This course provides an overview of food and beverage operations with major emphasis on ski area operations. Students learn how to utilize effective cost controls for the operations. Menu development and analysis as well as basic layouts for food and beverage areas are studied including an emphasis on cafeteria (mass feeding) operations.

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.

SKI RESORT OPERATIONS & MANAGEMENT

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SROM 258 - HUMAN RESOURCES MANAGEMENT FOR THE RESORT INDUSTRY

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 ropeways 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

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.

- Lift 150 Train the Trainer Information Sheet
- Lift 150 (Fax in) Registration Form

PARKSCAPERS

The ParkScapers program is Canada's only National terrain building initiative that focuses on disseminating industry best practices when building terrain parks, air sites, cross tracks and mogul fields.

BUILD BETTER FREESTYLE/CROSS TERRAIN WITH PARKSCAPERS

Over 6 years ago a group of like minded snow industry professionals got together and started considering opportunities for the development of educational sessions focused solely on freestyle terrain development. The committee consists of ski area managers, snowcat drivers, park designers/builders, snow school staff and other industry representatives. The committee has developed a curriculum which includes industry trends (GPS snow mapping Riglet parks), risk management, as well as design-build-maintain (site selection, earth works, build technique, layout, signage).

The program is offered through an on line session in the pre-season and two days on-snow where participants go out and 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.

PARKSCAPERS & COMPETITIVE SNOWSPORTS WORKING TOGETHER

In 2011/12 the Canadian Freestyle Ski Association, Canada Snowboard and Alpine Canada formed the Snowsports Terrain Group (STG), to partner with ParkScapers and support the development of high quality terrain at clubs across Canada through better informed resort staff, officials, and coaches.

ParkScapers curriculum creates stage appropriate terrain for recreational users, snowschools and competitive clubs.

ParkScapers has trained over 150 participants from 100 resorts across the country. The program continues to grow this year as Can West in conjunction with ParkScapers delivers a fully revised version of the CWSAA Terrain Park Guidelines.

SKI RESORT PASSENGER ROPEWAY MECHANICS

This year's program for the CWSAA Operations and Maintenance Seminar in Whistler May 12-14, 2014 will again feature the three Ski Resort Passenger Ropeway Mechanic courses. These courses are open to all CWSAA member resorts; in British Columbia these courses are a requirement for lift mechanic licensing as specified by the BC Safety Authority. Each of the three courses will include a tutorial on ski lift components and the applicable code requirements, followed by a one-hour, two-part exam involving ski lift components and the applicable Z98 Code requirements.

SKI RESORT RISK MANAGEMENT - ONLINE

This course is designed for people currently working in any capacity, in any type or size of ski area operation. 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. 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.

Contacts

CAROL RIDGE
Enrolment Officer
Direct: 250.365.1324
Email: cridge@selkirk.ca

BOB DODGE
Program Contact
Phone: 250.352.6601 ext 11353
Direct: 250.505.1353
Email: bdodge@selkirk.ca

BOB FALLE
School Chair
Phone: 250.352.6601 ext 11317
Direct: 250.505.1317
Email: bfalle@selkirk.ca

Social Service Worker

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Course of Studies

This certificate program ladders in to the Human Services Diploma option.

ADD 184 - Introduction to Addiction can be taken on line in the fall for part-time students, or on campus in the winter. This option is open to both part time and full time students.

Year 1

SEMESTER 1

Course	Name		Credit
ENGL 110	College Composition	On Campus	3
FAM 180	Family Dynamics	On Campus	3
HSER 174	Interpersonal Communications I	On Campus	3
PSYC 100	Introductory Psychology I	On Campus	3
SSW 160	Introduction to Social Work	On Campus	3
SSW 162	Community Resources	On Campus	3
Total			18

SEMESTER 2

Course	Name		Credit
ADD 184	Introduction to Addiction	On Campus	3
ENGL 111	Introduction to Literature	On Campus	3
PSYC 101	Introductory Psychology II	On Campus	3
SSW 157	Group Skills	On Campus	3
SSW 161	Introduction to Social Policy	On Campus	3
SSW 163	Field Work I		3.5
SSW 166	Application of Theory to Practice	On Campus	1
Total			19.5

SEMESTER 3

Course	Name		Credit
SSW 168	Field Work II (Block Placement)	Practicum	5
Total			5

Your sense of caring may come naturally or perhaps your life has been touched by adversity, addiction, abuse, or disease and it kindles a sense of duty. If you have a desire to support people in times of need and crisis, a career in social services may be for you.

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.

LENGTH OF STUDY:

Nine Months / Two Years

ACCREDITATION:

Certificate / Diploma

CAMPUS:

Castlegar Campus

Program Summary

PRACTICUMS PROVIDE AN OPPORTUNITY TO EXPLORE

Practicums include a variety of services and programs serving a wide range of populations that includes people who live in poverty, are young, are aging, have substance use and/or mental health problems, have behavioral problems, or other issues that interfere with their ability to cope successfully in a demanding society.

You will have the opportunity to demonstrate skills that include

- Advocacy
- Child and youth care
- Employment supports
- Substance use awareness
- Group facilitation
- Community support and individual support
- Problem-solving and communication skills

TRANSFER OPPORTUNITIES

Your SSW certificate transfers to two Human Services diploma specialties at Selkirk and also to related programs at other universities.

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.

- 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).

- A completed application form
- Résumé
- Two completed personal reference forms
- Completed health information form
- Complete college readiness tool (CRT) for reading and writing before registration
- Official copies of all relevant transcripts
- Completed criminal record check from Ministry of Justice
- A work reference based on 30 hours of paid or volunteer social services related work experience
- Driver's license and transportation is recommended

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Important Dates

Fall 2014

- September 2 - Orientation Day
- September 3 - Fall semester instruction begins
- December 5 - Fall semester instruction ends
- December 8 to 16 - Fall semester exams

WINTER 2015

- January 5 – Winter semester instruction begins
- April 10 – Winter semester instruction ends
- April 13 to 21 – Winter semester exams

SPRING PRACTICUM 2015

- April 22 - Spring Semester Practicum begins
- May 29 - Spring Semester Practicum ends

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Careers

Graduates of our Social Service Worker Certificate and Diploma Programs Find Employment In

- Community Services Settings
- Shelters
- Group Homes
- Employment Programs
- Outreach Programs
- Child and Youth Care Settings

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Application Information

Download the Social Service Worker Application Package at <http://selkirk.ca/program/ssw/application-information>

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.

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Program Courses

ADD 184 - INTRODUCTION TO ADDICTION

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.

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

This course is designed to provide students with a variety of theoretical perspectives to understanding families. It considers the diversity of families including exploration of cultural differences,

same-sex parents, single parents and blended families. The role of marriage is examined, as well as childbearing and socialization. Issues such as middle age, empty nest, aging in the family, and special concerns such as chronic illness, disability, alcoholism, violence, and poverty are introduced.

Pre-requisites: ENGL 12 or equivalent.

HSER 174 - INTERPERSONAL COMMUNICATIONS I

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. Designed to help 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

Effective social service workers need a good understanding of groups and group skills. This knowledge and skill development 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 groups, learning and discussion groups; planning, implementing and evaluating community development work. Students will work in groups to gain first-hand experience in group dynamics.

SSW 160 - INTRODUCTION TO SOCIAL WORK

This course is designed to introduce students to the practice of social work considering the ideological and historical influences which have shaped social work in Canada. The value, knowledge and skill

SOCIAL SERVICE WORKER

selkirk.ca/ssw

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 perspectives, structural, feminist and Aboriginal approaches. Throughout the course, the present trends and directions of the profession and field are discussed.

Pre-requisites: ENGL 12 or equivalent with a grade of "C" or better.

SSW 161 - INTRODUCTION TO SOCIAL POLICY

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

This course is designed to provide an orientation to professionals and agencies providing social services in the West Kootenay as well as to prepare students for practicum activities. Students visit a variety of settings where services are available to deal with a wide range of issues. Resource people are brought in to furnish workshops and information which supplements the course content. The course is an introduction to the notion of applying theory to practice. These experiences should assist students in making their choice of field placement for the winter term as well as increasing their understanding of the depth and breadth of the social service system in this area. Data collection, observation and analytical skills will be developed and demonstrated through this course.

SSW 163 - FIELD WORK I

This Winter semester of practical experience in a social service organization involves a one week orientation followed by one day a week in the field placement. Required competencies must be demonstrated at an appropriate level in order to advance to final practicum course.

Pre-requisites: Completion of all first semester courses.

