

2018-2019 Academic Calendar

toc: About This Calendar

About this Calendar

Cape Breton University produces its academic calendar in an online version. While the print and online versions are considered accurate at the time of production, the information in the calendar is under continuous review. CBU reserves the right to make such amendments and additions as deemed appropriate. As it readily allows for updates, the online academic calendar is the most current version. Where discrepancies exist between print and online versions, the online version shall be considered CBU's official statement.

For up-to-date online program and course information, admissions and academic regulations and more, go to <http://www.cbu.ca> and click on Academic Calendar in the links at the bottom of the page. For a list of important click on [Important Dates](#) in the links at the bottom of the page.

The CBU calendar is published by the Registrar's Office.

Note change : Academic Calendar moved from print to digital copy November 24, 2016

toc: Disclaimer

Disclaimer

When changes are made in program structure, a student already registered may choose to satisfy the new program requirements or to complete the program as it was when the student began his/her program if this is still possible and reasonable.

Cape Breton University (CBU) does not accept any responsibility for loss or damage suffered or incurred by any student as a result of suspension or termination of services, courses, or classes caused by reason of strikes, lockouts, riots, weather, damage to University property and any other cause beyond the reasonable control of CBU.

Each student bears the responsibility of ensuring that his/her course choices satisfy both the overall program regulations and the individual department regulations for specializations, concentrations or majors.

toc: Official Statement

Official Statement

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toc: About CBU

About CBU

Cape Breton University is an ordinary (full) member of the Association of Universities and Colleges of Canada (AUCC), the Association of Canadian Community Colleges (ACCC) and Association of Atlantic Universities (AAU), as well as an Associate Member of the Association of Commonwealth Universities

(ACU).

The CBU calendar is published by the Office of the Registrar.

toc: Calendar of Events

SEPTEMBER 2018

- 1 Residence Move-In
- 1 New Student Orientation begins.
- 3 Labour Day - CBU closed (Orientation/Frosh Week activities continue).
- 5 Classes begin.
- 6 Calculus Readiness Test at 4:00 p.m.
- 10 Calculus Readiness Test at 6:00 p.m.
- 14 Last date for students to finalize registration for Fall Term courses they are attending.
- 30 Deadline for payment of Fall Term fees.
- 30 Final date to opt out of the Students' Union health plan.

OCTOBER 2018

- 1 Treaty Day.
- 8 Thanksgiving Day – CBU closed.
- 14 FINAL DATE TO WITHDRAW FROM A FALL TERM (THREE-CREDIT) COURSE WITHOUT ACADEMIC PENALTY. FINANCIAL PENALTY WILL APPLY.

NOVEMBER 2018

- 1 FINAL DATE TO APPLY FOR SPRING GRADUATION.
- 3 Fall Convocation 2:00 pm.
- 12 Observance of Remembrance Day – CBU closed.
- 12-16 Fall Reading Week (no classes)

DECEMBER 2018

- 4 Last day of classes – Fall term.
- 7 Examinations begin.
- 17 Examinations end.
- 19 Final grades due by 4:00 p.m. in the Registrar's Office. Grades received after this date will not be processed until January 2019.
- 21 Fall grades accessible.
- 24 CBU offices closed at 12 noon.

JANUARY 2019

- 2 CBU re-opens.
- 2 Registration for Winter Term.
- 7 Classes begin- Winter Term.
- 15 Payment deadline for Winter Term fees.
- 16 Last date for students to finalize registration for Winter Term courses they are attending.
- 18 FINAL DATE TO WITHDRAW FROM A FULL-YEAR (SIX CREDIT) COURSE WITHOUT ACADEMIC PENALTY. FINANCIAL PENALTY WILL APPLY.

FEBRUARY 2019

- 18 Nova Scotia Heritage Day – CBU closed.
- 18-22 Reading Week (no classes).

MARCH 2019

- 1 FINAL DATE TO WITHDRAW FROM A WINTER-TERM (THREE-CREDIT) COURSE WITHOUT ACADEMIC

PENALTY. FINANCIAL PENALTY WILL APPLY.

4 FINAL DATE TO APPLY FOR ENTRANCE SCHOLARSHIPS FOR FALL 2019.

5 Registration begins for spring/summer courses.

APRIL 2019

5 Last day of classes-Winter Term.

6,8 In the event of campus closures due to winter storms, April 6 and 8 will be used as a make-up day. If usage is required, the class schedule will be determined by the Registrar's Office.

9 Examinations begin.

18 Examinations end.

19 Good Friday – CBU closed.

22 Easter Monday – CBU closed.

24 Final grades due by 4:00 p.m. in the Registrar's Office.

26 Final grades accessible.

MAY 2019

1 FINAL DATE TO APPLY FOR FALL GRADUATION.

6 Registration begins for fall/winter courses.

6 Spring graduation list posted at 1:30 p.m.

6 Classes begin – Spring session.

6 Classes begin for students in the BEd program.

6 Calculus Readiness Test at 4:00 p.m.

9 President's Convocation dinner.

11 Convocation – 2:00 p.m.

20 Victoria Day - CBU closed.

30 Payment deadline for Spring/Summer fees.

31 Last day of classes for three-credit May courses.

JUNE 2019

3 Classes begin for three-credit June courses.

3 Final Grades for three-credit courses ending in May due by 9:00 a.m. in the Registrar's Office.

5 Final grades for three-credit May courses accessible.

28 Spring session ends.

JULY 2019

1 Canada Day – CBU closed.

2 Classes begin – Summer session.

3 Final Grades for all courses ending in June due by 9:00 a.m. in the Registrar's Office.

5 Final grades for courses ending in June accessible.

26 Classes end for students in the BEd program.

30 Applications for admission, transfer credit or PLA received after this date may not be processed in time for September registration.

AUGUST 2019

2 Final grades for BEd courses due by 9:00 a.m. in the Registrar's Office.

5 Civic Day - CBU closed.

6 Summer session ends.

8 Final grades for summer session courses due by 9:00 a.m. in the Registrar's Office.

12 Final grades accessible.

SEPTEMBER 2019

2 Labour Day - CBU closed.

2 New Student Orientation begins.

3 Calculus Readiness Test at 4:00 p.m.

4 Classes begin.

4 Calculus Readiness Test at 6:00 p.m.

13 Last date for students to finalize registration for Fall Term courses they are attending.

30 Payment deadline for Fall Term fees.

30 Final date to opt out of the Students' Union health plan.

OCTOBER 2019

- 1 Treaty Day.
- 14 Thanksgiving Day – CBU closed.

NOVEMBER 2019

- 1 FINAL DATE TO WITHDRAW FROM A FALL TERM (THREE-CREDIT) COURSE WITHOUT ACADEMIC PENALTY. FINANCIAL PENALTY WILL APPLY.
- 1 FINAL DATE TO APPLY FOR SPRING GRADUATION.
- 2 Fall Convocation 2:00 pm.
- 11 Remembrance Day- CBU closed.
- 11-15 Fall Reading Week (no classes).

DECEMBER 2019

- 3 Last day of classes – Fall term.
- 5 Examinations begin.
- 16 Examinations end.
- 18 Final grades due by 4:00 p.m. in the Registrar's Office. Grades received after this date will not be processed until January 2020.
- 20 Fall grades accessible.
- 24 CBU offices closed at 12 noon for Christmas Break.

JANUARY 2020

- 2 CBU re-opens.
- 2 Registration for Winter Term.
- 6 Classes begin –Winter Term.
- 15 Last date for students to finalize registration for Winter Term courses they are attending.
- 17 FINAL DATE TO WITHDRAW FROM A FULL-YEAR (SIX-CREDIT) COURSE WITHOUT ACADEMIC PENALTY. FINANCIAL PENALTY WILL APPLY.
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- 17 Nova Scotia Heritage Day- CBU closed.
- 17-21 Winter Reading Week (no classes).
- 28 FINAL DATE TO WITHDRAW FROM A WINTER TERM (THREE-CREDIT) COURSE WITHOUT ACADEMIC PENALTY. FINANCIAL PENALTY WILL APPLY.

MARCH 2020

- 2 FINAL DATE TO APPLY FOR ENTRANCE SCHOLARSHIPS FOR FALL 2020.
- 3 Registration begins for spring/summer courses.

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- 3 Last day of classes - Winter Term.
- 4,6 In the event of campus closures due to winter storms, April 4 and 6 will be used as make-up days. If usage is required, the class schedule will be determined by the Registrar's Office.
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- 10 Good Friday – CBU closed.
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MAY 2020

- 1 FINAL DATE TO APPLY FOR FALL GRADUATION.
- 1 Registration begins for fall/winter courses.
- 4 Spring graduation list posted at 1:30 p.m.
- 4 Classes begin – Spring session.
- 4 Classes begin for students in the BEd program.

- 4 Calculus Readiness Test at 4:00 p.m.
- 8 President's Convocation dinner.
- 9 Convocation – 2:00 p.m.
- 18 Victoria Day - CBU closed.
- 29 Last day of classes for three-credit May courses.
- 30 Payment deadline for Spring/Summer fees.

JUNE 2020

- 1 Classes begin for three-credit June courses.
- 1 Final Grades for three-credit courses ending in May due by 4:00 p.m. in the Registrar's Office.
- 3 Final grades for three-credit May courses accessible.
- 26 Spring session ends.
- 29 Final Grades for all courses ending in June due by 4:00 p.m. in the Registrar's Office.

JULY 2020

- 1 Canada Day – CBU closed.
- 2 Classes begin – Summer session.
- 2 Final grades for courses ending in June accessible.
- 24 Classes end for students in the BEd program.
- 30 Applications for admission, transfer credit or PLA received after this date may not be processed in time for September registration.

AUGUST 2020

- 1 Final grades for BEd courses due by 4:00 p.m. in the Registrar's Office.
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toc: Admission

The Admission Requirements form part of the Academic Regulations of Cape Breton University.

Please see sub-categories below for further information.

toc: Table of Admission

Admission Requirements for Cape Breton University Undergraduate Programs							
Program	Required Courses				Required Average	Recommended Courses	
	English	Math	Science	Additional 12 AD or AC		Math	Physics
Bachelor of Arts	12 AD or AC			4	65%		
Bachelor of Arts Community Studies	12 AD or AC			4	65%		
Bachelor of Business Administration	12 AD or AC	12 AD or AC		3	65%		
Bachelor of Hospitality and Tourism Management	12 AD or AC	12 AD or AC		3	65%		
Bachelor of Science and Bachelor of Science Community Studies	12 AD or AC	12 AD or AC	2 - 12 AD or AC ¹	1	65%	12 PC	
Bachelor of Science Nursing	12 AD or AC	12 AD or AC	2 - 12 AD or AC ²	1	70% Gr. 11 and 12		
Bachelor of Science in Human Nutrition (Transfer)	12 AD or AC	12 AD or AC	2 - 12 AD or AC ⁶	1	65%		
Bachelor of Engineering Technology (Electronics & Controls)	12 AD or AC	12 AD or AC	2 - 12 AD or AC ¹	1	65%		12 AD or AC
Bachelor of Engineering Technology (Environmental Studies)	12 AD or AC	12 AD or AC	2 - 12 AD or AC ⁴	1	65%		12 AD or AC
Bachelor of Engineering Technology (Manufacturing)	Completion of acceptable Technology diploma. Contact the Engineering department for information.						
Bachelor of Engineering Technology (Petroleum)	12 AD or AC	12 AD or AC	2 - 12 AD or AC ⁴	1	65%		12 AD or AC

Bachelor of Technology (Emergency Management)	Completion of degree or diploma or relevant combination of education/work experience.						
Bachelor of Technology (Nautical Science)	Admission through the Canadian Coast Guard College						
Bachelor of Health Sciences (Public Health)	12 AD or AC	12 AD or AC	Chemistry and 1- 12 AD or AC ³	1	65%		
Bachelor of Engineering (Transfer)	12 AD or AC	12 AD or AC	2 - 12 AD or AC ⁵	1	65%	12 PC	12 AD or AC

Legend

AD - advanced

AC - academic

PC - pre-calculus

¹ Includes biology, chemistry, geology, and physics. (Environmental Science 12 can be used with biology, chemistry or physics).

² Includes biology, chemistry, and physics with biology and chemistry recommended.

³ Additional sciences from biology, geology and physics with biology recommended

⁴ Includes biology, chemistry, geology, and physics with chemistry and physics recommended. (Environmental Science 12 can be used with biology, chemistry or physics).

⁵ Includes biology, chemistry, physics and geology.

⁶ Includes biology, chemistry, geology, and physics with biology and chemistry recommended.

toc: General Undergraduate Admission Requirements

General Undergraduate Admission Requirements

An overall average of 65% is required for all students applying to most CBU credit programs based on high school performance. Additional requirements may apply to specific programs.

Program-specific admission requirements are summarized in the table on the previous page.

If space permits, CBU will accept all candidates who can verify that they have met the minimum entry requirements established by CBU for the programs in which they wish to enroll.

Electronic scans of original (official) documents will be accepted in support of an application for admission for undergraduate programmes, or for an application for transfer credit assessment. Both sides of each document must be supplied. Cape Breton University reserves the right to request official documents at any time. Documents should be submitted to admissions_documents@cbu.ca

Documents submitted in support of an application for admission cannot be returned. Neither the documents nor copies of the documents will be returned to the applicant. Further, neither the documents nor copies of the documents will be issued third parties.

Note: CBU does not guarantee that applications completed after August 1, will be processed for September registration.

toc: Admission Policy for International Baccalaureate (IB) Students

Admission Policy for International Baccalaureate (IB) Students

The IB Diploma is accepted as a credential for admission to degree programs. The minimum IB diploma score needed for admission is 24. IB Certificate applicants will be considered individually based on coursework. IB students must have completed IB English and four other IB courses. Additional requirements may apply to specific programs. Program specific admission requirements must be adhered to.

toc: Admission Paths

Admission Paths

Students may enter Cape Breton University by any of three paths, subject to restrictions of space and program capacity.

- Students who transfer from another post-secondary institution and who are in good standing at that institution and who satisfy the admission requirements for their chosen program. Transfer students may be able to obtain credit in their CBU programs for courses taken elsewhere.
- Visiting students from other post-secondary institutions who plan to take one or more courses at Cape Breton University, with the permission of their home institution, to transfer those credits back to their home institution.
- High school graduates who satisfy the admission requirements of their chosen program.
- Students may also be admitted as non-traditional learners.

Students who enter CBU through any of the above paths and who have not made a final decision in a program may register as students in No Specific Program.

Applicants will be required to submit official documents (e.g. transcripts from other institutions) when they apply for admission. Normally these documents are sent directly from the other institutions to CBU.

Documents submitted in support of an application for admission cannot be returned. Neither the documents nor copies of the documents will be returned to the applicant. Further, neither the documents nor copies of the documents will be issued to third parties.

Students will also require the approval of the relevant School Dean to register at another university or college while attending CBU.

toc: Early Fall Admission

Early Fall Admission

Students may apply for early admission, commencing September 15 of the year in which they are registered in Grade 12.

Early fall admission is available to those students who have an average of at least 75% in Grade 11 and who are currently registered in the Grade 12 courses that satisfy the admission requirements for the academic programs to which they are applying.

Early admission is not available for the Bachelor of Science Nursing program.

Students applying for early fall admission must include with their application their final Grade 11 marks and proof of registration in their Grade 12 courses (for both semesters where applicable). Admission will be conditional, pending the successful and satisfactory completion of program requirements.

All students who are offered early fall admission must submit an official high school transcript to the Admissions Office by June 30 of their graduating year or the offer of admission may be withdrawn.

Documents submitted in support of an application for admission cannot be returned. Neither the documents nor copies of the documents will be returned to the applicant. Further, neither the documents nor copies of the documents will be issued to third parties.

toc: High School Transcript Self-report of Grades

High School Transcript Self-report of Grades

Students have the opportunity to self-report their transcript information which CBU will use to assess admission to degree programs. High school applicants must report final grades for all Grade 11 and Grade 12 courses completed, along with all available mid-year grades for courses in progress. Information will be assessed and applicants will be advised of their admission status.

Offers of admission based on self-reported transcript information will be verified against the final official transcript which must be submitted to the Registrar's Office by June 30. It is expected that all applicants will accurately report their course information and must satisfy all CBU admission and specific program requirements in their final results, otherwise the offer of admission may be withdrawn.

Please note the information below if you wish to be considered for an entrance scholarship.

toc: Entrance Scholarships

Entrance Scholarships

An admission application and all required supporting documents, including a high school transcript showing both Grade 11 marks and mid-year and/or first semester Grade 12 marks, must be received in the Registrar's Office by March 1, in order to be considered for an entrance scholarship. For more information on scholarships and bursaries, criteria, policies and required supporting documents, visit www.cbu.ca/scholarships or email: awards@cbu.ca.

toc: General Admission Requirements for Students from Outside of Nova Scotia

General Admission Requirements for Students from Outside of Nova Scotia

For all provinces except Quebec, students who have successfully completed university preparatory programs will be admitted, subject to the same grade and average requirements expected of Nova Scotia students and subject to program capacity. For Quebec students, the entrance requirement is one year of study at a CEGEP, with a 65% average.