SSW 166 - APPLICATION OF THEORY TO PRACTICE

This weekly on-line seminar in the Winter semester is for students enrolled in SSW 163. Discussions will focus on field placement activities. The emphasis of the course is on applying the theory of social services to its practice.

SSW 168 - FIELD WORK II (BLOCK PLACEMENT)

A full time work study program for five weeks after Winter semester that affords the student an opportunity to practice the skills learned in the previous two semesters. Field work 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

RACHEL WALKER
Admissions Officer
Phone: 1.888.953.1133 ext 21233
Direct: 250.365.1233
Email: rwalker@selkirk.ca

TERESA PETRICK
School Chair
Phone: 250.365.7292 ext 21442
Direct: 250.365.1442
Email: tpetrick@selkirk.ca

LENGTH OF STUDY:

Two Years

ACCREDITATION:

Associate of Arts Degree and Transfer to BA

CAMPUS:

Castlegar Campus

Program Summary

The study of society.

We are a broad discipline that expands our awareness and 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, 60 credits of first- and second-year courses which include 18 credits of sociology. Students who complete the following courses and have a total of 60 credits of first- and second-year courses will be considered for admission as a Sociology major starting at the third-year level.

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

Contacts

UNIVERSITY ARTS & SCIENCES ADMISSIONS

Admissions Officer (Castlegar)
Phone: 1.888.953.1133 ext 21233
Direct: 250.365.1233
Email: rwalker@selkirk.ca

UNIVERSITY ARTS & SCIENCES

Program Contact
Phone: 1.888.953.1133 ext 21205
Direct: 250.365.1205
Email: UAS@selkirk.ca

DAVID FELDMAN

School Chair, UAS, Instructor, Mathematics
Phone: 1.888.953.1133 ext 21331
Direct: 250.365.1331
Email: dfeldman@selkirk.ca

**FOR UNIVERSITY ARTS & SCIENCES
COURSE DESCRIPTIONS:**

see page 261

Studio Arts Diploma

selkirk.ca/ksa

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.

Course	Name		Credit
KSA 290	Self Directed Studio I	On Campus	9
Total			9

SEMESTER 3 ELECTIVES

Course	Name		Credit
DA 110	Introduction to Photoshop	On Campus	3
DA 103	Art History	On Campus	1
DA 103	History of Design as Information	On Campus	1
DA 103	From Motion Pictures to Digital Cinema	On Campus	1
DA 131	HTML, CSS & the Foundations of Web	On Campus	3
DA 111	Introduction to Digital Art and Design Fundamentals	On Campus	3
DA 111	Introduction to Adobe Illustrator	On Campus	1
CWRT 100	Studies in Writing I	On Campus	3
HIST 104	Canada Before Confederation	On Campus	3
HIST 106	Western Civilization I	On Campus	3
WS 100	Women's Studies I	On Campus	3
PEAC 100	Peace Studies I	On Campus	3
ENGL 110	College Composition	On Campus	3
Total			31

SEMESTER 4 ELECTIVES

Course	Name		Credit
ADMN 181	Marketing	On Campus	3
DA 141	3D Modeling	On Campus	1.5
DA 141	3D Modeling and Rendering	On Campus	1.5
DA 112	Photoshop Projects	On Campus	3
DA 113	Intermediate Art and Design	On Campus	3
DA 266	The Art of Making	On Campus	1
HIST 105	Contemporary Canada	On Campus	3
HIST 107	Western Civilization II	On Campus	3
ENGL 111	Introduction to Literature	On Campus	3
DA 113	Intermediate Art and Design	On Campus	3
Total			25

LENGTH OF STUDY:

Two Years

ACCREDITATION:

Diploma

CAMPUS:

Victoria Street Campus, Nelson

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.

On completion of the Studio Arts Diploma program transfer opportunities are available for those who wish to pursue further post-secondary studies.

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

Admission Requirements

Admission to Kootenay Studio Arts programming (KSA) is by interview, online questionnaire and portfolio review.

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 using the Kootenay Studio Arts online form at <http://selkirk.ca/program/studio-arts-diploma/admission-requirements>

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. These applicants must mail their portfolios to the school and ensure that they are received one week before their scheduled interview date. 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. Applicants should give special attention to the following guidelines when preparing their portfolios.

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 eight and a maximum of twenty-four pieces.
- Portfolios should be brought to the interview and only mailed if, because of distance, the applicant is unable to attend their interview in person.
- 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.

- If an applicant includes slides or photographs, each must include a list of the materials used, size of the piece, title and date.

SUBMIT YOUR PORTFOLIO IN ONE OF THE FOLLOWING FORMATS

- Attach photo's directly at the bottom of questionnaire.
- Hard copy
- Portable storage device
- CD or DVD (jpeg format)
- Online portfolio (Tumblr, Behance, Flickr) emailed to: epotulicki@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.

Program Courses

ADMN 181 - MARKETING

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.

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.

DA 103 - ART HISTORY

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 AS INFORMATION

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 - INTRODUCTION TO DIGITAL ART AND DESIGN FUNDAMENTALS

The creative process, from concept, to rough sketch, to well-resolved drawing, and finally to completed artwork is the basis for this exploration of the fundamental concepts of design. Students use traditional methods and mediums to develop their ideas, and complete their artwork/illustrations using Adobe Illustrator software. Students learn introductory through to advanced techniques with Adobe Illustrator, and utilize this powerful software application to create a portfolio of drawings. Images from art history, advertising, and contemporary media are analyzed to challenge students to see and create critically.

STUDIO ARTS DIPLOMA

selkirk.ca/ksa

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.

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.

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.

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 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**

This interdisciplinary and values-based course 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.

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Contacts

CAROL RIDGE
Enrolment Officer
Direct: 250.365.1324
Email: cridge@selkirk.ca

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

JASON TAYLOR
School Chair
Phone: 250.352.6601 ext 11305
Direct: 250.505.1305
Email: jtaylor@selkirk.ca

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

Teaching English to Speakers of Other Languages (TESOL)

selkirk.ca/tesol

Course of Studies

Course	Name		Credit
TSOL 102	Second Language Acquisition and Theory	On Campus	3
TSOL 104	Classroom Practice and Organization	On Campus	3
TSOL 106	English Language Curriculum and Materials Development	On Campus	3
TSOL 108	Language and Culture	On Campus	3
TSOL 110	Practicum Experience and Seminar	On Campus	4
TSOL 112	Grammar and Phonology	On Campus	3
TSOL 114	Testing and Evaluation	On Campus	1
TSOL 116	Multimedia in the Language Classroom	On Campus	1
Total			21

Course	Name		Credit
TSOL 120	International Practicum	Practicum	3
Total			3

LENGTH OF STUDY:

Four Months

ACCREDITATION:

Advanced Diploma

CAMPUS:

Castlegar Campus

Admission Requirements

All TESOL applicants must submit:

1. 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+.

2. Evidence of prior work or volunteer educational experience, preferably with second language learners, and/or course work in education is desirable

3. An interview in person or via Skype

4. A resume

5. Completed application form and application fee. To apply download application form at <http://selkirk.ca/program/tesol/admission-requirements>.

6. 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 be eligible for an Advanced Diploma recognized by TESL Canada and to obtain a TESL Canada Professional 2 status, applicants must have completed a degree. Students, who have a degree in progress, may apply for certification with TESL Canada on completion of their degree. Additionally, applicants who are speakers of other languages must have a TOEFL score of 550 (PBT) or 213 (CBT) AND a TSE minimum score of 6 and a TWE minimum score of 5.

Important Dates

Advanced Diploma is only offered once a year in the fall semester; however, it is possible to request a 'delayed practicum' for the winter or spring semesters.

Program Summary

The Selkirk College TESOL program offers both Canadian and International students an opportunity to gain TESL Canada Professional 2 qualifications to teach English as a foreign language. With the growing global demand for qualified English language teachers in both domestic and international schools, this highly desired qualification.

Canadian and International student teachers work side-by-side to explore the fundamental theory and practice of language acquisition. Because students also learn within a dynamic English Language Program at the college, they are exposed to a wide variety of language learners and learning styles.

Selkirk College offers 2 options for TESOL training: an Advanced Diploma and Advanced Certificate option.

TESOL ADVANCED DIPLOMA

This 4 month program is recognized by TESL Canada. Students, who meet the degree qualifications, can obtain a Professional 2 status with TESL Canada. International students must also meet the language proficiency requirements of TESL Canada to obtain the added certification. Students are required to complete all 252 hours of class and course work and also the 42 hours (minimum) of practicum teaching, observations and seminar work.

The program includes course work in the areas of second language acquisition theory and linguistics, curriculum design, materials development,

intercultural communication, classroom management and assessment. The program consists of 21 hours a week of classes and practicum. Practice teaching within the Selkirk College English Language Program provides students with concrete experience.