Documents submitted in support of an application for admission cannot be returned. Neither the documents nor copies of the documents will be returned to the applicant. Further, neither the documents nor copies of the documents will be issued third parties.

Present course code equivalencies from other Canadian provinces can be found at:

www.cbu.ca/admissions/canadian-applicants.

toc: Admission Procedures

ADMISSION PROCEDURES

Application for admission to Cape Breton University may be made online at www.cbu.ca/apply. Forms can be downloaded by visiting www.cbu.ca/apply/applications. Applications may also be made through the Registrar's Office on the designated application forms.

Documents submitted in support of an application for admission cannot be returned. Neither the documents nor copies of the documents will be returned to the applicant. Further, neither the documents nor copies of the documents will be issued third parties.

Correspondence regarding admission should be addressed to:

Admissions

Registrar's Office

Cape Breton University

PO Box 5300, 1250 Grand Lake Road

Sydney, Nova Scotia

toc: Steps to Full-Time Admission for Canadian High School Students

Steps to Full-Time Admission for Canadian High School Students

The following steps need to be completed In order to be considered for full-time admission:

- Students may apply online at www.cbu.ca/apply. Otherwise, students should send the completed application form (available from the Registrar's Office or online at www.cbu.ca/apply/applications) as early in the year as possible, since applications received after August 1, cannot be guaranteed processing for September registration. The application for admission serves as the application for scholarships.
- Students applying from high school should ask their schools to send their Grade 11 final grades and their Grade 12 first semester grades, or if a non-semestered school, mid-term grades. Grade 12 final evaluations should be submitted as soon as they are issued to the student. Grade 11 final grades will be considered as supporting documentation in the application.
- Students who may meet the requirements for early admission may review our policy here.
- Applications will be considered as soon as they are received, and preliminary admission will be granted on the basis of the information provided if there is capacity in the program sought and if the information to date is complete. Final admission decisions will be made when all relevant information is submitted. No application will be delayed or denied if all of the substantial information is supplied, if the requirements are met and if there is capacity in the program sought.
- The non-refundable application fee (cheque, money order, Visa or MasterCard) should be attached to the application.

toc: Steps to Full-Time Admission for Students Transferring from Other Universities and Colleges

Steps to Full-Time Admission for Students Transferring from Other Universities and Colleges

The same steps for full-time admission for high school students above should be followed, with this difference: the student's high school should send the final grade 11 and 12 results and the university or college should send an official transcript.

Students seeking credit from previous post-secondary studies must apply for a Transfer Credit Assessment by submitting a Transfer Credit Assessment application (available at the Registrar's Office or online at www.cbu.ca/student-services/forms), along with the assessment fee and official transcripts from institutions from which they are seeking transfer credit.

Transfer Credit Applications received after August 1, cannot be guaranteed processing for September registration.

toc: Steps to Part-Time Admission

Steps to Part-Time Admission

As indicated elsewhere in these guidelines, CBU makes no fundamental distinction between full-time and part-time students. Technically, students are considered part-time if they are enrolled in fewer than three full-time course equivalents during the fall-winter session. As well, admission requirements for part-time students are no different from the admission requirements for any other students.

toc: Residence

Residence

For information on application to residence, visit www.cbu.ca/housing-dining.

toc: International Applicants

INTERNATIONAL APPLICANTS

The International Advisors at Cape Breton University provide information and referral services in response to questions or problems international student may encounter during their adjustment to a new country and university. The advisors organize orientation and social programs for international students and encourage students to direct all questions related to immigration or visa concerns to their attention. The International Advisors' offices are in the Learning Commons & Student Life Centre (B-110) located in the Marvin Harvey Building.

International Student Advisors :

Donalda Johnston-Roper, tel: 902-563-1278 or email: Donalda_Johnston@cbu.ca

toc: Admission

Admission

International applications will be considered on an individual basis. CBU does not guarantee that application files completed after March 31, will be processed for September registration.

Please contact the Admissions Office for more information: email Admissions@cbu.ca or tel: (902) 563-1844.

toc: Requirements

Requirements

UNITED STATES AND US BASED SYSTEMS

United States (US) and US Based Systems students who have successfully completed a high school university entrance program delivered in English, will be considered for admission. Such students must have completed five grade twelve subjects, including English, with an overall average of at least 65% for most programs. CBU program requirements for specific subjects and requirements for higher overall averages or specific course grades must also be met.

In addition, students must submit SAT results with a minimum score of 570 for Mathematics. Minimum scores required for Reading and Writing (combined) will be 610.

Students whose first language is not English and who meet the standard outlined above, will not be required to provide further proof of English proficiency.

BRITISH BASED SYSTEMS (GCE AND GCSE)

Graduates from senior secondary school are required to have five GCE or GCSE subjects including English, with at least two subjects at the advanced level. A grade of C or higher is required in each course. Where CBU program admission regulations require specific subjects, these must be included among the five.

OTHER COUNTRIES

For most countries, CBU considers the same academic requirements that are required for university

entrance in that country – that is, successful graduation from an academic secondary school program or equivalent.

toc: English Language Proficiency

English Language Proficiency

English is the primary language of instruction at Cape Breton University. It is essential that all students have an adequate knowledge in the areas of reading, writing, listening and speaking in the English language in order for them to be successful in their studies. While this policy outlines CBU's English language proficiency requirements for the purposes of admission, it remains the responsibility of all students to ensure that their English is at a level of accomplishment necessary for their particular programs and specific requirements.

Applicants who meet Cape Breton University's academic requirements, but who are not able to demonstrate English language proficiency at the time of application, may be offered a conditional admission. With an offer of conditional admission applicants can apply for a study permit (visa). However, until applicants have met the English language proficiency requirements they may not begin their university level studies.

Applicants whose first language is not English must provide documentation to show that CBU's English language proficiency requirements have been met. Proof of proficiency may be provided by one of the following:

Previous Education in English:

- Successful completion of at least two years of academic instruction at a secondary institution, as recognized by Cape Breton University, where English is the primary language of instruction, or
- Successful completion of at least 30 credit hours (or equivalent) at a post-secondary institution, as recognized by Cape Breton University, where English is the primary language of instruction.

Official Testing Scores:

Please arrange to have test results sent to Cape Breton University from one of the following agencies:

- TOEFL score of 550 (paper test), 213 (computer test), or 80 (internet test). See www.ets.org or
- IELTS score of 6.5 with no band below 6.0. See www.ielts.org, or
- CAEL score of 60, www.cael.ca, or
- MELAB score of 85, www.melab.ca, or
- Pearson PTE (Academic) - score of 59, www.pearsonpte.com
- CanTEST score of 4.5 (reading & listening), 4.0 (writing) see: <http://www.cantest.uottawa.ca/index.php>.

English Language Training

Cape Breton University has partnerships with English language training institutions. Students who successfully complete one of these programs are deemed to have met CBU's English language proficiency requirements without further testing required. Please visit our web site at www.cbu.ca/admissions for further information.

toc: Admission of Students with Learning Differences

ADMISSION OF STUDENTS WITH LEARNING DIFFERENCES

CBU recognizes that individual students may learn differently and this recognition is reflected in its teaching strategies and methods of evaluation. Students who enter CBU who self-identify themselves as learners with exceptional needs will be provided with alternate academic support, so far as possible, within the resources of CBU. For more information contact the Jennifer Keeping AccessAbility Centre at (902) 563-1404 (voice) or (902) 539-4772 (TTY).

toc: Admission Requirements for Mature Students

(Non-Traditional Learners)

ADMISSION REQUIREMENTS FOR MATURE STUDENTS (NON-TRADITIONAL LEARNERS)

Applicants who do not meet the usual qualifications for admission to Cape Breton University may be considered for admission as a Mature Student, provided they meet the following criteria:

- be at least 21 years of age (by the first day of classes)
- be a Canadian citizen or permanent resident
- not be eligible for regular admission
- apply for the first year of an undergraduate program that does not require previous university-level study.
- Admission to some programs will require the completion of required subjects.
- have not studied at the university level. Applicants who have studied at the university level must have attempted one year or less of transferable work and been absent from study for a minimum of two years.
- Students can apply for no formal program, allowing them to register in courses without making application to a specific program.

To prepare for university study, some upgrading may be required. It is recommended that applicants speak with an admission advisor to determine if upgrading is required.

toc: Credit Recognition for Outstanding Entry Students From High School

CREDIT RECOGNITION FOR OUTSTANDING ENTRY STUDENTS FROM HIGH SCHOOL

Advanced Credit Recognition for IB Students

Students admitted to CBU who have completed the IB Diploma are eligible to receive a maximum of 30 credits for IB courses completed at the higher level with a minimum grade of 5.

- Credit will be awarded on a course by course basis.
- A maximum of 18 credits can be awarded for Standard Level courses with a minimum grade of 5.
- Students have the option to forgo credit.

IB Certificate holders are eligible to receive university credit to a maximum of 18 credits for higher level courses or standard level courses on a course by course basis subject to a minimum score of 5.

IB Program in Math

Students who complete an IB course in mathematics with a minimum score of 5 shall be exempt from the Calculus Readiness test.

OR

Completion of a Grade 12 honours course with a mark of 85% or higher and successful completion of an Outstanding Entry Student Examination. This examination is prepared and graded by an instructor in the discipline. Success in the examination means that the department and the dean are confident that the student's knowledge is equivalent to that of a student who has successfully completed the introductory level of that course at CBU.

Advanced Credit Recognition for French Immersion Students

Students from French Immersion or students from French/Francophone schools may be granted a maximum of six FRNC credits, after assessment by the Department of Languages and Letters.

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toc: From Other Than High School

FROM OTHER THAN HIGH SCHOOL

CBU recognizes extra-institutional learning and may grant credit for learning experiences acquired outside an educational institution. Students may obtain credit for such prior learning in either of two ways:

1. By presenting evidence demonstrating that the student has mastered the material covered in the course in question. The Dean of the appropriate academic school is responsible for ensuring that the relevant faculty member appraises such evidence of prior learning.
2. By challenging a course with the approval of the relevant school dean.

toc: Credit Transfer

CREDIT TRANSFER

The transfer of credit refers to the acceptance of courses by CBU from another institution (external transfer) or from one CBU program to another program (internal transfer). All external credit arrangements are administered by the Registrar's Office, in consultation with the dean and the appropriate department. All internal credit arrangements are administered by the academic schools in consultation with the Registrar's Office.

Students seeking transfer credit assessments must submit the Application for Transfer Credit Assessment

with the non-refundable application fee to the Registrar's Office Applications are available at the Registrar's Office or at www.cbu.ca/student-services/forms. Transfer credits are not activated until registration. Applications received after August 1, cannot be guaranteed for processing for September registration.

Documents submitted in support of an application for admission cannot be returned. Neither the documents nor copies of the documents will be returned to the applicant. Further, neither the documents nor copies of the documents will be issued third parties.

toc: External Transfer

External Transfer

All first- and second-year credit courses offered at all other Canadian universities will be accepted for credit at CBU, with the following limitations:

- A minimum of 50% of the courses must be completed at CBU in a degree, diploma or certificate program, unless stated otherwise in the program descriptions.
- Credit transfer is distinct from admission and decisions with regard to admission remain the prerogative of CBU;
- The specific program requirements of CBU must be met. An otherwise acceptable transfer credit may not be usable in a particular program of study,
- Students must also meet any requirements with regard to grades. External credits will be treated identically with those of CBU students who move from one program to another within the institution. If a grade of 60% is required in a CBU prerequisite course, for example, then a 60% grade will also be required in a transfer course.
- Electronic scans of original (official) documents will be accepted in support of an application for admission for undergraduate programmes, or for an application for transfer credit assessment. Both sides of each document must be supplied. Cape Breton University reserves the right to request official documents at any time. Documents should be submitted to admissions_documents@cbu.ca
- Documents submitted in support of an application for admission cannot be returned. Neither the documents nor copies of the documents will be returned to the applicant. Further, neither the documents nor copies of the documents will be issued third parties.

A dean, in consultation with the Registrar and the department, may approve courses beyond the first and second year levels for credit transfer in degree, diploma and certificate programs, bearing in mind that at least 50% of courses must be completed at CBU.

CBU has entered into a variety of special agreements with other institutions and such agreements often provide for extended credit transfer arrangements within specific CBU programs. For general information on such arrangements, contact the Registrar's Office.

toc: Prior Learning Assessment and Recognition

Prior Learning Assessment and Recognition

Cape Breton University recognizes the value of both formal and informal learning and may grant academic credit for skills and knowledge gained outside traditional studies. Moreover, some kinds of knowledge may not be feasibly assessed through course challenges. In such cases, students may request a Prior Learning Assessment (PLA). Because the learning evaluated in a PLA occurs outside the University, PLA credits do not count towards the University's residency requirements. Note: PLA's in Community Studies are restricted to COMS1100, COMS2101 and COMS3101.

Students applying for PLA credit must submit a detailed portfolio outlining their relevant experience and demonstrating how it has led to knowledge equivalent to university credit. The Registrar's Office will forward the portfolio to the relevant dean who will, in turn, send it to the academic department best able to evaluate it. The department will make a recommendation to the dean, and the dean will send his/her decision to the Registrar's Office

If necessary, the department may ask the applicant for further information regarding the portfolio itself, formal credentials, or other details. The department may also request demonstration of skills, an interview with the applicant, or other reasonable means of assessing the application.

Students seeking assessment for PLA credits must submit the Application for Prior Learning Assessment and the non-refundable application fee. If credits are awarded, a fee equivalent to 50% of the tuition for those credits will be assessed. PLA credits are not activated until registration and required tuition is paid.

Applications are available at the Registrar's Office or at www.cbu.ca/student-services/forms. Please contact the Manager of Admissions at (902) 563-1117 or visit the Registrar's Office for more information.

toc: Articulation Agreement with Colleges

ARTICULATION AGREEMENT WITH COLLEGES

Articulation agreements exist with many colleges, such as the Nova Scotia Community College, New Brunswick Community College and College of the North Atlantic (Newfoundland), whereby students can receive credit toward diplomas and degrees at CBU for courses and programs completed at these institutions. Details about specific program transfer arrangements are available from the Registrar's Office or the appropriate school dean at CBU. Students must apply for and be offered admission and register at CBU before transfer credits are granted.

toc: Internal Transfers

toc: Internal Transfer Credit for School of Arts and Social Sciences

Internal Transfer Credit for School of Arts and Social Sciences

toc: Transfer from a Diploma to Bachelor of Arts Degree

Transfer from a Diploma to Bachelor of Arts Degree

All Diploma in Engineering Technology courses listed for transfer into science degree programs are also accepted in the BA degree program.

Diploma in Business Technology courses may be applied to the BA degree program.

toc: Transfer from a Science Degree to Bachelor of Arts Degree

Transfer from a Science Degree to Bachelor of Arts Degree

Bachelor of Science courses will be accepted for credit in the BA degree program.

toc: Transfer from a Technology Diploma to Bachelor of Arts Community Studies Degree

Transfer from a Technology Diploma to Bachelor of Arts Community Studies Degree

After earning any co-op diploma, students may take advantage of the unique nature of CBU by proceeding directly into the Bachelor of Arts Community Studies program. Co-op diploma graduates will

receive a block of credits equal to COMS1100, COMS2101 and COMS3101; the four career-related courses; and two electives as specified in the CBU calendar. Transfer students will be required to successfully complete seven degree courses (42 credits) as follows:

- Four courses (24 credits) in Community Studies (COMS1100, COMS2101/COMS3101, COMS2103 and COMS2105 and COMS3103 and COMS3105)
- Four courses (6 credits) in any degree discipline other than Community Studies

Students may also receive, on an individual basis, up to one full course of internal transfer credit (6 credits) if they have successfully completed a diploma course that has a degree course equivalency and wish to designate this discipline as their academic discipline within the BACS structure. Diploma students may also enrol concurrently in certain diploma and degree courses with the permission of the school dean.

toc: Internal Transfer Credit for School of Science and Technology Engineering

Internal Transfer Credit for School of Science and Technology Engineering

Transfer from a degree program	to an Engineering
Technology diploma program	

ENGI1165 Graphics

DRAF111 Drafting I

ENGI1167 Statics

ENGI1163 Statics

ENGI2164 Thermodynamics

MECH2161

Thermodynamics

ENGI2166 Electric Circuits

ELEC1161

Electricity I

Fundamentals of

ENGI2169 Strength of Materials

ENGI1164 Strength of

Materials

ENGI2131 Fluid Mechanics

CIVI112 Fluid Mechanics

Transfer from an Engineering Technology diploma program

to a degree program

ENGI1163 Statics

ENGI1167 Statics

MECH2161 Thermodynamics

ENGI2164

Thermodynamics

ELEC1161/ELEC1164 Fundamentals

ENGI2166 Electric Circuits

ENGI1164 St. of Materials

ENGI2169 St. of Materials

CIVI112 Fluid Mechanics

ENGI2131 Fluid Mechanics

CIVI233 Hydraulics

ENGI2131 Fluid Mechanics

Mathematics course transfers from a degree program
Technology diploma program

to an Engineering

MATH1101 and MATH1203 Calculus
(Math I, II, & III)

*MATH1107/1208/2104

MATH1105 Calculus
(Math I, II, & III)

*MATH1107/1208/2104

MATH1105 and 1206 or
MATH1101/1203/1206 Calculus

MATH1107/1208 or
MATH2104/2205
(Math I, II, III, & IV)

MATH1109

MATH 335 Statistics

MATH 183 Introduction to Fortran
Applications

COMP 1163 Computer

MATH1116 Programming in C++
Applications

COMP 1163 Computer

MATH1217 Introduction to Computer Applications
Applications

COMP 1163 Computer

Transfer from an Engineering Technology diploma program
MATH1107/1208/2104 (Math I, II & III)

to a degree program
MATH1101 Calculus

MATH1107/MATH1208/MATH2104/MATH2205
(Math I, II, III, & IV)

MATH1105 Calculus
or MATH111 & MATH112

MATH 335 (Math V)

MATH1109 Statistics

*Credits for MATH1206 will be considered on an individual
basis where the math sequence actually taken in the

Engineering Technology diploma includes significant work in infinite sequences and series.