TESL ADVANCED CERTIFICATE

The TESOL Advanced Certificate program requires a minimum of 2 years of post-secondary education and a proven advanced level of English. The Advanced Certificate program is a 4 month program that includes all the course work required in the TESOL Advanced Diploma program, except for the Practicum experience. Instead of the practice teaching component, students may choose to do additional observations or some volunteering in a local school, with the permission of the TESOL Program Supervisor. The TESOL Advanced Certificate program does not meet all the requirements needed to apply for TESL Canada recognition.

If students who have completed the Certificate program wish to complete the practicum component and convert their Certificate to an Advanced Diploma, they can do so within one year and with the approval of the TESOL Program Supervisor. There is a small additional charge for this additional teaching experience.

Program Courses

TSOL 102 - SECOND LANGUAGE ACQUISITION AND THEORY

This course examines first and second language acquisition (SLA) from a theoretical and applied point of view. Consideration is given to sociolinguistic influences as well as historical and current methods for second language acquisition. The theoretical understandings developed in this course are designed to contribute to a teacher's own philosophy, style, approach and classroom techniques.

TSOL 104 - CLASSROOM PRACTICE AND ORGANIZATION

This course prepares students to make the successful transition to teaching in the English Language classroom. Both theoretically and practically, students explore the needs and challenges of effective classroom organization and management. Current approaches, learner variables, task development and a learner-centred classroom that focus on student success are considered.

TSOL 106 - ENGLISH LANGUAGE CURRICULUM AND MATERIALS DEVELOPMENT

Students are provided with an introduction to English language curriculum studies in the context of current approaches to teaching English as an additional language. Students have opportunities to work with and develop materials related to the specific language skills of listening, speaking, reading, and writing. Student work in this course can be applied to lesson preparation for the TESOL program practicum.

TSOL 108 - LANGUAGE AND CULTURE

This course examines differing world views of language and culture, cultural patterns and the role of English in a intercultural context. The course is designed to encourage students to discover and challenge their own cultural assumptions and values, and to apply their research and further understanding to their teaching principles and strategies in the second language classroom.

TSOL 110 - 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 AND PHONOLOGY

This course provides students with an overview of common grammar structures and opportunities to teach, discuss and develop different ways of incorporating grammar in an English Language program curriculum.

TSOL 114 - TESTING AND EVALUATION

This course focuses on basic concepts and constructs of language assessment. There is an examination of measurement criteria, standardized testing and types of tests. Both formal and informal methods of testing, as well as the issues related to assessment of student proficiency are considered.

TSOL 116 - MULTIMEDIA IN THE LANGUAGE CLASSROOM

This course, TSOL 116: Multimedia in the Language Classroom, focuses on the teaching strategies and practical applications of multimedia materials when used in the English as a Second/Other Language classroom. Students learn how to use and incorporate multimedia tools such as Learning Management Systems (ex. Moodle, Blackboard and Desire2Learn). PowerPoint presentations, website resources (ex. audio, resources, Puzzlemaker), vodcasting, SMART Board, document reader and video into Communicative Language Teaching. Hands-on, task-based and project-based assignments provide a practical basis for developing interactive, effective and meaning activities and assignments for teaching and learning language.

TSOL 120 - INTERNATIONAL PRACTICUM

A supervised international teaching practicum provides students with an opportunity to live and teach in an international setting with the supervision of a Selkirk College instructor or Selkirk College approved partnership instructor. Students may lead small group activities, teach complete lessons to classes, assist in the international classroom, provide testing and assessment and engage in conversational English with students. First-hand experience and the opportunity to put theories and methods studied in the Selkirk College TESOL program into practice are supported by observation, practice, review and evaluation. Students should expect to accumulate a minimum of 100-125 practicum hours. Regular meetings with the Supervising Instructor provide opportunities for planning, evaluation, and

self-evaluation of the Student Teacher's experiences. Students are expected to study the language and culture of the country they are visiting prior to departure.

Please Note: TSOL 120 is an additional practicum for graduates of the Selkirk College TESOL Advanced Diploma Program only. It is not a requirement for graduation. This course may not be offered every year. Enrolment is limited and interested students need to apply. Additionally, only placements with approved Selkirk College institutional partners will be considered for the TSOL 120 international practicum.

Pre-requisites: Successful completion of the Selkirk College TESOL Advanced Diploma Program including TSOL 110 Practicum Experience and selection through the international practicum application process.

Textiles Studio

selkirk.ca/program/textiles

Course of Studies

SEMESTER 1

Course	Name		Credit
TEXT 101	Dye Technology	On Campus	4
TEXT 103	Textile Construction	On Campus	4
TEXT 105	Surface Design	On Campus	2
TEXT 107	Felt: Textile Pattern & Design	On Campus	2
PPD 101	Drawing as a Basic Visual Communication	On Campus	3
PPD 103	Design as a Basic Visual Language	On Campus	3
PPD 104	Introduction to Digital Design Applications	On Campus	3
Total			21

SEMESTER 2

Course	Name		Credit
TEXT 102	Printing	On Campus	4
TEXT 104	Pattern Drafting and Design	On Campus	4
TEXT 106	Weaving	On Campus	4
PPD 109	Professional Practice I	On Campus	1.5
PPD 110	Professional Practice II	On Campus	2
TEXT 108	Studio Specific Design	On Campus	2
Total			17.5

SEMESTER 3

Course	Name		Credit
TEXT 112	Design for Production & Product Development	On Campus	2
TEXT 114	Applied Textile Design	On Campus	1
TEXT 120	Self Directed Studio I	On Campus	2
TEXT 113	Contemporary Fibre & Mixed Media Applications	On Campus	1.5
Total			6.5

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.

LENGTH OF STUDY:

10 Months

ACCREDITATION:

Certificate

CAMPUS:

Victoria Street Campus, Nelson

Admission Requirements

Admission to Kootenay Studio Arts programming (KSA) is by interview, online questionnaire and portfolio review.

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 using the Kootenay Studio Arts online form at <http://selkirk.ca/program/textiles/admission-requirements>

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. These applicants must mail their portfolios to the school and ensure that they are received one week before their scheduled interview date. 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. Applicants should give special attention to the following guidelines when preparing their portfolios.

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 eight and a maximum of twenty-four pieces.
- Portfolios should be brought to the interview and only mailed if, because of distance, the applicant is unable to attend their interview in person.
- 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.
- If an applicant includes slides or photographs, each must include a list of the materials used, size of the piece, title and date.

SUBMIT YOUR PORTFOLIO IN ONE OF THE FOLLOWING FORMATS

- Attach photo's directly at the bottom of questionnaire.
- Hard copy
- Portable storage device
- CD or DVD (jpeg format)
- Online portfolio (Tumblr, Behance, Flickr) emailed to: epotulicki@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.

Important Dates

WINTER 2015

- Jan 5 - Winter term begins
- February 10 to 13 - Reading Week
- April 10 - Winter term ends
- April 13 to 17 - Critique week

SPRING 2015

- April 27 - Spring term starts
- June 19 - Spring term ends

*Regular programming starts in Fall

Application Information

Download the Textiles Studio Application Package at <http://selkirk.ca/program/textiles/application-information>

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.

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. 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 109 - PROFESSIONAL PRACTICE 1

This course provides information to assist the emerging craftsperson, or designer to develop a career as a professional craftsperson/designer selling their work in a commercial context. A variety of approaches will cover three broad areas of study: Management, business, and marketing.

PPD 110 - PROFESSIONAL PRACTICE II

This course is designed to augment the ideas introduced in Professional Practice 1, by providing students with practical applications of business & marketing issues for an emerging craftsperson/designer.

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.

TEXT 101 - DYE TECHNOLOGY

The principles of colour theory will be applied through precision dyeing using weak acid dyes on protein fibres. Plant dyes, including indigo as a vat dye, will be studied through the extraction of raw materials and in the use of natural dye extracts on a variety of fibres. A sample collection created during the course will serve as a reference and a springboard for future explorations.

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

TEXTILES STUDIO

selkirk.ca/program/textiles

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: TEXTILE PATTERN & DESIGN

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

CAROL RIDGE
Enrolment Officer
Direct: 250.365.1324
Email: cridge@selkirk.ca

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

JASON TAYLOR
School Chair
Phone: 250.352.6601 ext 11305
Direct: 250.505.1305
Email: jtaylor@selkirk.ca

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

Traditional Chinese Medicine

selkirk.ca/program/traditional-chinese-medicine

Course of Studies

The following mix of courses satisfies the requirements for the Associate of Arts degree – Entry to Traditional Chinese Medicine. Electives should be chosen only after consultation with a Selkirk College counsellor.

Year 1

SEMESTER 1

Course	Name		Credit
ANTH 100	Introduction to Anthropology I	Online	3
ANTH 101	Introduction to Anthropology II: Cultural Anthropology	On Campus	3
SOC 120	Introductory Sociology I	On Campus	3
ENGL 110	College Composition	On Campus	3
PSYC 100	Introductory Psychology I	On Campus	3
STAT 105	Introduction to Statistics	On Campus	3
MATH 180	Mathematics for Teachers	On Campus	4
Total			22

SEMESTER 2

Course	Name		Credit
ADD 184	Introduction to Addiction	On Campus	3
ANTH 110	Introduction to Biological Anthropology	On Campus	3
SOC 121	Introductory Sociology II	On Campus	3
ENGL 111	Introduction to Literature	On Campus	3
PSYC 101	Introductory Psychology II	On Campus	3
Total			15

LENGTH OF STUDY:

Two Years

ACCREDITATION:

Associate of Arts Degree

CAMPUS:

Castlegar Campus

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 Principles of Math 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 Principles of Math 12.

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 ADDICTION

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.

Pre-requisites: ENGL 12 or equivalent.

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.

Program Summary

If you are interested in alternative medicine and holistic treatment methods, and have always had a desire to heal those in need, this is the program for you.

You're fascinated by Chinese healing practices like acupuncture and want to develop a balanced approach to your clients' health and well being. You're inspired by nature and see the interconnectedness of the Earth's systems. You want to know yourself better, and through that knowing, help others in the process.

Specifically designed for entrance into the Nelson, BC, our program meets most of the BC licensing requirements for two years of directed university study.

You'll get a well-rounded blend of arts and sciences courses in subjects like:

- Anthropology
- Sociology
- Statistics
- Mathematics for Teachers
- Addictions
- Literature
- Psychology
- Chemistry
- Biology

TRADITIONAL CHINESE MEDICINE

selkirk.ca/program/traditional-chinese-medicine

Year 2

- All philosophy courses can be taken online elsewhere. Go to BCCAMPUS for details.
- Students without Chemistry 12 need to take CHEM 110.
- Some second-year courses have first-year prerequisites, so please choose your first-year courses accordingly.

SEMESTER 3

Course	Name		Credit
BIOL 104	Biology I	On Campus	3
CHEM 110	Fundamentals of Chemistry	On Campus	3
CHEM 122	General Chemistry I	On Campus	3
PHIL 200	Contemporary Moral Problems I	On Campus	3
PSYC 240	Child Development	On Campus	3
ELECTIVE 111	Second Year Arts Elective	On Campus	
Total			15

SEMESTER 4

Course	Name		Credit
BIOL 106	Biology II	On Campus	3
CHEM 125	Foundations of Chemistry II	On Campus	4
PHIL 201	Contemporary Moral Problems II	On Campus	3
PSYC 241	Adult Development	On Campus	3
ELECTIVE 111	Second Year Arts Elective	On Campus	
Total			13

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.

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.

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.

CHEM 110 - FUNDAMENTALS OF CHEMISTRY

This introductory general chemistry course leads into science or engineering programs for students who have taken Chemistry 11 (or equivalent) or who need improvement to their chemistry background. It provides an extensive review of the fundamentals of chemical nomenclature, reactions and stoichiometry involving solids, gases and solutions. Current theories of atomic and molecular structure are introduced. The lab portion of this course is the same as CHEM 122.

Pre-requisites: Chem 11 or Chem 050, and Pre-calculus Math 11 (Principles of Math 11) or Math 050. Pre-calculus Math 12 (Principles of Math 12) or Math 051 is recommended. Each course must have a grade of "C" or better.

CHEM 122 - GENERAL CHEMISTRY I

This introductory general chemistry course leads 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 lab work stresses scientific observations and measurements using chemical syntheses and quantitative analyses.

Pre-requisites: Chem 12 or Chem 110, and Pre-Calculus MATH 11 (Principles of Math 11) or Math 050. Pre-calculus Math 12 (Principles of Math 12) or Math 051 is recommended. Each course must have a grade of grade of "C" or better.

CHEM 125 - FOUNDATIONS OF CHEMISTRY II

This general chemistry course is the continuation of either Chemistry 110 or Chemistry 122. Chemistry 125: Foundations of Chemistry II begins with an investigation of intermolecular forces in liquids and solids, followed by the colligative properties of solutions. Next, it presents the principles of equilibria applied to pure substances and aqueous solutions of acids, bases and salts. The laws of thermodynamics applied to chemical substances are introduced. The field of organic chemistry is surveyed; 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.

ELECTIVE 111 - SECOND YEAR ARTS ELECTIVE

A student is to take a second year arts elective.

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.

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.

PHIL 200 - CONTEMPORARY MORAL PROBLEMS I

Explores contemporary moral problems in social ethics. We discuss societal problems such as sexual morality, censorship, racism and sexism, oppression, economic justice, drug legalization and addiction, and world hunger.

Pre-requisites: ENGL 12 or equivalent with a "C" or better, Level 4 LPI or written permission of the Instructor and School Chair.

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 equivalent 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 or equivalent 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.

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.

Contacts

UNIVERSITY ARTS & SCIENCES ADMISSIONS CONTACT

Admissions Officer (Castlegar)
Phone: 1.888.953.1133 ext 21233
Direct: 250.365.1233
Email: rwalker@selkirk.ca

UNIVERSITY ARTS & SCIENCES CONTACT

Program Contact
Phone: 1.888.953.1133 ext 21205
Direct: 250.365.1205
Email: UAS@selkirk.ca

DAVID FELDMAN

School Chair, UAS, Instructor, Mathematics
Phone: 1.888.953.1133 ext 21331
Direct: 250.365.1331
Email: dfeldman@selkirk.ca

Transformative Justice

selkirk.ca/program/transformative-justice-advanced-certificate

Course of Studies

Course	Name		Credit
PEAC 203	Introduction to Transformative Justice: Theory and Practice	On Campus	3
PEAC 301	Directed Studies in Transformative Justice	On Campus	3
PEAC 303	Transformative Justice Practice	On Campus	3
PEAC 305	Mediation Skills	On Campus	2
Total			11

ACCREDITATION:

Advanced Certificate

CAMPUS:

Castlegar Campus

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.

Program Courses

PEAC 203 - INTRODUCTION TO TRANSFORMATIVE JUSTICE: THEORY AND PRACTICE

Peace Studies 203 will explore transformative justice as theory, as process and as practice. The course will offer model for integration of law and the individual—where restorative and transformative justice are viewed in the context of Canada's criminal justice system. But course exploration will move beyond the limits of criminal justice to learn how transformative justice is practiced in the community and around the globe. There will be an attempt to say how transformative justice theory and practice critically examine social, economic and political structures and systems that underlie much of our conflict at all levels. Following an introduction to the theory and practice of transformative justice, the class will focus on specific themes and topics – how transformative justice principles can be applied to specific areas such as the environment, community building, post war reconciliation, and other issues. Assignments will focus on solutions and models for peace-building, social integration and positive social change.

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

This course will build on the theory of PEAC 203 to facilitate the student's ability to connect the concepts of transformative justice with his or her area of interest or expertise. Through independent and directed study, the student applies the concepts of addressing conflict through building of relationships, healing and reconciliation in areas beyond the criminal justice system. Also, the learner will explore how current ways of "doing", "being" and "knowing" are seen through a critical lens to address the underlying political social and economic injustices and how they apply to the area of interest. The outcome of this course is that the learner will develop a project proposal for their practice course PEAC 303.

Pre-requisites: PEAC 203 or written permission of the Instructor and School Chair.

PEAC 303 - TRANSFORMATIVE JUSTICE PRACTICE

In this practice course, the student will complete a 90-hour practicum, based on his/her project proposal from PEAC 301. The practicum will include a contract with an organization that is connected with the learner's area of interest. The practicum will enable the student to demonstrate enacting the principles of transformative justice. The student will work collaboratively with both the instructor and a field guide (from the partnered organization) who currently is a practitioner in the student's area of interest.

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: rwalker@selkirk.ca

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

DAVID FELDMAN
School Chair, UAS, Instructor, Mathematics
Phone: 1.888.953.1133 ext 21331
Direct: 250.365.1331
Email: dfeldman@selkirk.ca

University Studies General

selkirk.ca/program/university-studies-general

CAMPUS:

Castlegar Campus

Program Summary

The School of University Arts and Sciences offers over 100 courses in university-level 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 Sciences 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, MDPHd), 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 degree programs within any one particular discipline, such as English, biology, anthropology, and sociology, etc.