Science course transfers from a degree program to an Engineering Technology diploma program

CHEM200 Physical Chemistry
Physical Chemistry I & II

CHEM251/CHEM252

GEOL1101 Physical Geology

GEOL1103 Geology I

GEOL1201 Historical Geology

GEOL1203 Geology I

PHYS1102 Elements of Physics

PHYS1101/PHYS1201
(Physics I & II)

some

-Students will take
topics in both courses

PHYS1104 and PHYS1204 General Physics

PHYS 111/112
(Physics I & II)

Transfer from an Engineering Technology diploma program to a degree program

GEOL1103 Geology I

GEOL1101
Physical Geology

GEOL1203 Geology II

GEOL1201
Historical Geology

*MATH1101 and MATH1203 or MATH1105 gives credit for MATH I, II and III, however, BET students will be required to obtain an additional 3 to 6 credits of electives to graduate.

toc: Academic Regulations

toc: Correspondence from the Office of the Registrar to the Student

CORRESPONDENCE FROM THE OFFICE OF THE REGISTRAR TO THE STUDENT

Upon registration at CBU, all official correspondence from the Office of the Registrar, is sent to students via their CBU email accounts. Students are reminded to check their email regularly and to keep their inbox open for delivery.

toc: Course Selection

COURSE SELECTION

Programs consist of combinations of courses. For example, in order to complete the requirements for a BBA degree, the student needs to pass 20 courses (120 credits). Most courses are offered between September and April. However, courses in Co-op Technology programs span eight, 4-month terms with three terms devoted to work placements. Courses in the degree programs are also offered during May to June (spring session) and July to August (summer session).

A course taught for three hours a week during the September - April period has a value of six credits and is called a full course. A course taught for three hours a week for one term (from September to December or January to April) has the value of three credits and is called a half course. Half and full courses are also offered in spring and summer.

A student's course choices depend on the requirements of his/her Diploma, Certificate, or Degree program. (These requirements are found in the program descriptions of the CBU academic calendar).

toc: Changing a Course or a Course Section

Changing a Course or a Course Section

Some programs permit course changes. After the first two weeks of classes, students will need the instructor's approval to join the course. Changing a course may have financial ramifications. (See the Financial Section of this calendar or consult with the Vice-President Student Services, and Registrar. Moreover, if students stay in the same course but switch sections, they must still go through the process (either by signing a form at the Registrar's Office, or using the student log-in online at www.cbu.ca) similar to changing a course. For example if a student is in ENGL1600:10 (10 is the section number) which meets at 8:30 a.m. on Mondays, Wednesdays and Fridays, and wishes to move to ENGL1600:16 which meets on Thursday evenings, the student is still required to drop ENGL1600:10 and add ENGL1600:16.

All course changes, including section changes and drops, at any time, require submission of a Drop/Add Form to the Registrar's Office, or must be completed online at www.cbu.ca.

toc: Dropping a Course

Dropping a Course

Students may drop a course up until the mid-point of classes during the term that the course is offered without academic penalty. The deadlines for withdrawing from a course without academic penalty are listed in the Calendar of Events and [Academic Dates](#).

When a course is dropped on or before the last date to add courses in a term, the course will not appear on the student's transcript. A course dropped after the last date to add courses and on or before the course penalty date will appear on the transcript with the legend, WP (withdrew without penalty). The course will not be included in the calculation of the student's average.

A course dropped after the course penalty date will appear on the transcript with the legend WF (withdrew, failed). The WF will be treated as a grade of zero in the calculation of the student's average. Courses dropped after the penalty date due to extenuating circumstances (requires both Dean and Registrar to accept) will appear on the transcript with WS (withdrew special circumstances). The course will not be in the average.

Withdrawal from the first term of a pair of related courses (for example, ACCT1203/1204) does not automatically withdraw the student from the second term course. Both courses must be dropped.

Students are cautioned not to simply walk away from a course. Withdrawal must be made official (which means either signing a form in person at the Registrar's Office, or withdrawing online using the student log-in at www.cbu.ca).

Students who leave a course without formal withdrawal will receive a grade of zero for the course and will be charged full tuition and fees for the full course.

The length of time a student stays in a course before dropping will affect the tuition refund to be received. Please check the [financial policies](#) on the CBU website for information about refunds.

Students are advised to consult the instructors of courses that they are considering dropping. In addition, there are academic support services available through Student Services. Extra help may be all that is needed to successfully complete the course. Instructors will appreciate being informed of a decision to drop a course.

toc: Alternatives to the Usual Course Load

Alternatives to the Usual Course Load

Five courses are considered as the normal load in degree programs; the normal load in diploma studies depends on the specific program. See the program descriptions in this calendar. Students wishing to take additional courses should consult with the dean of the school. There is usually an additional cost for extra courses. Students may wish to register for fewer than the usual number of courses, but should be aware that registering for fewer than three courses may affect eligibility for student loans.

toc: Repeating a Course

Repeating a Course

If a student repeats a course, the highest mark in the course will be used in the calculation of the final average as well as in the calculation of the average for all program requirements, prerequisites and for all other internal purposes where an average is calculated. The marks for previous attempts of the course will remain on the student's permanent record. The number of times a student may take a course is limited to three.

toc: Distance Education Courses

Distance Education Courses

Courses offered by CBU in any format and at any site are considered to be regular university courses. This includes distance courses.

toc: Course Challenge

Course Challenge

CBU recognizes that some students may have achieved competence in certain subject areas. A challenge involves a special assessment administered by the relevant school at a time determined in consultation with the student. The following guidelines apply to course challenge:

- The student applies through the Registrar's Office and the assessment is administered through the relevant school.
- Course challenges are available to students registered in any program.
- The assessment must be completed within 30 days of the receipt of the application. Applications will be entertained only in the period from August to April.
- A specific course may be challenged only once.
- Students may not challenge a course for which they have already received a final grade.
- All course challenges will be recorded. The results of course challenges will be treated like any other course and will be included in the calculation of the student's average.
- Payment of the appropriate fee is due at the time the application for challenge is filed. The fee for course challenges is 25% of the normal tuition fee.
- Students may challenge a maximum of 30 credit hours or the equivalent of five, 6-credit courses.
- Students may not challenge (human) language acquisition courses.
- No course challenges for Community Studies courses.

toc: Spring/Summer Courses

Spring/Summer Courses

CBU courses taken during spring/summer session are considered to be regular university courses and no limitations or restrictions are placed on such courses, with one exception: because of the condensed format of the spring and summer sessions and, except where their program requires otherwise, students normally take only two courses concurrently. Those wishing to take more than two courses concurrently must have the permission of the dean.

toc: Tutorial Courses

Tutorial Courses

Tutorial courses are those courses listed in the CBU calendar which are not included in that session's timetable and are offered in special circumstances to very small groups of students. Tutorial courses are arranged between the student and an instructor and require the approval of the dean.

toc: Audit Courses

Audit Courses

A student normally audits a course out of personal interest. Students who wish to audit courses may attend with the permission of the instructor, but normally would not participate in written assignments or examinations set for the course. Students may change from audit to credit up to the final date for registration and adding of courses. They may change from credit to audit, up to the final date for dropping courses without academic penalty. Students changing from audit to credit will be assessed course tuition and fees. Credit will not be awarded for audit courses. Audits cost substantially less than the fee for the same course taken for credit. Courses taken for audit may not be challenged. Please see Calendar of Events for the relevant dates.

toc: Taking Courses at Other Institutions

Taking Courses at Other Institutions

Students formally registered at CBU may take courses from another institution and have them transferred, with the prior permission of their school dean, into their CBU program. Normally, the total number of courses accepted shall not exceed 50% of the total number of courses required to complete the program. CBU has special agreements with some institutions which may allow students to utilize more courses than normal. Students should consult with their school dean for further information.

toc: Distance Courses at Other Institutions

Distance Courses at Other Institutions

Students formally registered at CBU may wish to take advantage of those courses offered through correspondence from other recognized institutions. The conditions for correspondence courses are the same as those listed above for taking courses at other institutions. CBU cannot give credit for a correspondence course if that same course is offered at CBU during the period the student wishes to enroll. However, a student may take a correspondence course if the same course at CBU is filled.

toc: Other Academic Paths

Other Academic Paths

Traditionally, students have entered university studies on a full-time basis as recent high school graduates. But this traditional student profile is changing and alternative ways of responding to students'

needs are being introduced. Many students are older, have significant work experience, have work schedules which do not allow full-time study and, in a number of cases, have difficulty travelling to the CBU campus.

In response to changing needs, CBU provides alternate paths for students to reach their academic goals. All courses, regardless of mode of delivery, are subject to the standard procedures, criteria and checks and balances as outlined in the CBU Academic Regulations.

toc: Class Attendance

CLASS ATTENDANCE

Attendance Policy: CBU does not have an institution-wide mandatory class attendance policy. However, we strongly encourage students to attend. Certain programs or courses may wish or be required to make attendance mandatory. Such requirements must be clearly communicated in the course syllabi and will supersede the general CBU non-attendance policy.

toc: Examinations

EXAMINATIONS

Examinations play a significant part in the evaluation process of many courses. Students should therefore be familiar with the following procedures associated with formal examinations. Any new material covered on the day of a scheduled, for-credit, test or exam, may not be included on that test or exam.

toc: Scheduling of Examinations

Scheduling of Examinations

Examinations are formally scheduled by the Registrar's Office in December and April. Examinations are also held at the conclusion of the spring and summer sessions. All students writing examinations are required to show a CBU ID card.

No test or examination, with the exception of practical laboratory examinations, may be held in any course in either the five teaching days or the study period (defined as the period of time between the last day of classes and the beginning of the examination period) immediately preceding the December and April examination periods. This provision cannot be waived even by mutual consent of students and instructor.

Take home examinations cannot be assigned (and distributed) any later than the last day of classes in term. They cannot have a due date earlier than the sixth (6th) day of exams.

toc: Deferred Examinations

Deferred Examinations

Students should notify their instructor(s) immediately if they must miss an examination due to a medical or other serious reason. Upon request, the dean of the school and the instructor may approve a deferred examination.

toc: Postponement of Examinations

Postponement of Examinations

If an examination cannot be held at the scheduled time because of inclement weather or other circumstances, other examinations will be written as scheduled and the postponed examinations will be rescheduled by the Registrar's Office on the first available day after the completion of the examination schedule.

toc: Extraordinary Circumstances

Extraordinary Circumstances

If a student completes an examination and subsequently claims extenuating circumstances, such claims may be considered by the dean and the instructor on an individual basis. If a student is unable to write a scheduled examination for some serious reason, or if she/he becomes ill during an examination, the dean of the school must be contacted within five working days of the date on which the examination was to have been written. The dean and the instructor may decide whether a deferred examination will be scheduled or whether aegrotat standing will be granted.

toc: Supplementary Examinations

Supplementary Examinations

CBU, through the Registrar's Office no longer schedules formal supplementary exams. Individual faculty and/or departments will determine if a supplementary exam is allowed in a course. If allowed, the policies and procedures with respect to the writing of supplementary exams will be determined by individual faculty and/or departments. For specific information on supplementary examinations, please refer to your course outline or the department chair.

toc: Student Evaluation

Evaluation Process

Within the first week of each course, the instructor shall provide a written description of the evaluation procedure to be employed. All elements that contribute to the final grade in the course along with the percentage proportion assigned to each will be included in the description of the evaluation procedure. The passing grade in most courses is 50 per cent.

Successful Completion of a Course

The passing grade in most courses is 50 percent.

Equivalency Key

For the benefit of those receiving institutions that prefer letter grades, or who use a four-point grade point system, the following equivalencies key may be used:

Cape Breton University Percentage Grades Equated to Letter Grades and Grade Points

Numerical Grade	Letter Grade	Approximate Grade Point Value
90-100%	A+	4.0
85-89%	A	3.9
80-84%	A-	3.7
77-79%	B +	3.3
73-76%	B	3.0
70-72%	B-	2.7
67-69%	C +	2.3
63-66%	C	2.0
60-62%	C -	1.7
57-59%	D+	1.3
53-56%	D	1.0
50-52%	D -	0.7
0-49%	F	0.0

toc: Legends Used in Place of Numerical Grades

Legends Used in Place of Numerical Grades

In certain cases, legends are used in place of numerical grades. Students should familiarize themselves with these legends, since some of them have a direct influence on average and rank.

AUD = Audit

Used to record an audit, where a student is eligible to attend regular classes but ineligible to participate in written assignments or examinations set for the course. No credit is attached to an audit.

PAS = Pass

Used to record credit for a course where no numerical grade is assigned. This legend is not considered in the calculation of averages.

FAI = Failure

Used to record a failure in a course where no numerical grade is assigned. This legend is not considered in the calculation of averages.

INC = Incomplete/Grade

Used as a temporary grade that is granted to a student who has been unable to complete some part of the term work in a course and who has been granted additional time after the course end date to complete the missing course component (s). A final grade must be submitted within six weeks of the end of term. If no grade is submitted in the six weeks after the term ends, the INC will be changed to zero.

NGR = No Grade Report

This legend is used as a mid-term grade for six-credit directed study or honours thesis courses where no formal evaluation has taken place in the first half of the course. It may not be used as a final grade.

F = Failure

Indicates a course drop without a formal withdrawal. This legend is used when a student has registered for a course but has not submitted any course work and counts as a zero in the calculation of the student's average.

WF = Course Withdrawal - Failure

Indicates a formal course withdrawal after the course penalty date. It counts as a zero in the calculation of the student's average.

WP = Course Withdrawal Without Penalty

Indicates a formal course withdrawal on or before the course penalty date. The WP legend is not considered in the calculation of the student's average.

WS = Course Withdrawal in Special Circumstances

Indicates withdrawal without penalty after the course penalty date due to extenuating circumstances. The WS legend is not considered in the calculation of the student's average.

toc: Aegrotat Standing

Aegrotat Standing

Aegrotat standing is the granting of credit for a course or courses based on the course work already completed, where no further assessment (for example, a deferred examination) is considered feasible because of illness or other extenuating circumstances. Aegrotat standing is not noted on the transcript or

grade report, and is treated like any other grade. Students may only be granted aegrotat standing with the approval of the dean and the instructor.

toc: Grade Reports

Grade Reports

Grade reports become available to students through the CBU web site following the December and April examination periods and after the spring/summer sessions. Students who have not paid all tuition fees or who have outstanding library fines will not have access to grades until their accounts are settled.

toc: Averaging

Averaging

Averages are computed for all students at the end of each term and at the end of the academic year. The average computed in December is replaced by the fall/winter average in April. Averages are computed using the results for all courses attempted.

toc: Reassessment of Final Grades

Reassessment of Final Grades

Application for reassessment of a final grade should be made to the department chair in which the course was offered. The student must provide a letter to the chair stating specifically which assignments are being requested to be reassessed and the specifics of why the student believes the original grade was unfair; if the assignments have been returned to the student they must be included with the application for reassessment. The only grounds for application for reassessment are that the student believes that the grading criteria were inconsistently applied to that individual student, whether through error, carelessness or discrimination.

Applications for reassessment must be received within one month of the end of the term in which the disputed mark was assigned. Grades may be raised or lowered through the reassessment.

The department chair will first request the instructor who issued the mark to review the materials submitted along with the final examination. If the result of this preliminary review does not change the final grade, the student may request a formal reassessment. This request must be accompanied by a payment of \$25, which will be refunded if the grade is raised.

The chair will then empanel two faculty members, one selected by the instructor and the other by the student requesting the reassessment; both members of the panel shall have expertise in the discipline of the assignments being reassessed. The panel will review the written work by the student in question; the panel will endeavour to utilize the same criteria originally used to grade the other students in the class, to the extent that it is possible to do so. If the two members cannot agree on a mark, the average of the two re-assessments will be assigned. The department chair will submit the decision of the panel to the Registrar to record the revised grade. The panel's decision may be appealed to Cape Breton University's Appeals Committee.