Contacts

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Admissions Officer (Castlegar)
Phone: 1.888.953.1133 ext 21233
Direct: 250.365.1233
Email: rwalker@selkirk.ca

UNIVERSITY ARTS & SCIENCES

Program Contact
Phone: 1.888.953.1133 ext 21205
Direct: 250.365.1205
Email: UAS@selkirk.ca

DAVID FELDMAN

School Chair, UAS, Instructor, Mathematics
Phone: 1.888.953.1133 ext 21331
Direct: 250.365.1331
Email: dfeldman@selkirk.ca

**FOR UNIVERSITY ARTS & SCIENCES
COURSE DESCRIPTIONS:**

see page 261

ACCREDITATION:
Welding

CAMPUS:
Silver King Campus

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 (each level is 8 wks long) and a fourth level called Special Metals Endorsement SME (5 wks).

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 Foundation is a 28-week introductory program 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 shop activities. In the classroom, they learn theoretical principals 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 3 Welding is an 8-week program 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 receiving focused training on the job and so the in-school technical training is only 8 weeks long. Upon completion of Level 3 Welding, students write the Inter-Provincial (Red Seal) Welder exam. Those with a passing grade on the Red Seal exam and 4,500 hours of Workplace-Based Training earn

the Welder Certificate of Qualification as well as the Inter-Provincial (IP) Red Seal Standard.

Special Metals Endorsement SME is a 5 week program that covers material similar to Welder A. Upon successful completion of the SME program and a further 900 hours of work-place hours Welders earn the SME endorsement and an SME Stamp will be placed in their logbook by the ITA.

Specialty Metals Endorsement 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 "Specialty Metals Endorsement" 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 CWB or ASME trade endorsements. Selkirk College is authorized to grant ASME and CWB certifications to welders who demonstrate competence in specific processes.

ACE IT HIGH SCHOOL TRANSITION PROGRAMS

This program qualifies for high school transitions. A program that is designed to help secondary school students get a head-start on their trades careers, while earning graduation credit, the BC Industry Training Authority (ITA) Accelerated Credit Enrolment in Industry Training (ACE IT) program is a perfect way to learn more about the industry.

Speak with your high school guidance counsellor to learn more. Get in touch with our ITT admin assistant by email or phone: 1.866.301.6601 x13221

Admission Requirements

The following admission requirements are specific to the Welding 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 ABE 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 have completed

WELDING

selkirk.ca/welding

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)

- Good hand/eye coordination
- 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.

WELDER 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.

Important Dates

2015

- January 5 - Program continues
- March 26 - Welder Foundation ends
- September 8 - Welder Foundation begins
- December 17 - Winter break
- March 31, 2016 - Program ends

Modular Welder B or Welder A, Level 3 Welder, Specialty Metals Endorsement and Welder Upgrader are continuous intake between the months of September to December and April to May. Please contact Admissions at 250.354.3204 or 1.888.953.1133 x13204 for availability.

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

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

BRENDA WIEST
Admissions Officer
Phone: 250.352.6601 ext 13204
Direct: 250.354.3204
Email: bwiest@selkirk.ca

ROB SCHWARZER
School Chair
Phone: 250.352.6601
Fax: 250.352.3180
Email: rschwarzer@selkirk.ca

LENGTH OF STUDY:

Up to One Year

ACCREDITATION:

General Associate of Arts and Transfer to BA

CAMPUS:

Castlegar Campus

Contacts

UNIVERSITY ARTS & SCIENCES ADMISSIONS

Admissions Officer (Castlegar)
Phone: 1.888.953.1133 ext 21233
Direct: 250.365.1233
Email: rwalker@selkirk.ca

UNIVERSITY ARTS & SCIENCES

Program Contact
Phone: 1.888.953.1133 ext 21205
Direct: 250.365.1205
Email: UAS@selkirk.ca

DAVID FELDMAN

School Chair, UAS, Instructor, Mathematics
Phone: 1.888.953.1133 ext 21331
Direct: 250.365.1331
Email: dfeldman@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, sexual orientation, etc. and how these interact with the world around you.

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

WS 101 - Women's Studies II

CAREER POTENTIAL

Courses in Women's Studies will provide you with knowledge in many careers available, for example:

- Child life specialist
- Community worker
- Social worker
- Family support worker
- Educator
- Researcher
- Policy analyst
- Lawyer

**FOR UNIVERSITY ARTS & SCIENCES
COURSE DESCRIPTIONS:**

see page 261

Workplace Communications

selkirk.ca/program/workplace-communications

Course of Studies

Course	Name		Credit
TWC 164	Introduction to Report and Letter Writing	On Campus	3
TWC 165	Oral Presentations and Skills Training	On Campus	3
PEAC 101	Peace Studies II	On Campus	3
HSER 174	Interpersonal Communications I	On Campus	3
Total			12

ACCREDITATION:
Advance Certificate

CAMPUS:
Castlegar Campus

TWC 165 - ORAL PRESENTATIONS AND SKILLS TRAINING

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 or ENGL 110.

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 advanced 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)

Leading to engaging employment opportunities at Celgar, you'll get fundamental communications training with an emphasis on interpersonal and professional workplace communications skills specifically, written, oral and behavioural.

COURSES INCLUDE:

- TWC 164-3: Technical Writing and Communications I
- TWC 165-3: Technical Writing and Communications II
- PEAC 101-3: Peace Studies II (Conflict Resolution)
- HSER 174-3: Interpersonal Communications

Program Courses

HSER 174 - INTERPERSONAL COMMUNICATIONS I

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. Designed to help gain self-understanding in order to be more effective in working with people.

PEAC 101 - PEACE STUDIES II

This course 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

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: rwalker@selkirk.ca

UNIVERSITY ARTS & SCIENCES

Program Contact
Phone: 1.888.953.1133 ext 21205
Direct: 250.365.1205
Email: UAS@selkirk.ca

DAVID FELDMAN

School Chair, UAS, Instructor, Mathematics
Phone: 1.888.953.1133 ext 21331
Direct: 250.365.1331
Email: dfeldman@selkirk.ca

Course of Studies

The Workplace Readiness certificate gives you front-of-the-line status for a job interview at Zellstoff Celgar. The certificate is awarded to those who complete these four mandatory courses plus six other courses preferably chosen from this list of recommended courses:

Course	Name		Credit
ADMN 171	Management Principles	On Campus	3
CHEMISTRY	Chemistry Requirement: CHEM 110 or CHEM 122	On Campus	3
COMM 220	Principles of Organizational Behaviour	On Campus	3
MATH 125	Business Mathematics	On Campus	3
PEAC 100	Peace Studies I	On Campus	3
PSYC 100	Introductory Psychology I	On Campus	3
SOC 120	Introductory Sociology I	On Campus	3
SOC 121	Introductory Sociology II	On Campus	3
WS 100	Women's Studies I	On Campus	3
Total			27

ACCREDITATION:

Certificate

CAMPUS:

Castlegar Campus

MATH 125 - BUSINESS MATHEMATICS

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: Foundations of Math 11 or equivalent with grade of "C+" or better, or written permission of the Instructor and School Chair.

PEAC 100 - PEACE STUDIES I

This interdisciplinary and values-based course 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.

Program Summary

Get front-of-the-line status for a job interview!

PROGRAM OVERVIEW

Through the completion of four mandatory and six recommended courses, you'll learn a wide range of employability, academic and communications skills that will serve you well on the job and in life.

COURSES INCLUDE

Mandatory courses cover technical writing, peace studies, interpersonal and workplace communications. In addition to these courses, take your pick of six of the following recommended courses:

- Management Principles
- Fundamentals of Chemistry or
- General Chemistry
- Organizational Behaviour
- Business Mathematics
- Peace Studies I
- Introductory Psychology 1
- Introductory Sociology and
- Introductory Sociology 2
- Women's Studies I

Program Courses

ADMN 171 - MANAGEMENT PRINCIPLES

Management Principles is an introduction to management theory, philosophy and techniques including the specialized areas of entrepreneurship, small business, and hospitality and service industries.

Pre-requisites: COMM 220 is recommended.

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: Program admission standards.

WORKPLACE READINESS

selkirk.ca/program/workplace-readiness

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

UNIVERSITY ARTS & SCIENCES ADMISSIONS

Admissions Officer (Castlegar)
Phone: 1.888.953.1133 ext 21233
Direct: 250.365.1233
Email: rwalker@selkirk.ca

UNIVERSITY ARTS & SCIENCES

Program Contact
Phone: 1.888.953.1133 ext 21205
Direct: 250.365.1205
Email: UAS@selkirk.ca

DAVID FELDMAN

School Chair, UAS, Instructor, Mathematics
Phone: 1.888.953.1133 ext 21331
Direct: 250.365.1331
Email: dfeldman@selkirk.ca

Course of Studies

The following is a suggested mix of courses to satisfy requirements for the Liberal Arts Diploma in Writing Studies. Courses should be chosen only after consultation with a Selkirk College counsellor.

- Semester 1: Take Three 100- or 200 level University Arts or Science Electives
- Semester 2: Take Three 100- or 200 level University Arts or Science Electives
- Semester 3: Take Two or 100- or 200 level University Arts or Science Electives
- Semester 4: Take Two 100- or 200 level University Arts or Sciences Electives

Course	Name		Credit
CWRT 100	Studies in Writing I	On Campus	3
CWRT 101	Studies in Writing II	On Campus	3
CWRT 200	Studies in Writing III	On Campus	3
CWRT 201	Studies in Writing IV	On Campus	3
CWRT 210	Ecopoetics	Online	3
ENGL 110	College Composition	On Campus	3
ENGL 111	Introduction to Literature	On Campus	3
ENGL 112	Introduction to Poetry and Drama	On Campus	3
ENGL 114	Introduction to Prose Fiction	On Campus	3
ENGL 200	A Survey of English Literature I	On Campus	3
ENGL 201	A Survey of English Literature II	On Campus	3
ENGL 202	Canadian Literature I: Indigenous Voices	On Campus	3
ENGL 203	Canadian Literature II: Contemporary Voices	On Campus	3
ENGL 204	Children's Literature I: From Rags to Riches and Worlds of Magic	On Campus	3
ENGL 205	Children's Literature II: From Hell to Heaven and Everything in Between	On Campus	3

Program Summary

We'll give you the professional skills you need to turn your creative writing into a viable career.

PROGRAM OVERVIEW

With a strong emphasis on portfolio development and professional practices in combination with university transferable liberal arts coursework, graduates from the Studies in Writing program will be better positioned to compete for placement in university writing programs or to continue with their own writing practice. This program is designed for students of writing who have an authentic curiosity for a wide range of subject areas. Students who complete two years (60 credits) of courses with a minimum grade point average of 2.00 ("C" average) will be awarded a Liberal Arts Diploma in Writing Studies.

BECOME A PROFICIENT WRITER

You've always spent time diligently journaling and chronicling your life's moments. You're fascinated by the emotional response poetry and prose can evoke. You're part of a book club and love taking the stage to perform in literary nights and poetry slams. You've been doing this for so long, you might as well get paid for it and now you can.

Designed to give you the professional skills you need to turn your creative writing into a viable career, this two-year transferable program takes you through the writing process from initial idea to polished manuscript. Studying a combination of personal composition and literary criticism, you'll get a solid foundation upon which to study the work of others and to create your own informed work. In other words, learning to read and interpret great literature will help you to improve and strengthen your own writing craft too.

LENGTH OF STUDY:

Two Years

ACCREDITATION:

Liberal Arts Diploma

CAMPUS:

Castlegar Campus

CORE COURSES:

- Composition
- Poetry
- Drama
- Literature
- Canadian Literature
- Studies in writing

Admission Requirements

ADMISSION REQUIREMENTS

Admission to the program requires the completion of English 12 with a grade of "C" or better. Other prerequisites depend on the electives you choose to make up your program. Please consult with a Selkirk College counsellor for more information.

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.

YOU MAY ALSO BE INTERESTED IN:

Creative Writing

see page 50

WRITING STUDIES

selkirk.ca/program/writing-studies-liberal-arts-diploma

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 English 112/114.

CWRT 200 - STUDIES IN WRITING III

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.

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.

CWRT 210 - ECOPOETICS

CWRT 210 - Eco-poetics 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.

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 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.

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.

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.

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.

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.

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.

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.



Contacts

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

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

DAVID FELDMAN
 School Chair, UAS, Instructor, Mathematics
 Phone: 1.888.953.1133 ext 21331
 Direct: 250.365.1331
 Email: dfeldman@selkirk.ca

UNIVERSITY
ARTS & SCIENCES
COURSES

Humanities

ENGLISH

ENGL 051 – Introductory Composition
 ENGL 110 – College Composition
 ENGL 111 – Introduction to Literature
 ENGL 112 – Introduction to Poetry and Drama*
 ENGL 114 – Introduction to Prose Fiction*
 ENGL 200 – Survey of English Literature I
 ENGL 201 – Survey of English Literature II
 ENGL 202 – Canadian Literature I
 ENGL 203 – Canadian Literature II
 ENGL 204 – Children’s Literature I
 ENGL 205 – Children’s Literature II

FRENCH

FREN 102 – Beginner’s French I
 FREN 103 – Beginner’s French II
 FREN 112 – First-Year French I
 FREN 113 – First-Year French II
 FREN 122 – Contemporary French Language and Literature I
 FREN 123 – Contemporary French Language and Literature II

HISTORY

HIST 104 – Canada Before Confederation
 HIST 105 – Contemporary Canada
 HIST 106 – Western Civilization I
 HIST 107 – Western Civilization II
 HIST 203 – History of British Columbia
 HIST 210 – History of the First Nations of Canada
 HIST 215 – History of the West Kootenay
 HIST 220 – Latin America: Pre-1821
 HIST 221 – Latin America: Post-1821

PEACE STUDIES

PEAC 100 – Peace Studies I
 PEAC 101 – Peace Studies II
 PEAC 201 – From Water to Chocolate: Resources, Conflict and Justice
 PEAC 202 – Leadership for Peace: the Individual and Social Transformation
 PEAC 203 – Introduction to Transformative Justice: Theory and Practice
 PEAC 205 – Global Perspectives in Peace: An Independent Studies Course
 PEAC 301 – Directed Studies in Transformative Justice
 PEAC 303 – Transformative Justice Practice
 PEAC 305 – Mediation Skills

SPANISH

SPAN 102 – Beginner’s Spanish I
 SPAN 103 – Beginner’s Spanish II
 SPAN 112 – First Year Spanish I
 SPAN 113 – First Year Spanish II
 SPAN 122 – Contemporary Spanish Language and Literature I
 SPAN 123 – Contemporary Spanish Language and Literature II

CREATIVE WRITING

CWRT 100 – Studies in Writing I
 CWRT 101 – Studies in Writing II
 CWRT 200 – Studies in Writing III
 CWRT 201 – Studies in Writing IV
 CWRT 210 – Eco-poetics

Social Sciences

ANTHROPOLOGY

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

ECONOMICS

ECON 106 – Principles of Macroeconomics
 ECON 107 – Principles of Microeconomics
 ECON 216 – Environmental Economics*

GEOGRAPHY

GEOG 130 – Introduction to Physical Geography
 GEOG 136 – Geography of British Columbia
 GEOG 140 – Introduction to Cultural Geography
 GEOG 232 – Geomorphology*

PSYCHOLOGY

PSYC 100 – Introductory Psychology I
 PSYC 101 – Introductory Psychology II
 PSYC 200 – Biological Psychology
 PSYC 202 – Research Methods
 PSYC 230 – Emotional and Social Disorders
 PSYC 231 – Psychotic and Organic Disorders
 PSYC 240 – Child Development
 PSYC 241 – Adult Development

SOCIOLOGY

SOC 120 – Introductory Sociology I
 SOC 121 – Introductory Sociology II
 SOC 200 – Deviance and Social Control
 SOC 205 – Introduction to Social Research
 SOC 215 – Canadian Social Structure
 SOC 225 – Introduction to Sociological Theory

WOMEN’S STUDIES

WS 100 – Women’s Studies I
 WS 101 – Women’s Studies II

* Currently this course is not offered every year. Please contact the School Chair to determine availability.