If the grade being reassessed is that of the chair, then the department vice-chair preferably, or the secretary of the department executive, shall carry out the duties as specified in this section.

toc: Appeals of Academic Decisions

Appeals of Academic Decisions

Students who have grounds for believing themselves were unjustly treated within CBU are encouraged to seek all appropriate avenues, to redress or appeal, open to them. Cape Breton University's Appeals Committee, which is made up of one student, two faculty members, and one school dean is a final recourse for students who feel so aggrieved. Any student who has exhausted all other avenues as outlined in this document and who still feels that she/he has grounds for a reversal of a decision, may serve notice of appeal to this committee.

The Appeals Committee does not replace other adjudicative processes. Once all avenues have been fully explored, the following process will ensue:

1. A student submits a letter to the chair of the CBU Appeals Committee explaining in detail the nature of the appeal, providing all appropriate documentation and indicating clearly the relief sought.
2. In response, the committee may take any of the following steps: (a) indicate to the student that all avenues have not been exhausted and request that the matter be resolved before it reaches this final court; (b) request further information from the student and/or others involved in the case; and (c) grant a hearing, at which time the student and others involved may be asked to appear before the committee.
3. The committee will gather evidence from all sides in the case, which may include both written and oral presentations from the parties involved.
4. The decision of the committee and reasons supporting it are communicated to the parties of the appeal.
5. The decision of the Appeals Committee is final.

All academic decisions affecting students may be appealed to the CBU Appeals Committee.

toc: Academic Performance Review

Academic Performance Review

Not all students are suited for the university learning experience and some may realize that another path of personal development is more appropriate. Sometimes the moment of study is inappropriate because of other pressures: financial, domestic, work-related and so on. Sometimes the student has chosen the wrong course of study. Whatever the reason, students may find that they are not attaining passing grades and are in academic difficulty.

All students who are registered in a minimum of three (3) courses (9 credits) for any one term will be reviewed with respect to academic performance.

Academic performance is reviewed at the end of April to determine academic progress and to assess student's academic standing.

toc: Determination and Categories of Academic Standing

Determination and Categories of Academic Standing

Good Academic Standing

All students entering CBU are admitted in good academic standing. Students in good academic standing have met the minimum standard required for continued, unrestricted study at CBU. Students are advised that meeting this minimum standard may NOT be sufficient to satisfy the graduation requirements of their program of study. Graduation requirements vary by program. Please refer to the relevant description in the academic calendar to determine the graduation requirements that apply to your program of study.

Early Alert

After December exams, students who have an average of less than 50% or two failing grades, may receive an early alert notation on their grade report. The notation will refer them to the policy regarding academic performance.

Academic Alert

At the end of April, students previously in good academic standing will be placed on academic alert if they have an average of less than 50% but have passed more than 50% of courses in the period under review.

Students with academic alert standing can continue unrestricted study at the University but receive a letter warning them that they may be in academic jeopardy if their grades do not improve.

Academic Warning

At the end of April, students previously in good academic standing will be placed on academic warning standing if they have an average of less than 50% and have failed more than 50% of courses in the period under review. These students are required to meet with the Performance Review Committee (of their program) to have their program of study approved prior to registration for the next academic year.

At the end of April, students previously on academic alert will be placed on academic warning standing if they have an average of less than 50% in the period under review. These students are required to meet with the Performance Review Committee (of their program) to have their program of study approved prior to registration for the next academic year.

Students with academic warning standing will receive a letter advising them of this status and of the requirement to meet with the relevant Performance Review Committee.

Academic Discontinuance

At the end of April, students previously on academic warning will be placed on academic discontinuance for 12 months beginning May 1, if they have an average less than 50% in the period under review. They may register for only one 6-credit course at CBU during that period. They have the right to appeal their academic discontinuance to the dean of their program of study. The student's academic standing will return to good academic standing following the period of discontinuance.

toc: Additional Regulations Pertaining To Academic Standing

Additional Regulations Pertaining To Academic Standing

Students on academic warning will normally be restricted to registering in the equivalent of three or four full courses (18 – 24 credits) for the following year.

Students who achieve an overall average of 65% in the term following placement on academic alert or academic warning may, upon written request to the school dean, return to good academic standing for the second term with the approval of the school dean.

Students who achieve an overall average greater than 50% at the end of the 12 months following placement on academic alert or academic warning will return to good academic standing.

When a student is placed on academic discontinuance, this notation will appear on the student's transcript and remain for the period of the discontinuance. Once the period of discontinuance is over, the notation will be removed from the student's transcript but will remain on the student's internal academic record.

A Performance Review Committee will be established for each school under the authority of the school dean. The committee shall consist of the dean or associate dean (Chair), along with no fewer than three and no more than six members of the school. When reviewing a student, the chair will ensure that at least one member on the committee is from the program in which the student is enrolled. Any student required to appear before the committee is permitted to bring a representative of the Cape Breton University Students Union to the proceedings. The referral process is to be determined by each school.

Through the school dean, the Review Committee has the authority to:

- restrict course load
- specify courses including non-credit skills-related courses
- recommend program transfer

No appeal of the Review Committee's decision regarding the student's program of study will be permitted. Compliance with the committee's decision is to be regarded as a condition for the student registering at CBU.

toc: Ethical Behaviour in Academic Matters

ETHICAL BEHAVIOUR IN ACADEMIC MATTERS

All members of the CBU community are called upon to demonstrate a respect for academic honesty. To this end, a number of processes and procedures are in place to govern the ethical behaviour of all members of CBU. For example, faculty, staff and administrators are governed by collective agreements and the appropriate collegial bodies. Since these academic regulations are primarily geared to guide students through their university career, the focus of this section is on academic dishonesty as it applies to the student body. However, this does not imply that students are less honest than other members of the CBU community. It simply acknowledges that whereas the rules and regulations governing the ethical behaviour among the non-student population are contained in other documents, it is necessary here to delineate the guidelines pertaining to student behaviour in academic matters.

toc: Forms of Academic Dishonesty

toc: Plagiarism

Plagiarism

Plagiarism is the act of representing the intellectual work of others as one's own. Such misrepresentation is treated as a serious violation of academic standards and principles. When a student submits work for a course, it is assumed that the work is original, except where the student properly acknowledges the use of other sources. Of course, good scholarship often requires drawing on the work of others, but any borrowed material - including words, ideas, data, statistics, graphics and other intellectual matter, whether drawn from print, electronic, or other non-print sources - must be fully acknowledged according to the accepted practices of the relevant discipline.

The following policy applies equally to all forms of materials submitted in all courses. These materials include, but are not limited to, assignments, essays, compositions, theses, creative writing, reports, reviews, lab reports, projects, computer programs, experimental data, drawings, charts, plans, musical compositions and works of art. This policy applies without regard to the weight assigned to the item plagiarized within the course instructor's grading formula for the course.

Course instructors must report instances of plagiarism to the relevant dean who will then register the offence and any pertinent comments in the student's academic file. Access to this information will be restricted to persons occupying confidential positions in the CBU Deans' offices and the Office of the Registrar. On receiving a report of plagiarism, the dean will consult the student's academic file to ascertain the appropriate action to be taken. In all cases, a copy of the letter sent to the student will also be sent to the course instructor.

Procedure

In any instance where an instructor of a course suspects plagiarism, he/she will, if reasonably possible, meet with the student. When the course instructor cannot reach the student, notifying the student of the required meeting with the course instructor will be the responsibility of the relevant dean. The meeting will include a discussion of the plagiarism policy and the student's particular case, so as to ascertain whether or not there are alternative explanations. If the instructor of the course concludes that the work or any part of it is plagiarized, the course instructor will inform the student and report the offence of plagiarism to the relevant dean. The relevant dean will then provide information to the course instructor regarding previous offences of plagiarism for this student. The penalty will be assessed accordingly (see below).

First offence:

The student will be assessed a penalty by the instructor of the course with the maximum penalty being a zero on the assignment. The relevant dean will register the offence on the student's academic file. He or she will notify the student in writing that another violation of the plagiarism policy, in any course, will result in a course mark of zero and possible discontinuation from CBU.

Second offence:

The relevant dean will review the details of the case and assign a zero in the course in which the plagiarism took place. The dean will also notify the student in writing that another violation of the plagiarism policy in any course will result in discontinuation from CBU. He or she may also recommend to the program dean that the student be discontinued if the case warrants (the rules for discontinuation are

as outlined below). If the program dean agrees with the recommendation, the student will be discontinued. The program dean will inform the student in writing of the action taken, and the reasons for the action.

Third offence:

The relevant dean will inform the program dean, who will officially inform the student in writing, that he/she will be discontinued as of the end of the current semester of registration. The course in which the plagiarism occurred will be assigned a mark of 0. The student will not be permitted to register in any CBU courses, for credit, for 12 months as of the date of discontinuance, nor will CBU accept transfer credits from other institutions if they have been earned during that period. The notation for the discontinuation will appear on the transcript for the duration of the discontinuation. The notation will remain on the student's internal academic file.

Discontinuation Provision

If discontinuation occurs in the fall term, the student will be required to withdraw from any 6 credit courses he/she is enrolled in. He/she may be eligible for a refund for these courses, depending on the date of the reported infraction. However, there will be no refund for the course for which the plagiarized work was submitted. The student will be permitted to complete any three credit courses for that term, provided there has not been a report of plagiarism for those courses. If discontinuation occurs in the winter or spring/summer term, the student may complete any courses in which there has been no charge of plagiarism.

Should a student be readmitted after the discontinuation period, any further incident of plagiarism will result in a further one year discontinuation and the student will have to re-apply to the program if he/she wishes to return after that time period.

Appeals Provision

Students have the right to appeal these decisions, at any stage, to the University Appeals Committee. Please refer to [Appeals of Academic Decisions](#) for more information on how to appeal a grade.

It is important that course instructors stress the institutional policy regarding plagiarism to their class and reference to the policy should be included in course outlines.

Note: Relevant dean refers to the dean to whom the instructor of the course reports. Program dean refers to the dean overseeing the student's program of studies.

toc: Cheating

Cheating

Cheating is the use, possession, receipt, or transmission of unauthorized information pertinent to the subject of any supervised test or examination during such test or examination, or an attempt to commit the same. Impersonation of a candidate at a test or examination is another form of cheating and both parties are considered to have committed an offence.

Procedures:

On discovering such conduct, the proctor of the examination or test will impound the papers of any student who appears to be a willing or knowing participant, as well as any other evidence of the infraction. The facts of the case will be reported to the faculty member(s) involved, as well as to the appropriate school dean.

Penalties:

In the case of a first offence of this nature, where there is no evidence of premeditation or preparation, the instructor may require a substitute examination (or equivalent), or may assign a grade of zero for the test or examination at which the offence occurred. In the case of second offence, or one involving premeditation, the student will receive a grade of zero in the course and the appropriate dean may assess further penalties up to and including discontinuation from CBU.

toc: Other Forms of Academic Misconduct

Other Forms of Academic Misconduct

More serious academic offences, such as producing plagiarized essays or assignments for compensation, theft, distribution or unauthorized retention of examination papers, offering improper inducements in exchange for favourable academic consideration, unauthorized access to or tampering with academic records and forging letters of permission or other academic documents, will be reported to the appropriate school dean. The procedures and penalties that apply to plagiarism and cheating will also apply to these other forms of academic misconduct.

NOTE: In all cases, the dean must also inform the student(s) involved of their rights to appeal to the CBU Appeals Committee.

toc: Transcripts

Transcripts

A transcript is a complete record of the student's academic performance and is maintained in the Registrar's Office. Students may request a copy or copies of their transcript at any time, bearing in mind the following:

- Official transcripts are issued directly to an institution or agency at the student's request;
- Transcripts issued directly to the student, are marked accordingly. They are not official transcripts;
- Partial transcripts are not issued and neither are any documents submitted directly to the Student Service Centre to support a student's application for admission or advanced standing;
- The fee for transcripts must be paid before the transcript is issued.

toc: The Dean's List

THE DEAN'S LIST

(Effective September 2018)

The Dean's List gives special recognition to students who achieve a minimum level of scholarly excellence.

To be eligible for the Dean's List, students must meet the following criteria:

1. Students must achieve an average of 80% for Dean's List or an average of 85% for Dean's List with Distinction with the average calculated using all courses found on the transcript beginning May 1 and ending April 30.
2. Students must complete a minimum of 24 credits in the Fall/Winter term to be considered for inclusion on the Dean's List.
3. Students with a diagnosed disability must complete a minimum of 12 credits in the Fall/Winter term.
4. Students who do not fall into the categories outlined above may officially apply for placement on the Dean's List. Placement will be based upon achievement of at least 80% on at least 30 credit hours completed between the start of a term in a previous year and the end of the current academic year. Students would fall into this category if they took courses on a Letter of Permission at another institution, were on a work term, were enrolled on a part-time basis or completed less than 30 credit hours in an academic year. After having been placed on the Dean's List, these students must take at least 30 additional credit hours to qualify again for placement on the Dean's List.
5. Course failures or blank grades on the transcript between May 1 and April 30 will result in the student being ineligible for inclusion on the Dean's List.
6. The following notation on the transcript between May 1 and April 30 will result in the student being

ineligible for inclusion on the Dean's List: INC – Incomplete, or NGR – No grade received.

7. Students who are eligible for the Dean's List will receive an Honours Society parchment and pin.

The Dean's List will be generated in July and the list will be posted outside the Dean's Offices.

toc: Obtaining a Second Degree from CBU

OBTAINING A SECOND DEGREE FROM CBU

Requirements for Earning a Second Cape Breton University Undergraduate Degree

(Effective Date: This policy would be in effect for any student intending to graduate AT or AFTER the Spring 2014 Convocation.)

toc: Terminology

Terminology

For clarity the following terminology will be used throughout this policy.

Credential:

This will be used throughout this policy to distinguish between programs, for example, BA, BSc, BBA, BACS, BEd, etc.

Degree:

This word will be used to distinguish within a credential between the type of degree independent of any major, focus or option. Examples: 3 year general, 4 year major, double major, honours, etc.

Discipline:

This word refers to the focus of the degree, whether this is a concentration, major, option, etc. Examples: English, Psychology, Physics, Accounting, Intermediate/Secondary Education, etc.

To illustrate: 4 year Bachelor of Arts Major in Psychology:

Credential: Bachelor of Arts

Degree: 4 year major

Discipline: Psychology

toc: Requirements for Earning a Second Undergraduate Degree

Requirements for Earning a Second Undergraduate Degree

1. Second Different Credential:

a) The regulations of the second credential program must be satisfied.

b) A candidate for a second credential must complete a minimum of 30 credits over and above the credits required for the first credential. More than 30 credits may be required to satisfy requirements of the second credential. Transfer credits or course challenges cannot be used to satisfy the 30 credits required.

c) Normally, candidates for a second credential may not choose the same discipline as in the first undergraduate credential. However, candidates whose first credential was a three-year degree may complete a different four-year degree in the same discipline as the first credential. For example, students

who graduate with a three- year BA in Psychology may go on to complete a four-year BSc in Psychology. In this case the new four-year degree will replace the three-year degree previously awarded. A notation will appear on the transcript indicating that the new degree replaces the one previously awarded.

2. Second Degree within the Same Credential:

a) Candidates who hold a three-year degree may upgrade to a four-year degree within the same credential and in the same discipline. In this case the new four-year degree will replace the three-year degree previously awarded. A notation will appear on the transcript indicating that the new degree replaces the one previously awarded.

b) Candidates who hold a four-year degree in a single discipline will be allowed to upgrade to a four-year double major degree with the following conditions:

i) They must satisfy all departmental regulations with respect to the second major.

ii) A notation will be added to the transcript indicating "Double major in _____ and _____ replaces previously awarded degree".

c) Candidates will be allowed to add a new discipline to a previously awarded four-year degree with the following conditions:

i) They must satisfy all departmental regulations for the single major or concentration in the discipline.

ii) A notation will be added to the transcript signifying "Major (Concentration) in _____".

Note: For the purposes of clarification, the distinction between items b) and c) above is as follows. Item b) refers to the case in which a student has a single discipline four-year major and has subsequently satisfied the requirements for a second major within a double major degree. Item c), on the other hand, refers to the case in which a student has a single or double discipline four-year degree and subsequently satisfies all of the requirements for a new single major four-year degree. It should be noted that the requirements for a second major within a double major degree are generally far less stringent than the requirements for the major within a single discipline four-year degree.

d) Candidates will be permitted to upgrade from a major to honours as long as departmental regulations are satisfied. The notation "Certificate of Honours Standing in _____" will be added to the transcript.

toc: Conversion of a CBU Diploma to an Undergraduate degree in the Same Discipline:

Conversion of a CBU Diploma to an Undergraduate degree in the Same Discipline:

1. Candidates who have been awarded a CBU Diploma may complete an undergraduate degree in the same discipline. They must complete a minimum of 30 credits over and above the credits required for the diploma. Transfer credits or course challenges cannot be used to satisfy the 30 credits required. Prior learning assessments cannot be used to satisfy the 30 credits required. The awarding of the undergraduate degree will be noted on the transcript with a notation indicating it replaces the previously awarded diploma.