Sciences

ASTRONOMY

ASTR 102 – Introduction to Astronomy*

BIOLOGY

BIOL 050 – Introduction to Biology I

BIOL 051 – Introduction to Biology II

BIOL 104 – Biology I

BIOL 106 – Biology II

BIOL 164 – Human Anatomy and Physiology I

BIOL 165 – Human Anatomy and Physiology II

BIOL 202 – Principles of Genetics*

BIOL 204 – Cell Biology*

BIOL 206 – Introductory Biochemistry

BIOL 212 – Microbiology

CHEMISTRY

CHEM 050 – Basic Principles of Chemistry

CHEM 110 – Fundamentals of Chemistry

CHEM 122 – General Chemistry I

CHEM 125 – Foundations of Chemistry II

CHEM 211 – Introductory Analytical Chemistry*

CHEM 212 – Organic Chemistry I

CHEM 213 – Organic Chemistry II

CHEM 220 – Introductory Inorganic Chemistry*

CHEM 222 – Introductory Physical Chemistry

COMPUTER SCIENCE

CPSC 100 – Introduction to Programming I

CPSC 101 – Introduction to Programming II

GEOGRAPHY

GEOG 130 – Introduction to Physical Geography

GEOG 136 – Geography of British Columbia

GEOG 140 – Introduction to Cultural Geography

GEOG 232 – Geomorphology*

GEOLOGY

GEOL 132 – Introduction to Physical Geology

GEOL 142 – Introduction to Historical Geology

MATHEMATICS

MATH 050 – Algebra and Trigonometry I

MATH 051 – Algebra and Trigonometry II

MATH 097 – Calculus Refresher

MATH 098 – Business Math Refresher

MATH 099 – Environment & Geomatics Math

Refresher

MATH 100 – Calculus I

MATH 101 – Calculus II

MATH 112 – Precalculus*

MATH 125 – Business Mathematics

MATH 140 – Calculus I for Social Sciences

MATH 160 – Technical Math Review

MATH 180 – Mathematics for Teachers

MATH 181 – Problem Solving in Foundational

Mathematics

MATH 190 – Resource Statistics I

MATH 200 – Multivariable Calculus*

MATH 215 – Differential Equations*

MATH 221 – Introductory Linear Algebra

MATH 291 – Resource Statistics II

MATH 292 – Resource Statistics III*

PHYSICS

PHYS 050 – Basic Principles of Physics

PHYS 060 – Physics, Provincial Level

PHYS 102 – Basic Physics I

PHYS 103 – Basic Physics II

PHYS 104 – Fundamental Physics I

PHYS 105 – Fundamental Physics II

STATISTICS

STAT 105 – Introduction to Statistics

STAT 206 – Statistics

Applied Sciences

ENGINEERING

APSC 100 – Engineering Graphic Communications

APSC 120 – Introduction to Engineering

* Currently this course is not offered every year. Please contact the School Chair to determine availability.

UNIVERSITY ARTS & SCIENCES COURSES (A–Z)

selkirk.ca/uas/uas-courses-subjects

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.

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.

Please note the field school runs on alternate years. The next offering will be in spring 2017.

Co-requisites: ANTH 210 - Introduction to Archaeology.

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

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.

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: 0

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 spectrometers, 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

BIOL 050 - INTRODUCTION TO BIOLOGY I

This course is an appropriate introduction to biology for students lacking high school prerequisites who wish to enter a course or program requiring Grade 11 biology, or who simply want to refresh their knowledge of the subject. Biology 050 provides a basic introduction to the characteristics of living things: biologically important principles of chemistry and physics, cell structure in plants and animals, bioenergetics, diversity, ecology and evolution.

Pre-requisites: ENGL 10

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.

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.

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 12, 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.

Prerequisites: 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.

Prerequisites: 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

This course is currently not running. See a Selkirk College counsellor for options.

BIOL 212: Microbiology is a survey of the microbial world, with discussions of the medical and ecological significance of key organisms. The biology of microorganisms (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

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 a experimental science. Chemical symbols, nomenclature and the quantitative aspects of chemical reactions are emphasized. The fundamentals of classical atomic and molecular structure are presented. The field of organic chemistry is briefly introduced. The laboratory experiments provide opportunities to work with standard labware and apparatus, to observe a variety of chemical reactions and to carry out some quantitative measurements.

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

CHEM 110 - FUNDAMENTALS OF CHEMISTRY

This introductory general chemistry course leads into science or engineering programs for students who have taken Chemistry 11 (or equivalent) or who need improvement to their chemistry background. It provides an extensive review of the fundamentals of chemical nomenclature, reactions and stoichiometry involving solids, gases and solutions. Current theories of atomic and molecular structure are introduced. The lab portion of this course is the same as CHEM 122.

Pre-requisites: Chem 11 or Chem 050, and Pre-calculus Math 11 (Principles of Math 11) or Math 050. Pre-calculus Math 12 (Principles of Math 12) or Math 051 is recommended. Each course must have a grade of "C" or better.

Course Credit: 3

CHEM 122 - GENERAL CHEMISTRY I

This introductory general chemistry course leads 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 lab work stresses scientific observations and measurements using chemical syntheses and quantitative analyses.

Pre-requisites: Chem 12 or Chem 110, and Pre-Calculus MATH 11 (Principles of Math 11) or Math 050. Pre-calculus Math 12 (Principles of Math 12) or Math 051 is recommended. Each course must have a grade of grade of "C" or better.

Course Credit: 3

UNIVERSITY ARTS & SCIENCES COURSES (A–Z)

selkirk.ca/uas/uas-courses-subjects

CHEM 125 - FOUNDATIONS OF CHEMISTRY II

This general chemistry course is the continuation of either Chemistry 110 or Chemistry 122. Chemistry 125: Foundations of Chemistry II begins with an investigation of intermolecular forces in liquids and solids, followed by the colligative properties of solutions. Next, it presents the principles of equilibria applied to pure substances and aqueous solutions of acids, bases and salts. The laws of thermodynamics applied to chemical substances are introduced. The field of organic chemistry is surveyed; 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: 4

CHEM 211 - INTRODUCTORY ANALYTICAL CHEMISTRY*

Introductory Analytical Chemistry, introduces students to the basics of quantitative analysis. Propagation of experimental error and the statistical analysis of replicate measurements will be used to assess the reliability of analytical results. Spreadsheets will be used to make manipulation of large pools of data more manageable. Specific analytical techniques to be investigated include titrimetry, electrochemistry, spectrophotometry and chromatography. In the lab, students will learn to make measurements that are both accurate and precise, and will analyze samples using the techniques listed above.

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

Course Credit: 3

* Currently this course is not offered every year. Please contact the School Chair to determine availability.

CHEM 212 - ORGANIC CHEMISTRY I

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 alkynes and alcohols is examined. Structure-determination techniques, including IR and NMR, are explored. The laboratory work of 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.

Course Credit: 3

CHEM 213 - ORGANIC CHEMISTRY II

Organic Chemistry II is a continuation of CHEM 212. The survey of organic families is continued with a study of aromatic compounds, alcohols, ethers, aldehydes and ketones, as well as carboxylic acids and carboxylic acid derivatives. 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.

Course Credit: 3

CHEM 220 - INTRODUCTORY INORGANIC CHEMISTRY*

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.

Course Credit: 3

* Currently this course is not offered every year. Please contact the School Chair to determine availability.

CHEM 222 - INTRODUCTORY PHYSICAL CHEMISTRY

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

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

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 English 112/114.

Course Credit: 3

CWRT 200 - STUDIES IN WRITING III

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

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

ECON 216 - ENVIRONMENTAL ECONOMICS*

Economic analysis of environmental problems (water and air pollution, etc.). Tools developed in Economic Principles will be applied to pollution control issues. Market and non-market regulation of environmental problems will be explored.

Pre-requisites: ECON 106 and 107 with a grade of "C" or better or written permission of the Instructor and School Chair. These prerequisites are not required for students registered in the Integrated Environmental Planning program.

Course Credit: 3

* Currently this course is not offered every year. Please contact the School Chair to determine availability.

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 equivalent, 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

* Currently this course is not offered every year. Please contact the School Chair to determine availability.

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

* Currently this course is not offered every year. Please contact the School Chair to determine availability.

UNIVERSITY ARTS & SCIENCES COURSES (A–Z)

selkirk.ca/uas/uas-courses-subjects

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.

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

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

GEOG 130 - INTRODUCTION TO PHYSICAL GEOGRAPHY (LAB SCIENCE)

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 - THE 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

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 GEOL 132 or RRS 164 with a grade of "C" or better, or written permission of the Instructor and School Chair.

Course Credit: 3

* Currently this course is not offered every year. Please contact the School Chair to determine availability.

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

A study of Earth history and the development of life with particular reference to North America. Measuring geological time by understanding and applying stratigraphic principles, paleontology and radioactive decay. Examining the fossil record of adaptation and extinction with emphasis on the interaction of biological and geological processes. Mechanisms of past global environmental and climate change.

Pre-requisites: GEOL 132 with a grade of "C" or better or written permission of the Instructor and School Chair.

Course Credit: 3

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 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 better 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.

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selkirk.ca/uas/uas-courses-subjects

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

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. This courses 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
- exponential and logarithmic functions

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.

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.

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: Foundations of Math 11 or equivalent with grade of "C+" or better, or written permission of the Instructor and School Chair.

Course Credit: 3

† Math Refresher courses are offered at the end of August each year.