2. Candidates who simultaneously complete both the requirements for a diploma and those for a degree in the same discipline may only graduate with the degree. Application to graduate with the diploma will not be accepted.

toc: Graduation

GRADUATION

Students meeting their program requirements by April will graduate in May. Otherwise, they will need to complete the requirements by August 30 to graduate in the fall. Spring convocation normally occurs on the second Saturday of May at 2:00 p.m. Fall convocation normally occurs on the first Saturday of November at 2:00 p.m. Students must apply to graduate and should note the deadlines listed in the Calendar of Events.

toc: Degree and Diploma Co-op Programs: Work Terms

DEGREE AND DIPLOMA CO-OP PROGRAMS: WORK TERMS

The following procedures adopted by CBU are also consistent with the criteria established by the Accreditation Council of the Canadian Association for Cooperative Education.

Work term evaluation consists of two components:

1. Performance as evaluated by the employer and by the appropriate advisor in the Student Service Centre. The evaluation is recorded on the student's transcript as either successful or unsuccessful.
2. A work report validated by the student's employer and graded by an appropriate member of the CBU faculty. A letter grade is recorded and indicates relative merit as follows:

A	-	85 - 100%	Excellent
B	-	70 - 84%	Very Good
C	-	60 - 69%	Good
D	-	50 - 59%	Acceptable
F	-	Less than 50%	Failure

toc: Degree Programs

Degree Programs

Students are required to complete successfully both components of the work term. Students who fail the work term will be required to withdraw from the BA and BBA Co-operative Education Internship programs.

Students are not permitted to drop a work period without prior approval of the advisors. Students who drop a work period without permission, or who fail to honour such an agreement to work with an employer, or who conduct themselves in such a manner as to cause their discharge from the job, will usually be awarded a failing rating for the work period.

Students who fail the internship will not be eligible to re-apply for a period of one year. Students seeking re-admission after this period of time has elapsed will have their applications considered by the Selection Committee.

toc: Diploma Programs

Diploma Programs

Successful completion of the three co-op work terms is normally a prerequisite for graduation with the Co-op diploma. However, if CBU is unable to provide three program-related work experiences, the diploma may be awarded if the student has successfully completed two terms. Furthermore, in those extenuating circumstances where CBU is unable to provide two work terms, the dean may recommend that the diploma be awarded without the "co-op" notation.

Students are required to complete successfully both components of the work term in order to receive credit for the work term. If a student is unsuccessful in the work term, she/he will be required to withdraw from the program of study and will not be eligible for re-admission until after the lapse of two terms (eight months). The student will also be required to complete successfully a further work term before being admitted to another academic term. Students with relevant employment experience prior to

registration in a co-op program may apply for credit for Work Term 1.

Prior approval of the advisors is required before leaving a work placement. Permission to leave a work period does not constitute any reduction in the requirements for a co-op program of study. If a work period is left without prior permission, or if a student is unable to honour an agreement to work with an employer, or if a student's conduct is such as to cause discharge from the job, the student will normally be awarded an unsuccessful grade for that work term.

If a student is unsuccessful in two work terms, she/he will be ineligible for re-admission to any co-op diploma program for a period of at least four academic terms. The student does have the right, however, to apply for non-co-op diploma programs.

Students can proceed to Work Term 1 with two course deficiencies in Academic Terms 1 and 2. Students are eligible to proceed to Work Term 2 or 3, if they have no more than one term course deficiency and the deficient course is not considered by the Evaluation Committee to be critical to the ensuing work term performance. Passing a supplementary exam will not qualify a student for the next work term.

toc: Electronic Device Policy

ELECTRONIC DEVICE POLICY

The use of personal electronic devices in the classroom or other instructional space can contribute to instruction and learning. It is important to provide a learning environment respectful of all students and the instructor. There is potential that some behaviour with these devices can interfere with the learning environment. Personal electronic devices include any device that electronically communicates, sends, receives, stores, reproduces or displays voice and/or text communication or data. These include, but are not limited to cellular phones, pagers, smart phones, music and media players, gaming devices, tablets, laptop computers and personal digital assistants. Acceptable use of these devices in the classroom or other instructional space will be at the discretion of the instructor in consideration of individual student needs and the group learning environment. Acceptable uses of personal electronic devices include educational and emergency use in addition to student support. When the use of electronic devices interferes with teaching or learning individuals may be asked to turn off or remove the device. Alternatively they may be asked to leave the class or instructional space.

toc: Access to and Release of Student Information

ACCESS TO AND RELEASE OF STUDENT INFORMATION

The Registrar or delegate is the only CBU official authorized to release official information in the form of student transcripts, grade reports, or letters of standing, whether as individual or aggregate information.

Access to student records is therefore controlled by the Registrar and every caution is taken to ensure their security. Cape Breton University protects the student's right to privacy and as such, access to any private and personal information will only be used for internal purposes and will be restricted to CBU employees who have legitimate reasons for accessing the information. Access to student records by CBU employees is therefore controlled by the Registrar and every caution is taken to ensure their security. Confidentiality of information is required.

Students have access to their records at any time as described under the section in these regulations called Transcripts or online through the student log-in at www.cbu.ca.

toc: Release of Individual Student Information to the Public

Release of Individual Student Information to the Public

A student's parents, spouse, relatives, employers and members of other educational institutions or agencies are considered to be members of the public and the following information may be released in person, in writing, or over the telephone but only if the identity of the individual is confirmed: period of registration, program of studies, certificates, degrees, diplomas awarded, date(s) of convocation.

All other information is considered private and will only be released by the Registrar:

- if the student provides prior written consent;
- in accordance with the requirements of professional licensing or certification bodies;
- under the compulsion of law and then only if the Registrar agrees to release the record;
- in an emergency situation and then only if the Registrar agrees to release the information;
- if an organization sponsoring the student requests a statement of academic performance;
- if a person or agency seeks access to the record for research purposes and the following conditions are met:
 - the intended use of the data is stated in the request and is judged by the Registrar to be an appropriate use of the data.
- any disruption to the operation of the Student Service Centre will be insignificant.

toc: Student Intellectual Property Policy

This policy sets out the guidelines and regulations around intellectual property (IP) related to works created by CBU students as part of their course work as well as when they are employed to conduct research. Please visit the link for more information http://www.cbu.ca/sites/cbu.ca/files/docs/CBU_Student_IP_Policy.pdf

toc: Notification of Disclosure of Personal Information to Statistics Canada

Notification of Disclosure of Personal Information to Statistics Canada and the Maritime Provinces Higher Education Commission

STATISTICS CANADA

Statistics Canada is the national statistical agency. As such, Statistics Canada carries out hundreds of surveys each year on a wide range of matters, including education.

It is essential to be able to follow students across time and institutions to understand, for example, the factors affecting enrolment demand at post-secondary institutions. The increased emphasis on accountability for public investment means that it is also important to understand outcomes. In order to conduct such studies, Statistics Canada asks all colleges and universities to provide data on students and graduates. Institutions collect and provide to Statistics Canada, student identification information (student's name, student ID number, Social Insurance Number), student contact information (address and telephone number), student demographic characteristics, enrolment information, previous education and labour force activity.

The federal Statistics Act provides the legal authority for Statistics Canada to obtain access to personal information held by educational institutions. The information may be used for statistical purposes only and the confidentiality provisions of the Statistics Act prevent the information from being released in any way that would identify a student.

Students who do not wish to have their information used can ask Statistics Canada to remove their identifying information from the national database. On request by a student, Statistics Canada will delete an individual's contact information (name, address, or other personal identifiers) from the PSIS database. To make such a request, please contact Statistics Canada:

Mail

Institutional Surveys Section

Centre for Education Statistics

Statistics, Canada

100 Tunney's Pasture Driveway

R.H. Coats Building, Floor 13 G

Ottawa, ON K1A 0T6

E-mail

statcsn.PSIS-SIEP.statcan@canada.ca

Further details on the use of the information collected by Statistics Canada can be obtained from the Statistics Canada Web Site.

Maritime Provinces Higher Education Commission

The MPHEC collects the data described above on behalf of Statistics Canada. In addition, it archives these data and uses them to generate basic statistics, research products, as well as the sampling frame for its graduate survey. These activities support its mandate, which is to assist institutions and governments in enhancing the post-secondary learning environment. The legal authority for these activities is provided by the Maritime Provinces Higher Education Commission Act. The act also requires that all data received by the Commission is kept confidential, and ensures the protection of personal information. More information about the MPHEC and its Standard for Maintaining Confidentiality may be found at www.mphec.ca.

Regarding those students who do not wish to have their information used. Statistics Canada will notify the MPHEC of any student choosing to have their personal information removed from the national database, and their information will be subsequently be removed from the MPHEC's database.

toc: Directories

Directories

Cape Breton University will prepare lists of students, giving ID, name, address and telephone number for use by its administrative officials, including Students' Union personnel. These lists include information on all currently registered students and are considered to be confidential.

Directories are not permitted to be published.

toc: Degree Programs

PROGRAMS

CBU offers a wide variety of programs leading to the awarding of degrees, diplomas and certificates.

Through CBU degree programs students have the opportunity to work with faculty on research projects that provide hand-on experience. There are courses that move out of the classroom into the field applying theory to tackle real-world problems. A listing of the degree programs and their admission requirements can be found below. Further information about degree program regulations and diploma and certificate programs can be found under the Academic School headings.

toc: Bachelor of Arts

Bachelor of Arts Core (30 credits)	
Group 1: Literacy & Writing Effectiveness	Any 6 credits of English (with the exception of ENGL2601, 2604, 2605, 2633, 2625, 3621,3623) or FRNC2205
Group 2: Humanities	6 credits from among Humanities, Philosophy, History, Gender & Women's Studies, or Religious Studies
Group 3: Social Sciences	6 credits from among Anthro/Soc, Political Science, Economics or Mi'kmaq

	courses
Group 4: Arts, Communication and Culture	6 credits from among Music, Folklore, Communication, Art, Drama, French, Spanish, Gaelic, ENGL2604, ENGL2605
Group 5: Science, Logic and Numeracy	6 credits from among AN/S2200, PHIL2104, PHIL2221*, PHIL2223*, or Quantitative Research Methods (AN/S2212, POLS2162, or PSYC2101/PSYC3101, ENVS2103, Biology, Chemistry, Physics, Geology, MSIT, Accounting, Management Science, or Mathematics * Not available for credit if you have PHIL2222

Additional requirements for Bachelor of Arts programs.

Of the 90 credits required for a 3-year Bachelor of Arts degree, no more than 36 credits shall be at the 1000 level, and of the 120 credits required for a 4-year Bachelor of Arts degree, no more than 45 credits may be at the 1000 level, except with the Dean's permission.

toc: Bachelor of Arts Community Studies

Bachelor of Arts Community Studies

Admission Requirements

Required: Five Grade 12 advanced or academic courses including English, with an overall average of at least 65%.

Students may substitute one Grade 12 open course for one advanced or academic course, except where a particular course is specified.

Please refer to the School of Arts and Social Sciences section for further program information.

toc: BACS/BBA

Bachelor of Arts Community Studies/Bachelor of Business Administration

Please refer to the Shannon School of Business section for further information.

toc: Bachelor of Arts and Science in Environment

INTERDISCIPLINARY DEGREES

Bachelor of Arts and Science in Environment

The Interdisciplinary Bachelor of Arts and Science in Environment is jointly housed in the School of Arts and Social Sciences (SASS) and the School of Science and Technology (SST) and with support from Unama'ki College. The program is overseen by Deans Arja Vainio-Mattila (SASS) and David McCorquodale (SST), and is co-ordinated by a faculty member from each school, Dr. Dana Mount (English) and Dr. Deanne van Rooyen (Geology). BAS Environment is a 4-year degree with an Honours option and is designed for full-time study. The BAS Environment is interdisciplinary and requires students to pursue three streams simultaneously: a science concentration, an arts/social science concentration, and a core set of ENVS courses specially designed for this program, including a field course. Each year the theme of these courses may change to reflect a faculty's specialty, or a topical environmental issue. Respect for and inclusion of Indigenous knowledge is part of the Guiding Principles of the ENVS courses and students in all streams will have opportunity to take Mi'kmaq studies courses towards their degree. This program aims to prepare students to be active and responsible agents in the development of sustainable environmental practices.

Program co-ordinators, Dr. Deanne Van Rooyen and Dr. Dana Mount.

Admission Requirements:

High School credits: Five Grade 12 Advanced or Academic courses including English, Mathematics, Science (Biology, Chemistry or Physics), with an overall average of at least 75%. Additional science credits are highly recommended.

Letter of Interest: In addition to the standard CBU application, students must submit a letter of interest. The letter is an applicant's chance to express their own interest in the program. Applicants might want to describe, for example, how they became interested in the field, why they think they are suited for it, what extracurricular activities they have been involved in that relate to environmental issues, or how they hope to benefit from the program. Creative submissions will also be considered. For more information see the BAS Environment website or contact the Program Co-ordinators.

Transfer Students: Students with existing university credits can apply to the program if they have an overall average of 60%, and if they have the high school credits required for direct-entry applicants (see above). Students without the required high school mathematics or science credits can be accepted if they have completed a university-level science course with a laboratory component and a university-level mathematics course. Transfer credits will be assessed and granted according to existing CBU policies. Transfer students must also submit the Letter of Interest (see above).

toc: Bachelor of Business Administration

Bachelor of Business Administration

Admission Requirements

Required: Five Grade 12 advanced or academic courses including English and Mathematics or Pre-calculus Mathematics, with an overall average of at least 65%. Students may substitute one open course for one advanced or academic course, except where a particular course is specified.

Bachelor of Business Administration-Accounting Major

Admission Requirements:

Students who have completed year one or year two of the BBA degree program may apply for admission to the BBA Major in Accounting. Students must be in good academic standing with a minimum 60% average.

Bachelor of Business Administration- Marketing Major

Admission Requirements:

Students who have completed year one or year two of the BBA degree program may apply for admission to the BBA Major in Marketing. Students must be in good academic standing with a minimum 60% average.

Bachelor of Business Administration- Supply Chain Management Major

Admission Requirements:

Students who have completed year one or year two of the BBA degree program may apply for admission to the BBA Major in Supply Chain Management. Students must be in good academic standing with a minimum 60% average.

Please refer to the Shannon School of Business section for further program information.

toc: Bachelor of Education

Bachelor of Education

Admission Requirements

INTERMEDIATE/SECONDARY EDUCATION PREREQUISITES

- A concentration of at least 30 credit hours of university coursework in a discipline, taught in Nova Scotia secondary schools as outlined in the Public School Program; a maximum of six credit hours of cognate university coursework may be included in fulfilment of this requirement;
- A concentration of at least 18 credit hours of university coursework in a second discipline, taught in Nova Scotia secondary schools as outlined in the Public School Program; a maximum of six credit hours of cognate university coursework may be included in fulfilment of this requirement.

INTERMEDIATE/SECONDARY TEACHABLES

English, Math, French, Fine Arts, Technology, Science (Biology, Chemistry, Physics, Geology/Earth Sciences, Oceanography or Environmental Studies) and Social Studies (History, Geography, Political Science, Anthropology*, Sociology, Economics, African Canadian Studies, Mi'kmaq Studies, Law and Classics). Applicants to the Bachelor of Education (Intermediate/Secondary) cannot be accepted to this program if the first and second teachable disciplines are both social studies related disciplines.

* can be used as a second teachable discipline only

ELEMENTARY EDUCATION PREREQUISITES

Candidates for the Bachelor of Education (Elementary) must have successfully completed the following:

- 6 credits in social studies (from among History, Geography, Political Science, Anthropology, Sociology, Economics, African Canadian Studies, Mi'kmaq Studies and/or Philosophy) NOTE: This requirement will change to six (6) credits of university social studies coursework for May 2013.
- 6 credits in science (from among Biology, Chemistry, Physics, Geology/Earth Sciences, Oceanography or Environmental Studies)
- 6 credits in Mathematics
- 6 credits in English
- 6 credits in Developmental Psychology

All students are required to have an undergraduate degree from a recognized university, with a minimum of 90 credit hours completed.

Students in good academic standing, who have achieved an average of at least 65% throughout their undergraduate degree and an average of at least 70% in the last 60 credits attempted, are eligible for admission to the program.

Please see the School of Professional Studies section for further program information.

toc: Bachelor of Engineering Technology

Bachelor of Engineering Technology

This Degree is available in five distinct technical disciplines: 1) Chemical, 2) Electronics & Controls, 3) Environmental Studies, 4) Manufacturing and 5) Petroleum.

1. [Bachelor of Engineering Technology \(Chemical\) and \(Advanced Chemical\)](#)

Admission Requirements

High School Graduates: Five Grade 12 advanced or academic courses including English, Mathematics and two sciences (Physics and Chemistry are recommended, with an overall average of at least 65%). Environmental Science 12 may be used as the second science with biology, chemistry or physics.

Diploma/Degree Graduates: Appropriately accredited community college diploma at the technologist level or university science degree, where the programs are a reasonable match. CBU has agreements with many colleges which specify the matching programs and, in some cases, matching courses that allow transfer credits.