MATH 140 - CALCULUS I FOR SOCIAL SCIENCES

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, elementary differential equations and some applications.

Pre-requisites: *Pre-calculus 12, Principles of MATH 12, MATH 60 or MATH 051 or equivalent with a grade of "C" or better, or written permission of the Instructor and School Chair.*

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: 4

MATH 181 - PROBLEM SOLVING IN FOUNDATIONAL MATHEMATICS

Designed to follow MATH 180, Math 181: Problem Solving in Foundational Mathematics 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 160.*

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 290 - Resource Statistics I. Topics include linear regressions and correlation, inferential statistics, confidence intervals, hypothesis testing, goodness of fit and contingency tables.

Pre-requisites: *Math 190*

Course Credit: 2

PEAC 100 - PEACE STUDIES I

This interdisciplinary and values-based course 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.*

Course Credit: 3

PEAC 101 - PEACE STUDIES II

This course 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 looks at conflicts around the world related to water, timber, diamonds, gold, oil and cocoa, along with a broad range of constructive approaches to ameliorating them, including environmental peacebuilding, certification, solidarity, international accompaniment, nonviolent direct action, divestment, and fair/direct trade. We focus especially on the growing power of nonviolent citizen movements resisting oil extraction, pipelines, fracking and climate change in favour of renewable energy, Indigenous rights and climate justice, both abroad and in our own backyards.

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

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". Each semester Peace

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Studies 202 will focus on one or two leaders in peace - ranging from the political action of Gandhi or Nelson Mandela, to the ideas of Tolstoy or Martin Luther King, to the traditional cultural practices of indigenous peoples, or the human insights of spiritual leaders from diverse cultures. These lives will be measured against issues of authority, power, legitimacy and the will to truth, reconciliation, compassion and healing.

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

Peace Studies 203 will explore transformative justice as theory, as process and as practice. The course will offer model for integration of law and the individual—where restorative and transformative justice are viewed in the context of Canada's criminal justice system. But course exploration will move beyond the limits of criminal justice to learn how transformative justice is practiced in the community and around the globe. There will be an attempt to say how transformative justice theory and practice critically examine social, economic and political structures and systems that underlie much of our conflict at all levels. Following an introduction to the theory and practice of transformative justice, the class will focus on specific themes and topics – how transformative justice principles can be applied to specific areas such as the environment, community building, post war reconciliation, and other issues. Assignments will focus on solutions and models for peace-building, social integration and positive social change.

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

This course will build on the theory of PEAC 203 to facilitate the student's ability to connect the concepts of transformative justice with his or her area of interest or expertise. Through independent and directed study, the student applies the concepts of addressing conflict through building of relationships, healing and reconciliation in areas beyond the criminal justice system. Also, the learner will explore how current ways of "doing", "being" and "knowing" are seen through a critical lens to address the underlying political social and economic injustices and how they apply to the area of interest. The outcome of this course is that the learner will develop a project proposal for their practice course PEAC 303.

Pre-requisites: PEAC 203 or written permission of the Instructor and School Chair.

Course Credit: 3

PEAC 303 - TRANSFORMATIVE JUSTICE PRACTICE

In this practice course, the student will complete a 90-hour practicum, based on his/her project proposal from PEAC 301. The practicum will include a contract with an organization that is connected with the learner's area of interest. The practicum will enable the student to demonstrate enacting the principles of transformative justice. The student will work collaboratively with both the instructor and a field guide (from the partnered organization) who currently is a practitioner in the student's area of interest.

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

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.

Prerequisites: Physics 11 and Math 11 (or equivalents)

Corequisites: Math 12 (or equivalent)

PHYS 102 - BASIC PHYSICS I

A non-calculus survey of mechanics, heat and vibrations. This course includes the topics of linear motion, projectile motion, newton's laws, energy, momentum, circular and rotational motion, thermal properties of matter, vibrations and sound.

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 12 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

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 equivalent 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 or equivalent or written permission of the Instructor and School Chair.

Course Credit: 3

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

UNIVERSITY ARTS & SCIENCES COURSES (A–Z)

selkirk.ca/uas/uas-courses-subjects

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

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 the concepts covered in previous levels, and expand their knowledge of grammar, usage, sentence development, and vocabulary skills.

Pre-requisites: *A "C" or better in Spanish 12 or Spanish 112/113 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

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 140 or an equivalent calculus course that introduces integral calculus.*

Course Credit: 3

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

APPLY

APPLICATIONS ARE ACCEPTED DURING THE 12-MONTH PERIOD PRECEDING THE START DATE FOR ANY PROGRAM. MOST OF OUR PROGRAM ADMISSIONS ARE FIRST COME, FIRST ACCEPTED, ACCORDING TO FILE COMPLETION. APPLY EARLY TO AVOID DISAPPOINTMENT.

1. CHOOSE

Before applying to Selkirk College you will need to know the field of study that you are interested in taking. Whether you are a student just starting your post-secondary journey or returning as a mature student, Selkirk offers a variety of options. Visit:

selkirk.ca/programs

2. REQUIREMENTS

To attend Selkirk College you can either demonstrate you have met the College and program prerequisites or register in preparation courses. First-time applicants are required to take the College Readiness Tool (CRT), a basic skills assessment of reading and math and used for advising purposes. Please review both general and program-specific admission requirements.

selkirk.ca/apply/admission-requirements

3. APPLICATION

You can apply in person, by mail or online through ApplyBC. A \$36 non-refundable application processing fee is required. Contact us via the details below or visit:

selkirk.ca/apply/step-3-fill-application

4. DOCUMENTATION

Along with your application, please include your secondary and any post-secondary transcripts. If you are currently enrolled in secondary school courses.

5. DEPOSIT

When accepted to your program, pay your seat deposit amount to confirm your enrolment and hold your seat in the program.

*Need help with your application?
Have a question for Admissions?*

Admissions Office, Castlegar Campus:

1-888-953-1133, Ext 21245

Admissions Office, Nelson Campus:

1-866-301-6601, Ext 13204

Email: info@selkirk.ca

PROGRAMS

THE ARTS

Contemporary Music & Technology
Digital Arts & New Media
Kootenay Studio Arts

- Blacksmithing
- Bronze Casting
- Ceramics
- Jewelry
- Open Studio
- Sculptural Metal
- Studio Arts Diploma
- Textiles

BUSINESS

Business Administration

- Accounting and Finance
- Professional Management

Post-Graduate Diploma
in Business Administration

Post-Graduate Diploma in Accounting

HEALTH

Advanced Medical Transcription
Gerontology
Health Care Assistant
Nursing
Nursing Unit Clerk
Pharmacy Technician

HOSPITALITY & TOURISM

Culinary Management
Esthetics
Golf Club Operations Online
Hairdressing
Professional Cook Training
Resort & Hotel Management
Ski Resort Operations & Management

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

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

ENVIRONMENT & GEOMATICS

Forest Technology
Geographic Information Systems
Integrated Environmental Planning Technology
Renewable Energy
Recreation, Fish & Wildlife Technology

SELKIRK INTERNATIONAL

Advanced Diploma in TESOL (*Teaching English to Speakers of Other Languages*)
English Language Program
English Language Tours
International Study Abroad Program

UNIVERSITY ARTS & SCIENCES

ARTS	SCIENCES
Anthropology	Astronomy
Creative Writing	Biology
Economics	Chemistry
English	Computer Science
French	Geography
History	Geology
Peace Studies	Engineering
Psychology	Mathematics
Sociology	Physics
Spanish	Rural Pre-Medicine
Women's Studies	Statistics

ONE YEAR PROGRAMS

Transformative Justice (*advanced certificate*)
Writing and Publishing
Workplace Communications
Workplace Readiness

ASSOCIATE OF ARTS DEGREES

Elementary Education
English
Entry to Traditional Chinese Medicine
General Arts
History
Psychology
Writing Studies

ASSOCIATE OF SCIENCES DEGREES

Biochemistry
Biology
Chemistry
Entry to Pharmacy
General Sciences

LIBERAL ARTS DIPLOMAS

Peace Studies
Writing Studies

Flexible Pre-Major:

- Anthropology
- English
- Psychology
- Sociology

THREE YEAR PROGRAMS

Rural Pre-Medicine

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

Accounting
Business Administration
Business & Tourism Management
Gerontological Nursing

ACADEMIC UPGRADING & DEVELOPMENT

Upgrading (grades 10, 11 & 12)
Adult Basic Education
Adult Special Education
Essential Skills
Literacy

DISTANCE EDUCATION/ONLINE PROGRAMS*

Advanced Medical Transcription
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 a full list of available courses and programs, visit selkirk.ca/transitions