Partially Completed Diploma/Degree: Admissions and course selection will be done on an individual basis in consultation with an academic advisor from the Engineering Department.

[2. Bachelor of Engineering Technology \(Electronics and Controls\):](#)

Admission Requirements

High School Graduates: Five Grade 12 advanced or academic courses including English and Mathematics, and two other sciences (Physics is recommended); with an overall average of at least 65%.

Diploma/Degree Graduates: Appropriately accredited community college diploma at the technologist level or university science degree in electrical/electronics and closely related programs only. CBU has agreements with many colleges which specifies the matching programs and, in some cases, matching courses that allow transfer credits.

Partially Completed Diploma/Degree: Admissions and course selection will be done on an individual basis in consultation with an academic advisor from the Engineering Department.

[3. Bachelor of Engineering Technology \(Environmental Studies\)](#)

Admission Requirements

High School Graduates: Five Grade 12 advanced or academic courses including English, Mathematics and two sciences (Physics and Chemistry are recommended, with an overall average of at least 65%). Environmental Science 12 may be used as the second science with biology, chemistry or physics.

Diploma/Degree Graduates: Appropriately accredited community college diploma at the technologist level or university science degree, where the programs are a reasonable match. CBU has agreements with many colleges which specify the matching programs and, in some cases, matching courses that allow transfer credits.

Partially Completed Diploma/Degree: Admissions and course selection will be done on an individual basis in consultation with an academic advisor from the Engineering Department.

[4. Bachelor of Engineering Technology \(Manufacturing\)](#)

Admission Requirements

Currently, applications will be accepted into the Manufacturing stage only, with the successful completion of an acceptable Technology diploma.

PLEASE NOTE THAT THE MECHANICAL ENGINEERING TECHNOLOGY DIPLOMA PROGRAM IS CURRENTLY UNDER REVIEW. INTERESTED STUDENTS SHOULD CONTACT THE ENGINEERING DEPARTMENT FOR FURTHER INFORMATION. The Bachelor of Engineering Technology Degree (Manufacturing) remains available to graduates of acceptable Technology Diploma Programs.

High School Graduates: Five Grade 12 advanced or academic courses including English and Mathematics and two sciences; (Physics is recommended) with an overall average of at least 65%.

Diploma/Degree Graduates: Appropriately accredited community college diploma at the technologist level or university science degree, where the programs are a reasonable match. CBU has agreements with many colleges which specifies the matching programs and, in some cases, matching courses that allow transfer credits. Contact the department for details.

Partially Completed Diploma/Degree: Admissions and course selection will be done on an individual basis in consultation with an academic advisor from the Engineering department.

[5. Bachelor of Engineering Technology \(Petroleum\)](#)

Admission Requirements

High School Graduates: Five Grade 12 advanced or academic courses including English, Mathematics and two other sciences; (Physics and Chemistry recommended) with an overall average of at least 65%.

Diploma/Degree Graduates: Appropriately accredited community college diploma at the technologist level, or university science degree, where the programs are a reasonable match. CBU has agreements with many colleges which specifies the matching programs and, in some cases, matching courses that allow transfer credits.

Partially completed diploma/degree: Admissions and course selection will be done on an individual

basis in consultation with an academic advisor from the Engineering Department.

Please see the School of Science and Technology section for further program information.

toc: Bachelor of Engineering Transfer Program

Bachelor of Engineering Transfer Program

Admission Requirements

Required: Five Grade 12 advanced or academic courses including English; Mathematics; and two grade 12 academic sciences with an overall average of at least 65%. Pre-calculus Mathematics 12 and Physics 12 is recommended.

Students may substitute one open course for one advanced or academic course except where a particular course is specified.

Students in all Engineering options are required to write the Calculus Readiness Test for entry into the required MATH1105 or MATH1101 course (See Calendar of Events).

[Please refer to the School of Science and Technology section for further program information.](#)

toc: Bachelor of Health Sciences (Public Health)

Admission Requirements

High School Graduates: five Grade 12 advanced or academic courses including English, Mathematics, Chemistry and one other science; with an overall average of at least 65%. Biology is recommended.

Diploma Graduates: Admissions and course selection will be done on an individual basis in consultation with an academic advisor from the program, with admission to the 4 year program.

Degree Graduates: appropriately accredited university science degree. The following term-courses or their equivalents are required for entry into the two-year accelerated option.

- 3 credits Chemistry;
- Introductory Microbiology;

Students entering the two year accelerated option may request a transfer credit assessment to receive up to twelve (12) credit transfers for courses already completed in their first degree, as long as the appropriate material was covered (to be determined by the department).

Partially completed degree: Admissions and course selection will be done on an individual basis in consultation with an academic advisor from the program, with entry into 4 - year program.

In-career health inspectors: CPHI(C) credential is required to enter the one-year professional degree completion option.

toc: Bachelor of Hospitality and Tourism Management

Bachelor of Hospitality and Tourism Management

Admission Requirements

Required: Five Grade 12 advanced or academic courses including English and Mathematics with a minimum average requirement of 65%.

Students may substitute one open course for one advanced or academic course, except where a particular course is specified.

Please refer to the Shannon School of Business section for further program information.

toc: Bachelor of Science

Bachelor of Science

Admission Requirements

Required: Five Grade 12 advanced or academic courses including English; two Sciences (one of which must be Biology, Chemistry, or Physics); and Mathematics or Pre-Calculus Mathematics with an overall average of at least 65%. Recommended: Pre-Calculus Mathematics.

Students may substitute one Grade 12 open course for one advanced or academic course, except where a particular course is specified.

Environmental Science 12 may be used as the second science with Biology, Chemistry or Physics.

These regulations were accurate at the time of publication. Some changes are anticipated. Please check with the Dean's office for current regulations.

Please refer to the School of Science and Technology section for further program information.

toc: Bachelor of Science Community Studies

Bachelor of Science Community Studies

Admission Requirements

Required: Five Grade 12 advanced or academic courses including English; two Sciences (one of which must be Biology, Chemistry, or Physics); and Mathematics or pre-calculus Mathematics with an overall average of at least 65%. Recommended: Pre-calculus Mathematics.

Students may substitute one open course for one advanced or academic course except where a particular course is specified.

Environmental Science 12 may be used as the second science with Biology, Chemistry or Physics.

It is strongly recommended that students contact CBU's Student Advisors to discuss their two work placements within the first year of their program.

Please refer to the School of Science and Technology section for further program information.

toc: Bachelor of Science in Human Nutrition (Transfer)

Bachelor of Science in Human Nutrition (Transfer)

Admission Requirements

toc: Bachelor of Science Nursing

Bachelor of Science Nursing

Nursing is a distinctive health profession, both an art and a science that focuses on health promotion, maintenance and restoration, illness prevention and palliative care. CBU believes that nurses are key to the overall health of society.

The Bachelor of Science, Nursing (BScN) is a program that prepares nurses to practice in a variety of health care settings. The curriculum is a blend of biological, social sciences, humanities and nursing courses, combining academic and professional theory with nursing practice. In 2016, the CBU nursing program adopted a model of concept-based learning to keep pace with the evolving nature of nursing education. A concept-based curriculum aides in assisting students to develop the high level of clinical reasoning and nursing judgement needed to respond to the complexity of today's health care system. Concept-based learning is student-centered and student-directed. Students are encouraged to be active learners; to delve into course content, and to learn how to access information independently.

Please refer to the School of Professional Studies section for further program information.

toc: Bachelor of Emergency Management

Bachelor of Emergency Management

Emergency Management is an exciting and dynamic discipline committed to developing, implementing, maintaining and evaluating strategic management processes to prevent and mitigate, prepare for, respond to and recover from natural, technological or human-caused incidents. It's about understanding these events, and contributing to safer and more resilient communities.

The program will be of interest to individuals who wish to expand their emergency management competencies, and are eligible to graduate with one of the following three credentials:

- (1) Diploma in Emergency Management (45 credits);
- (2) Bachelor of Emergency Management (90 credits); or
- (3) Bachelor of Emergency Management (Major in Health Emergency Management) (120 credits).

Students will have the option to complete their credential through either part-time or full-time study, and by attending classes on-campus or via distance learning.

Please refer to the Shannon School of Business for further program information.

toc: Bachelor of Technology Information

Bachelor of Technology Information

Admission Requirements

Required: Five Grade 12 advanced or academic courses including English and Mathematics or Pre-calculus Mathematics, with an overall average of at least 65%.

Please see the Shannon School of Business section for further program information.

toc: Master of Business Administration in Community Economic Development

Master of Business Administration in Community Economic Development

Admission Requirements

To meet standard admission requirements for the MBA in CED, a Bachelor's Degree with a B average from a recognized university is required.

The application will be processed when all of the following documents and fees have been received:

- a completed application form, with the non-refundable application fee
- official transcripts for all previous post-secondary study
- a resume detailing employment experience, skills, community involvement and interests
- a 500-800 word statement on desire to enter the program
- three reference letters, preferably including one professional and one academic reference, each accompanied by a completed reference form
- satisfactory scores on the GMAT or GRE
- satisfactory scores on the TOEFL/IELTS (for students whose native language is not English)
- satisfactory performance in an interview

Candidates who do not have an undergraduate degree, and show potential for success in graduate level study, may be admitted to the MBA in CED as non-traditional students. Extensive career and/or volunteer experience are expected. The candidates will be assessed individually in such areas as experience and performance in a number of education/training courses. Applicants must provide all documentation listed above and a 4-6 page essay outlining desire to enter the program.

Reference letters must be originals, sent directly by the referees. Only official transcripts sent by the

Registrar of the issuing institution will be accepted. The Educational Testing Service must forward GMAT, GRE and TOEFL/IELTS score reports. Photocopies of any of these documents will not be accepted.

SEMESTER FORMAT DELIVERY

The semester format delivery follows the September – April academic year on campus in Sydney.

Deadline for application is May 31, for a September start.

MODULAR FORMAT DELIVERY

The modular format appeals to working adults. It includes short, on-site residencies followed by deliverables paced over a 12 week period. This residential program enables learners to take four to five classes each July in Sydney and thus complete all program coursework over three July residencies (26 months).

Deadline for application is March 31, for a July start.

Note: Students can combine the semester format and modular format delivery to complete the program in 12 months.

WEEKEND FORMAT DELIVERY (OFF CAMPUS)

Learners can opt to complete the program in 22 months by attending classes on alternate weekends in certain cities across Canada, including Edmonton and Saskatoon.

Please contact mba@cbu.ca regarding application deadlines and venues.

SCHEDULES, TUITION AND FEES

Program schedules, tuition and fees for off-campus delivery will differ from the program offered on-site at Cape Breton University's Sydney campus. For more information about the Master of Business Administration in Community Economic Development program at different locations, please contact the Director at mba@cbu.ca, or (902) 563-1467.

ADVANCED STANDING

Requests from applicants to receive transfer credits for courses will be reviewed individually. Transcripts of courses, along with a detailed description of course content will be required.

Students can make a request to challenge course(s) and each request will be reviewed on its own merits.

Applicants can apply for advanced standing on the basis of career experience and training and each request is subject to a Prior Learning Assessment (PLA) review.

Please see the Shannon School of Business section for further program information.

toc: Master of Education (Information Technology)

Master of Education (Information Technology)

Admission Requirements

In addition to meeting the requirements in the general degree regulations, Faculty of Education, MUN, candidates must have successfully completed one of: a diploma or certificate in information technology from an accredited institution; CBU EDUC5132; MUN E2751 and MUN E3751; or equivalent, as determined by the program steering committee.

Please see the School of Professional Studies for further program information.

toc: Master of Education in Sustainability, Creativity and Innovation (MEd SCI)

Master of Education in Sustainability, Creativity, and Innovation (MEd SCI)

Program Admission

Program admission requires students to have a minimum of an undergraduate degree with a 70% average. The application package includes an online letter of intent, an academic letter of recommendation and a professional letter of recommendation. In addition, all applicants need to complete the online general CBU application form. All post-secondary transcripts and reference letters to be sent to: Manager of Teacher Education at CBU.

For more information on this program, please see the School of Professional Studies.

toc: School of Arts and Social Sciences

SCHOOL OF ARTS AND SOCIAL SCIENCES

Disclaimer

When changes are made in program structure, a student already registered may choose to satisfy the new program requirements or to complete the program as it was when the student began his/her program if this is still possible and reasonable.

Cape Breton University (CBU) does not accept any responsibility for loss or damage suffered or incurred by any student as a result of suspension or termination of services, courses, or classes caused by reason of strikes, lockouts, riots, weather, damage to University property and any other cause beyond the reasonable control of CBU.

Each student bears the responsibility of ensuring that his/her course choices satisfy both the overall program regulations and the individual department regulations for specializations, concentrations or majors.

[Andy Parnaby, PhD](#) – Dean

The School of Arts and Social Sciences is the administrative home of the Bachelor of Arts degree and the Bachelor of Arts Community Studies degree. The degrees may be completed through either full-time or part-time study.

The Bachelor of Arts offers a diverse range of Honours, Majors, Concentrations in its 3 year and 4 year degrees. Students will develop their expertise in a particular field as well as their critical thinking abilities as they become the kind of adaptable and independent employees sought after by employers. For more information on our Bachelor of Arts program visit us at www.cbu.ca

The Bachelor of Arts Community Studies (BACS) program is a process-oriented, experiential degree program that prepares students for the job market. The core Community Studies courses are delivered in a small group format and focus on problem-solving, critical thinking, community based research and intervention, self-directed learning, reflective learning and work placements. There are transfer credit arrangements with community colleges in Newfoundland, New Brunswick and Nova Scotia as well as the Atlantic Police Academy in PEI. The 3- year degree program can be completed online as well as on campus. The online BACS degree options are limited to the disciplines currently offered online (see [Online Education](#) course offerings).

[BA General Program – 3-Year Degree](#)

[Anthropology](#), [Anthropology-Sociology \(jointly\)](#), [Celtic Culture](#), [Communication](#), [English](#), [Ethnomusicology](#), [Folklore](#), [French](#), [History](#), [Mathematics](#), [Mi'kmaq Studies](#), [Philosophy](#), [Political Science](#), [Psychology](#), [Religious Studies](#) and [Sociology](#).

[BACS General Program – 3 Year Degree](#)

In addition to the core Community Studies courses (24 credits), students choose an Academic Field (24 credits) from a variety of disciplines, plus career related disciplines and electives

BA/BACS Major Program – Major/Minor and Double Major 4-Year Degree

Major in [Anthropology](#), [Anthropology-Sociology \(jointly\)](#), [Communication](#), [Dramatic Literature](#), [English](#), [Folklore](#), [History](#), [Mathematics](#), [Mi'kmaq Studies](#), [Philosophy](#), [Political Science](#), [Psychology](#) and [Sociology](#).

[Minors](#) can be taken in any subject in which CBU offers at least 24 credits, and must normally consist of courses from a single subject. Minors are also available in approved inter-disciplinary programs (e.g.

Gender and Women's Studies); in these cases, see program regulations for approved courses. EXCEPTION: Community Studies (COMS) may NOT be used as a minor.

BA/BACS Major Program - Area Major 4-Year Degree

Students considering these options should consult a department chair.

BA/BACS Honours Program

CBU offers honours programs in the following areas: [Anthropology](#), [Communication](#), [English](#), [History](#), [Political Science](#), [Psychology](#) and [Sociology](#)

BACS Sports & Physical Activity Leadership (3 Year, 4 year Major and 4 year Honours)

Students are required to take the core [Community Studies courses](#) (24 credits), in addition to the specific requirements for [Sports and Physical Leadership](#) courses, (24 credits), plus career related disciplines and electives. Students pursuing a Major program must also meet requirements for a [Minor](#).

BACS Music Major – 4 Year Degree

This major specializes in traditional and tradition-based popular music. It requires a [Major in Music](#), the [core Community Studies](#) courses (30 credits), a [Minor](#) and electives.

BACS Applied Theatre – 4 Year Degree

Students are required to take the core [Community Studies courses \(30 credits\)](#), a [Major in Applied Theatre](#), a [Minor](#) and electives.

Bachelor of Arts Community Studies/Bachelor of Business Administration – 4 year Degree

CBU offers students an opportunity to obtain both their BACS and BBA degrees in four years. At the end of three successful years, students will receive a Bachelor of Arts Community Studies degree with an academic focus in Business. After the fourth successful year, they will receive a Bachelor of Business Administration.

BAS Environmental (Major or Honours) - 4 year Degree

[The Bachelor of Arts and Science in Environment](#) is offered in conjunction with the School of Science and Technology. Students are required to take courses in Environmental Studies (24 credits, including field course), Foundational courses (30 credits), Science Concentration (30 credits), Arts Concentration (30 credits); Honours or Capstone project: 6 credits. All BASE students should contact the Director for Advising.

Diploma and Certificate Programs

The school offers a [Diploma in Public Administration and Management](#), and Certificates in [Theatre Arts](#), [Ethnomusicology](#), [Heritage Studies](#), [Public Administration](#), and [Social Research](#).

toc: Departments

Departments

Department of Communication and Languages (Chair: [Dawn White](#)): Communication, French, Gaelic, Spanish

Department of Experiential Studies in Community and Sport (Chair: [Pat Maher](#)): Community Studies, Sport and Physical Activity Leadership

Department of Humanities (Chair: [Ruby Ramji](#)): Gender and Women's Studies, History, Philosophy, Religious Studies

Department of Literature, Folklore, and The Arts (Chair: [Todd Pettigrew](#)): Art, English, Folklore, Music

The Department of Psychology falls under the School of Science and Technology. However, majors are available to students in the Bachelor of Arts and Bachelor of Arts Community Studies degrees. Students should consult the Dean of Science and Technology or the Chair for more information.

toc: Academic Program Regulations for Bachelor of Arts

Bachelor of Arts Core (30 credits)	
Group 1: Literacy & Writing Effectiveness	Any 6 credits of English (with the exception of ENGL2601, 2604, 2605, 2633, 2625, 3621,3623) or FRNC2205
Group 2: Humanities	6 credits from among Humanities, Philosophy, History, Gender & Women's Studies, or Religious Studies
Group 3: Social Sciences	6 credits from among Anthro/Soc, Political Science, Economics or Mi'kmaq courses
Group 4: Arts, Communication and Culture	6 credits from among Music, Folklore, Communication, Art, Drama, French, Spanish, Gaelic, ENGL2604, ENGL2605
Group 5: Science, Logic and Numeracy	6 credits from among AN/S2200, PHIL2104, PHIL2221*, PHIL2223*, or Quantitative Research Methods (AN/S2212, POLS2162, or PSYC2101/PSYC3101, ENVS2103, Biology, Chemistry, Physics, Geology, MSIT, Accounting, Managment Science, or Mathematics * Not available for credit if you have PHIL2222

Additional requirements for Bachelor of Arts programs.

Of the 90 credits required for a 3-year Bachelor of Arts degree, no more than 36 credits shall be at the 1000 level, and of the 120 credits required for a 4-year Bachelor of Arts degree, no more than 45 credits may be at the 1000 level, except with the Dean's permission.

toc: Program Options

1. [Bachelor of Arts 3 Year \(90 credits\)](#)
2. [Bachelor of Arts Major/Minor \(120 credits\)](#)
3. [Bachelor of Arts Double Major \(120 credits\)](#)
4. [Bachelor of Arts Area Major \(120 credits\)](#)
5. [Bachelor of Arts \(Honours\) \(120 credits\)](#)

toc: Admission Requirements

Admission Requirements

Required: Five Grade 12 advanced or academic courses including English, with an overall average of at least 65%.

Students may substitute one Grade 12 open course for one advanced or academic course, except where a particular course is specified.

toc: Academic Program Regulations for Bachelor of Arts Community Studies Degrees

Bachelor of Arts Community Studies 3 year	
Core	COMS1100, COMS2103, COMS2105, COMS2101, COMS3100, COMS3101
Academic Field	24 credits in one discipline with at least 6 credits at the 3000 or 4000 level
Career Area	24 credits between two or three different disciplines
Electives	18 credits in any discipline (maximum 6 credits from Academic Field and Career Area)
COMS4100 : Self Directed Senior Project is required for all 4 year BACS degrees.	

toc: Program Options

1. [Bachelor of Arts Community Studies 3 year \(90 credits\)](#)
2. [Bachelor of Arts Community Studies 4 year Major/Minor \(120 credits\)](#)
3. [Bachelor of Arts Community Studies 4 year Double Major \(120 credits\)](#)
4. [Bachelor of Arts Community Studies 4 year Area Major \(120 credits\)](#)
5. [Bachelor of Arts Community Studies 4 year \(Honours\) \(120 credits\)](#)

toc: Admission Requirements

Admission Requirements

Required: Five Grade 12 advanced or academic courses including English, with an overall average of at least 65%.

Students may substitute one Grade 12 open course for one advanced or academic course, except where a particular course is specified.

toc: Academic Program Regulations for Bachelor of Arts and Science in Environment

toc: Program Options

Program Options:

4-Year BAS Environment (120 Credits)

- Foundational courses (30 credits)
- Science Concentration Electives (30 credits)
- Arts Concentration Electives (30 credits)
- ENVS Core (24 credits)
- Capstone project (6 credits)

4-Year BAS Environment, Honours (120 credits)

- Foundational courses (30 credits)
- Science Concentration Electives (30 credits)
- Arts Concentration Electives (30 credits)
- ENVS Core (24 credits)
- Honours Project (6 credits)

Environmental Assessment Certificate option (9 credits*)

- Environmental Impact Assessment I, Environmental Impact Assessment II, Environmental Auditing
- *this Certificate requires 6 extra credits above and beyond the 120 needed for the degree

Arts Concentrations:

The arts concentrations were designed to help students build a coherent body of knowledge and skills within a field of their interest while helping them focus on post-graduate paths they might pursue. There is a great deal of flexibility within these streams.

1. Science and Citizenship (selections from Philosophy, Mi'kmaq Studies, Anthropology and Sociology, and Political Science)
2. Nature, Culture, Communication (selections from English, Mi'kmaq Studies – linguistics, Communication, Anthropology and Sociology, French, Sports and Physical Activity Leadership)
3. Environmental Humanities (selections from English, History, Mi'kmaq Studies, Humanities, Philosophy)

Science Concentrations:

The science concentrations were designed to give students enough in-depth knowledge in one area of the sciences so that they can be scientifically literate and competent. Because science courses often build on each other and have important prerequisites, there is much less flexibility within these concentration streams. Students may choose from pathways in:

1. Biology
2. Chemistry
3. Math
4. Psychology

Environmental Studies Core:

These courses have been specially-designed for the BAS Environment according to five Guiding Principles. Each course shall: 1) Emphasise Indigenous perspectives; 2) Focus on interdisciplinarity; 3) Spotlight cutting edge and exciting material from multiple sectors and in diverse forms; 4) Concentrate on research methods and research ethics; 5) Emphasise writing and communication. The theme of each course will be determined by a professor's research interests and the topical environmental issues of the day.

ENVS1101 The Art and Science of Environmental Studies
 ENVS2101 Canadian Environmental Perspectives
 ENVS2103 Intersectional Environmental Science
 ENVS3101 Environmental writing: past and present
 ENVS3103 Environment and Business
 ENVS3104 Field Course in Environmental and Community Issues
 ENVS4101 Sustainability, Resources, and Environment
 ENVS4103 Global Environmental Perspectives
 ENVS4802 Environmental Solutions: Capstone Project (6 credits)
 OR
 ENVS4900 Honours Project (6 credits)

toc: Academic Program Regulations for BAS Environment Degree

Bachelor of Arts and Science in Environment (BAS in Environment) (Honours)

Four-year, 120 credit degree with HONOURS

- Core courses: 8 ENVS core courses (24 credits)
- Honours or Capstone: 6 credit Honours thesis project OR 6 credit Capstone project course.
- Foundational courses: 10 courses (30 credits)
- Science Concentration: 10 courses (30 credits) in science concentration with 4 courses (12 credits) at 3000/4000 level)
- Arts Concentration: 10 courses (30 credits) in arts concentration with 4 courses (12 credits) at 3000/4000 level)
- Maximum 1000-level: 15 courses (45 credits) in total; 7 (21 credits) as mandatory courses (ENVS and foundational), 2 – 4 courses (6 – 12 credits) in science concentration, 2 – 4 courses (6 – 12 credits) in arts concentration.
- Minimum 3000/4000 level: 15 courses (45 credits), 4 courses (12 credits) in the science concentration, and 4 courses (12 credits) in the arts concentration, and 5 ENVS core courses (15 credits) and an Honours thesis or Capstone project (6 credits).

Environmental courses (ENVS) (24 + 6 credits)

- ENVS1101 The Art and Science of Environmental Studies
- ENVS2101 Canadian Environmental Perspectives
- ENVS2103 Intersectional Environmental Science
- ENVS3101 Environmental writing: past and present
- ENVS3103 Environment and Business
- ENVS3104 Field Course in Environmental and Community Issues (OR BIOL Field)
- ENVS4101 Sustainability, Resources, and Environment
- ENVS4103 Global Environmental Perspectives
- ENVS4802 Environmental Solutions: Capstone Project OR ENVS 4900 Honours Project

Foundational courses (30 credits)

- 6 credits of ENGL (with the exception of ENGL2601, 2604, 2605, 2623, 2625, 3621, 3623)
- 9 credits GEOL 1105, GEOL1205, and GEOL2103 or GEOL3101 (GEOL2101 can be used for GEOL1105)
- 6 credits MATH1109 (or MATH1105) and MATH1211 (or MATH1206)
- 3 credits ENVI3131 or ENVI3138
- 3 credits from PHIL2107 or PHIL2221 or PHIL2223 or PHIL2104
- 3 credits in MIKM

*In CHEMISTRY CONCENTRATION MATH1105 and MATH1206 are recommended and will replace MATH1109 and MATH1211

*In the Mathematics concentration MATH1105 and MATH1206 are required and will replace MATH1109 and MATH1211

*In the Psychology concentration students can receive credit for MATH1109, MATH1211, PSYC2101 and PSYC2111 OR PSYC2101 and PSYC2111 can replace MATH1109 and MATH1211 if students take 6 additional MATH credits.

*In Biology concentration students can receive credit for MATH1211 and BIOL3101 OR replace MATH1211 with BIOL3101 and take 3 additional MATH credits

SCIENCE CONCENTRATION: pick one from BIOL, CHEM, MATH, PSYC

- Pick 10 courses (30 credits) in a science concentration with at least 4 courses (12 credits) at 3000/4000 level)
- Students have to make sure that prerequisites for upper courses are taken into account when choosing 1000 and 2000 level options.
- Within each subject area there may be specific required courses to continue in that area.
- The courses listed below are all recommended options, others can be used as well.

BIOLOGY CONCENTRATION

- 15 credits - BIOL1101, BIOL1601, BIOL2503, BIOL2504, BIOL3523
- 15 credits - choose any BIOL courses at 2000 level and up, with at least 3 courses at 3000 and 4000 level.
- MICR2101 can be used as BIOL credit
- Recommended: BIOL2301, BIOL2411, BIOL3101, BIOL3331, BIOL3431, BIOL3451, BIOL3501,

BIOL4501, BIOL4505, BIOL4241, BIOL4431, BIOL4453 (any others acceptable too)

CHEMISTRY CONCENTRATION

- 21 credits - CHEM1104, CHEM1105, CHEM2301, CHEM2303, CHEM2403, CHEM2501, CHEM3401 or CHEM3403
- 9 credits - choose any three CHEM courses at 3000 and 4000 level.
- Recommended: CHEM2401, CHEM 2404, CHEM3301, CHEM3501, CHEM4301, CHEM4403, CHEM4501, CHEM4401

MATHEMATICS CONCENTRATION

- Note: MATH1105 replaces MATH 1109 and MATH1206 replaces MATH1211 in the Foundational Courses
- 18 credits - MATH1204, MATH2101, MATH2103, MATH2106, MATH2109, MATH2208
- 12 credits - choose any four MATH courses at 3000 and 4000 level

PSYCHOLOGY CONCENTRATION

- 15 credits - PSYC1101, PSYC1103, PSYC2701, PSYC2401, PSYC3304
- 15 credits - choose any PSYC courses at 2000 level and up, with at least 3 courses at 3000 and 4000 level.
- Recommended: PSYC2101, PSYC2111, PSYC2253, PSYC3304, PSYC3101, PSYC3401 (any others acceptable too)

Arts/Humanities/Social Science Concentration

- Pick 10 courses (30 credits) in an arts concentration with at least 4 courses (12 credits) at 3000/4000 level)
- Students have to make sure that prerequisites for upper courses are taken into account when choosing 1000 level options.

SCIENCE AND CITIZENSHIP (Anthropology and Sociology, Mi'kmaq Studies, Philosophy, Political Science)

- 6 to 12 credits at 1000 level
- 18 to 24 credits at 2000 level and above, c with at least 12 credits (4 courses) at 3000 and 4000 level
- Course choices from PHIL, MIKM, POLS, AN/S

NATURE, CULTURE, COMMUNICATION (Mi'kmaq Studies - linguistics, Communication, English, French, Sport and Physical Activity Leadership, Anthropology and Sociology)

- 6 to 12 credits at 1000 level
- 18 to 24 credits at 2000 level and above, c with at least 12 credits (4 courses) at 3000 and 4000 level
- Course choices from MIKM, COMM, ENGL, FRNC, SPAL, AN/S

ENVIRONMENTAL HUMANITIES (English, History, Mi'kmaq Studies, Humanities)

- 6 to 12 credits at 1000 level
- 18 to 24 credits at 2000 level and above, with at least 12 credits (4 courses) at 3000 and 4000 level
- Course choices from MIKM, ENGL, HIST, HUMA

Honours

- 6 credits ENVS4900
- An average of 75% in the concentration of the thesis topic (either science or arts) for all 2nd year level and higher courses
- An overall average of 70% average in their program for 2nd year and above
- Honours degrees are only awarded to graduating students with an overall average of 70% or above

Environmental Assessment Certificate option

- 9 credits ENVI3131, ENVI3133, ENVI3138
 - This option has 6 credits "extra to degree"
- Bachelor of Arts and Science in Environment (BAS in Environment) (MAJOR)

Four-year 120 credit degree MAJOR

- Maximum 1000-level: 15 courses (45 credits) in total; 7 (21 credits) as mandatory courses (ENVS and foundational), 2 – 4 courses (6 – 12 credits) in science concentration, 2 – 4 courses (6 – 12 credits) in arts concentration.
- Minimum 3000/4000 level: 15 courses (45 credits), 4 courses (12 credits) in the science concentration, and 4 courses (12 credits) in the arts concentration, and 5 ENVS core courses (15 credits) and an Honours thesis or Capstone project (6 credits).
- Core courses: 8 ENVS core courses (24 credits)
- Honours or Capstone: 6 credit Honours thesis project OR 6 credit Capstone project course.
- Foundational courses: 10 courses (30 credits)
- Arts Concentration: 10 courses (30 credits) in arts concentration with 4 courses (12 credits) at 3000/4000 level)
- Science Concentration: 10 courses (30 credits) in science concentration with 4 courses (12 credits) at 3000/4000 level). Two courses (6 credits) may be in a science outside of concentration but 3000/4000 level requirements will still apply. (The concentration will not be a science teachable for secondary school anymore, 30 credits are required for that.)

Environmental courses (ENVS) (24 + 6 credits)

- ENVS1101 The Art and Science of Environmental Studies
- ENVS2101 Canadian Environmental Perspectives
- ENVS2103 Intersectional Environmental Science
- ENVS3101 Environmental writing: past and present
- ENVS3103 Environment and Business
- ENVS3104 Field Course in Environmental and Community Issues (OR BIOL Field)
- ENVS4101 Sustainability, Resources, and Environment
- ENVS4103 Global Environmental Perspectives
- ENVS4802 Environmental Solutions: Capstone Project OR ENVS 4900 Honours Project

Foundational courses (30 credits)

- 3 credits from ENGL1104 or ENGL1107 or ENGL1109
- 3 credits from ENGL1106 or ENGL1108
- 9 credits GEOL1105, GEOL1205, and GEOL2103 or GEOL3101 (GEOL2101 can be used for GEOL1105)
- 6 credits MATH1109 (or MATH1105) and MATH1211 (or MATH1206)
- 3 credits ENVI3131 or ENVI3138
- 3 credits from PHIL2107 or PHIL2221 or PHIL2223 or PHIL2104
- 3 credits in MIKM

*In Chemistry concentration MATH1105 and MATH1206 are recommended and will replace MATH1109 and MATH1211

*In the Mathematics concentration MATH1105 and MATH1206 are required and will replace MATH1109 and MATH1211

*In the Psychology concentration students can receive credit for MATH1109, MATH1211, PSYC2101 and PSYC2111 OR PSYC2101 and PSYC2111 can replace MATH1109 and MATH1211 if students take 6 additional MATH credits.

*In Biology concentration students can receive credit for MATH1211 and BIOL3101 OR replace MATH1211 with BIOL3101 and take 3 additional MATH credits

Science Concentration: pick one from BIOL, CHEM, MATH, PSYC

- Pick 10 courses (30 credits) in a science concentration with at least 4 courses (12 credits) at 3000/4000 level)
- Students have to make sure that prerequisites for upper courses are taken into account when choosing 1000 and 2000 level options.
- Within each subject area there may be specific required courses to continue in that area.
- The courses listed below are all recommended options, others can be used as well.

BIOLOGY CONCENTRATION

- 15 credits - BIOL1101, BIOL1601, BIOL2503, BIOL2504, BIOL3523
- 15 credits - choose any BIOL courses at 2000 level and up, with at least 3 courses at 3000 and 4000 level.

- MICR2101 can be used as BIOL credit.
- Recommended: BIOL2301, BIOL2411, BIOL3101, BIOL3331, BIOL3431, BIOL3451, BIOL3501, BIOL4501, BIOL4505, BIOL4241, BIOL4431, BIOL4453 (any others acceptable too)

CHEMISTRY CONCENTRATION

- 21 credits - CHEM1104, CHEM 1105, CHEM 2301, CHEM 2303, CHEM 2403, CHEM 2501, CHEM 3401 or CHEM 3403
- 9 credits - choose any three CHEM courses at 3000 and 4000 level.
- Recommended: CHEM 2401, CHEM 2404, CHEM 3301, CHEM 3501, CHEM 4301, CHEM 4403, CHEM 4501, CHEM 4401

MATHEMATICS CONCENTRATION

- Note: MATH1105 replaces MATH1109 and MATH1206 replaces MATH1211 in the Foundational Courses
- 18 credits - MATH1204, MATH2101, MATH2103, MATH2106, MATH2109, MATH2208
- 12 credits - choose any four MATH courses at 3000 and 4000 level

PSYCHOLOGY CONCENTRATION

- 15 credits - PSYC1101, PSYC1103, PSYC2XXX Environmental Psychology (NEW), PSYC2401, PSYC3304
- 15 credits - choose any PSYC courses at 2000 level and up, with at least 3 courses at 3000 and 4000 level.
- Recommended: PSYC2101, PSYC2111, PSYC2253, PSYC3304, PSYC3101, PSYC3401 (any others acceptable too)

Arts/Humanities/Social Science Concentration

- Pick 10 courses (30 credits) in an arts concentration with at least 4 courses (12 credits) at 3000/4000 level)
- Students have to make sure that prerequisites for upper courses are taken into account when choosing 1000 level options.

SCIENCE AND CITIZENSHIP (Anthropology and Sociology, Mi'kmaq Studies, Philosophy, Political Science)

- 6 to 12 credits at 1000 level
- 18 to 24 credits at 2000 level and above, c with at least 12 credits (4 courses) at 3000 and 4000 level
- Course choices from PHIL, MIKM, POLS, AN/S

NATURE, CULTURE, COMMUNICATION (Mi'kmaq Studies - linguistics, Communication, English, French, Sport and Physical Activity Leadership, Anthropology and Sociology)

- 6 to 12 credits at 1000 level
- 18 to 24 credits at 2000 level and above, c with at least 12 credits (4 courses) at 3000 and 4000 level
- Course choices from MIKM, COMM, ENGL, FRCH, SPAL, AN/S

ENVIRONMENTAL HUMANITIES (English, History, Mi'kmaq Studies, Humanities)

- 6 to 12 credits at 1000 level
- 18 to 24 credits at 2000 level and above, with at least 12 credits (4 courses) at 3000 and 4000 level
- Course choices from MIKM, ENGL, HIST, HUMA

Capstone project

- 6 credits
- Required if students do not enroll in Honours project

Environmental Assessment Certificate option

- 9 credits ENVI3131, ENVI3133, ENVI3138
- This option has 6 credits "extra to degree"

toc: Academic Program Requirements for Diploma programs

toc: Diploma Programs

toc: Diploma in Public Administration and Management

Diploma in Public Administration and Management

Power, Politics, Public Policy, Law, Public Administration, Public Sector Management.

The Diploma in Public Administration and Management introduces you to the nature and working of the public sector in Canada, what it does, how it relates to the private sector, and how and why public policies and public administration touch every part of Canadian life – social, economic, cultural, environmental, and political.

The Diploma is ideally-suited for students of Political Science with an interest in Canadian Politics and Government, Public Administration and Public Policy. But it's also designed to appeal to students interested in Business Administration, Management theory and practice, and Business-Government Relations.

This Diploma can be taken as a two-year, stand-alone endeavor, earning the successful student a CBU Diploma in Public Administration and Management credential. The Diploma, however, can also be taken as part of a Cape Breton University BA/BACS program (either 3 or 4-year degree programs) where the student Majors in Political Science. For students taking the Diploma as part of broader studies toward a CBU degree, the successful student will graduate with accreditation for both a Degree and the Diploma.

Admission Requirements

Admission into the program requires grade 12 academic/advanced English and four other grade 12 academic or advanced courses.

Students can apply for credit or advanced standing based on past educational and career accomplishments. They may also substitute up to six credits from the relevant courses in other disciplines.

Program Requirements

Key Features of the Diploma

- A 2-year 60 credit (20 course) program
- 12 3-credit required courses drawn from Political Science and Business studies
- 8 3-credit elective courses drawn from Political Science, Business studies and such disciplines as Sociology, Communication, History and Philosophy
- A Co-Op Work-Term option
- A special Certificate in Management elective option

Required Courses:

36 credits (12 3-credit courses) in total deriving from Political Science and Business.

Political Science:

POLS2118 Canadian Public Administration

POLS2119 Canadian Public Sector Management

POLS2144 Famous Trials 3

POLS3111 Canadian Public Administration; Financial Management, Personnel Administration

POLS3801 Directed Study in Political Science (standard option) 3 cr., or SASC 2989 BA/BACS Co-op Work Term (Co-op Option)

POLS2161 Making Numbers Count for Public Policy

POLS3106 The Canadian Charter of Rights

POLS3143 Canadian Government and Administrative Law

POLS21XX Qualitative Research Design
SASS4100 Governance and Power

Business:

MGMT1601 Introduction to Canadian Business
ECON1103 Principles of Macroeconomics

Elective Course Offerings:

24 credits (8 three-credit courses) from any of the following:

Political Science Electives:

POLS2116 Whose in Charge: Exposing Business-Government Relations in Canada
POLS3103 Local Government in Canada
POLS3104 Issues in Local Government in Canada
POLS3114 Restructuring in the Canadian Public Sector
POLS3115 Governments Making Decisions: An Introduction to Public Policy
POLS3121 Leaders and Leadership
POLS3141 Courts and Court Management

Business Electives:

ECON3101 Money and Banking I
ECON4101 Public Finance
MGMT2604 Organizational Behaviour
MGMT3605 Human Resource Management
MGMT3606 Leadership in Organizations
MGMT4603 Diversity Issues in Management
MRKT4305 Marketing for Non-Profit Organizations

Anthropology/Sociology Electives:

AN/S3701 Cultural Diplomacy
AN/S3201 World Problems
AN/S3204 Culture, Technology and Environment I
AN/S3205 Culture, Technology and Environment II
AN/S3XXX Applied Statistics

Communication Electives:

COMM3137 Gender and Communication
COMM3175 Canadian Communications Policy and Regulation
COMM4106 Political Communication

History Elective:

HIST2103 Canada in a Modern World

Mi'kmaq Studies Elective:

MIKM3126 L'nu Traditional Governance
MIKM3### L'nu Contemporary Governance

Philosophy Electives:

PHIL2107 Environment and Ethics
PHIL2115 Ethics and the Law

Special Elective Option - Certificate in Management

Students may opt to complete the Diploma in Public Administration and Management while also gaining a Certificate in Management (C.I.M.) offered through the Shannon School of Business. This option requires students to use all of their electives toward C.I.M. courses while also taking one additional 3-credit elective course bringing their total number of courses required for successful completion of the Diploma with the C.I.M. accreditation to 63 total credits. In this option there are both compulsory and elective courses, most all offered through the Shannon School of Business.

Required C.I.M Courses:

ACCT1203 Introduction to Accounting I
ACCT1204 Introduction to Accounting II
ACCT3208 Planning and Control
COMM1105 Public Communication
FINC2401 Business Finance I
LEGL2501 Business Law I
MGMT4605 Business Competitive Strategies

Elective C.I.M. courses (2 of 4 required)

ECON1101 Principles of Microeconomics
MGMT2604 Organizational Behaviour
MGSC3101 Information Systems for Management
MKRT1301 Introduction to Marketing

toc: Academic Program Requirements for Certificate programs

toc: Certificate Programs

Certificate Programs

toc: Certificate in Ethnomusicology

Certificate in Ethnomusicology

Students wishing to earn the Certificate in Ethnomusicology must take a minimum of twenty-four (24) credits (which may be used towards a degree), as follows:

MUSI1101	Experiencing Music (3 credits)
MUSI2101	Music and Culture (3 credits)
MUSI3101	Musics of the World (3 credits)
MUSI3801	Independent Study in Ethnomusicology (pending approval)
Electives	MUSI (12 credits minimum)

Students taking the Certificate in Ethnomusicology must consult annually with a faculty member in the department before choosing courses for the coming year.

toc: Certificate in Theatre Arts

Certificate in Theatre Arts

The Certificate in Theatre Arts came about as a logical step in CBU's long tradition of theatre production. All of the courses associated with the certificate are accredited and can be applied toward a Bachelor of Arts or another relevant degree at CBU. The program has been designed to serve undergraduate students at CBU, as well as members of the general public - teachers, adult educators, community theatre workers, arts administrators, cultural tourism officers - who want to develop their knowledge of theatre by studying in a university setting.

Complete 12 Credits

- ENGL 6 credits from ENGL1104, ENGL1106, ENGL1107, ENGL1108 or ENGL1109

- DRAM1101 Introduction to Play Production
- DRAM3901 Directed Study chosen in consultation with department chair (3 credits)

Complete 6 Credits

- ENGL2240 Shakespeare (6 cr)
- ENGL2606 Dramatic Literature by Women I (3 cr)
- ENGL2607 Dramatic Literature by Women II (3 cr)
- ENGL2642 A Survey of the Drama (6 cr)
- ENGL3122 Medieval Drama (3 cr)
- ENGL3241/ENGL3243 Renaissance Drama I & II (3 cr each)
- ENGL3301 Romantic Drama (3 cr)
- ENGL3303 Victorian Drama (3 cr)
- ENGL3320 Restoration and Eighteenth Century Drama (6 cr)
- ENGL3406 Canadian Drama (3)
- ENGL3407 Dramatizing Ireland: Plays from 1950 - Present (3 cr)
- ENGL3441 Modern American Drama (3 cr)
- ENGL4240 Studies in Shakespeare (6cr)

ENGL3701 can be used to satisfy 3 credits when the special topic is Dramatic Literature.

Complete 12 Credits (Choose four, all courses 3 credits)

- DRAM2101 An Introduction to Acting
- DRAM2105 Performing Cultures
- DRAM2201 Introduction to Theatre Directing
- DRAM2203 Theatre for Children
- DRAM2204 Improvisational Theatre
- DRAM2205 Applied Theatre
- DRAM2621 / ENGL2624 Playwriting I
- DRAM2623 / ENGL2625 Playwriting II
- DRAM3101 Movement for the Theatre
- DRAM3103 Voice for the Theatre
- DRAM3104 Stagecraft
- DRAM3105 Stage Management for the Theatre
- DRAM3106 Acting II
- DRAM3107 Collective Creation and Devising
- DRAM3108 Arts Management in the Creative Economy
- DRAM4100 Advanced Topics in Applied Theatre
- DRAM4101 Site Specific and Environmental Theatre

toc: Certificate in Heritage Studies

Certificate in Heritage Studies

The program is designed in response to increased opportunities for employment in the field of arts administration, heritage promotion, cultural programming and multiculturalism. The program will be of particular interest to people within the public and private sector involved in the hospitality industry, tourism education, small business and museums.

Students taking the Certificate in Heritage Studies must consult annually with a faculty member in the department of Heritage and Culture before choosing courses for the coming year.

To complete the certificate, 15 credits are required, as follows:

Group A – Atlantic Canada Regional Studies: FOLK2101, FOLK2104, FOLK2105 (MUSI2251),

FOLK2107 (MUSI2221), FOLK2108 (MUSI2223), FOLK2111 (MUSI2201), FOLK2113 (MUSI2203), FOLK2261 (MUSI2214), FOLK2403 (MUSI2301)

Group B – Folklore Themes and Genres: FOLK2103, FOLK2401, FOLK2404, FOLK2405, FOLK2406, FOLK2407, FOLK2501, FOLK2503, FOLK3201, FOLK3203, FOLK3400, FOLK3403, FOLK3511 (MUSI3511) MUSI3301, MUSI3601

1. FOLK1101 and FOLK1103
2. Three credits from Group A FOLK courses (Atlantic Canada Regional Studies): FOLK2403, FOLK2111, FOLK2113, FOLK2105, FOLK2106, FOLK2107, FOLK2108, FOLK2261
3. Three credits from Group B FOLK courses (Folklore Themes and Genres): FOLK2401, FOLK2103, FOLK2404, FOLK2501, FOLK2503, FOLK2405, FOLK2406, FOLK3403, FOLK3511, FOLK3201, FOLK3203, FOLK3400
4. FOLK4801

toc: Certificate in Public Administration

Certificate in Public Administration

This program is designed for people who are interested in working for the public and para-public sectors, community organizations, social agencies, and advocacy groups. It may also be of interest to private-sector employees who are in contact with government, and those interested in gaining knowledge about public administration and public policy. We are currently living through the greatest period of change in the history of Canada. As our legal, political, and economic systems are transformed, so are our laws and public policies.

	Elective Courses (9 credits)
	POLS2141 - 3 credits
General Certificate Compulsory Courses	POLS2143 - 3 credits
POLS1100 - 6 credits	POLS3103 - 3 credits
POLS2102 - 6 credits	POLS3104 - 3 credits
POLS2110 - 6 credits	POLS3111 - 3 credits
POLS2161 - 3 credits	POLS3143 - 3 credits
POLS3801 - 3 credits	POLS3114 - 3 credits
	POLS3115 - 3 credits
	POLS4100 - 6 credits

The Certificate in Public Administration also offers concentrations in Municipal Government, International Studies, Law and Policy Studies, First Nations Affairs as well as the general certificate. Each concentration option consists of 33 credits made up of combinations of Political Science and possibly Economics, Business Administration, Psychology, Sociology and Mi'kmaq Studies courses appropriate to the concentration option.

toc: Certificate in Public Administration - Concentration in Municipal Government

Certificate in Public Administration – Concentration in Municipal Government

Compulsory Courses

Elective Courses (9 credits)

POLS2102 - 6 credits
POLS2110 - 6 credits
POLS2161 - 3 credits
POLS3103 - 3 credits
POLS3104 - 3 credits
POLS3801 - 3 credits

POLS3121 - 3 credits
POLS3111 - 3 credits
POLS3114 - 3 credits
POLS4110 - 6 credits

toc: Certificate in Public Administration - Concentration in International Studies

Certificate in Public Administration – Concentration in International Studies

Compulsory Courses

POLS1100 - 6 credits
POLS2110 - 6 credits
POLS2161 - 3 credits
POLS3130 - 6 credits
POLS3801 - 3 credits

Elective Courses (9 credits)

POLS2131 - 3 credits
POLS2133 - 3 credits
POLS2134 - 3 credits
POLS2135 - 3 credits
POLS2136 - 3 credits
POLS3131 - 3 credits
POLS3133 - 3 credits
POLS3134 - 3 credits
POLS3135 - 3 credits
POLS3136 - 3 credits
POLS3123 - 3 credits
POLS3137 - 3 credits
POLS4130 - 6 credits

toc: Certificate in Public Administration - Concentration in Law and Policy Studies

Certificate in Public Administration – Concentration in Law and Policy Studies

Compulsory Courses

POLS1100 - 6 credits
POLS2110 - 6 credits
POLS2161 - 3 credits

Elective Courses (9 credits)

POLS2140 - 6 credits
POLS2115 - 3 credits
POLS2141 - 3 credits

	POLS2143 - 3 credits
	POLS2144 - 3 credits
	POLS3101 - 3 credits
POLS2104 - 3 credits	POLS3106 - 3 credits
POLS3115 - 3 credits	POLS3141 - 3 credits
POLS3801 - 3 credits	POLS3143 - 3 credits
	POLS3113 - 3 credits
	POLS3114 - 3 credits
	POLS3115 - 3 credits
	POLS4110 - 6 credits

toc: Certificate in Public Administration - Concentration in Aboriginal Affairs

Certificate in Public Administration – Concentration in Aboriginal Affairs

Compulsory Courses	Elective Courses (9 credits)
POLS1100 or POLS2102 - 6 credits	POLS2104 - 3 credits
POLS2110 - 6 credits	POLS3101 - 3 credits
POLS2112 - 6 credits	POLS3106 - 3 credits
POLS2161 - 3 credits	POLS3110 - 3 credits
POLS3801 - 3 credits	POLS4110 - 6 credits
	MIKM3110 - 6 credits

Course Substitution: with respect to all concentrations, students may substitute up to six elective credits from relevant and pertinent courses from other disciplines. See the co-ordinator of the certificate program for official approval of course substitutions

toc: Certificate in Social Research

Certificate in Social Research

This program teaches research methods for studying human social behaviour, social organization and culture. Students will get training and practice in a broad range of social research skills, which are much in demand in today's work world. Two groups will find it especially useful. First, students can earn the certificate while studying for a CBU degree. (The program fits easily into a BA, BACS or BBA program with no need to take extra courses.) Second, people already in a career can upgrade their research skills or prepare themselves for a career transition by doing this certificate as a stand-alone program. Detailed information is available from the Department of Anthropology & Sociology, through the department chair.

The certificate is composed of 30 credits:

- 6 credits - ANTH1101 or ANTH1103 or ANTH1104 and SOCO1301 Intro to Anthropology & Sociology
- 6 credits - AN/S2210 Qualitative Research
- 6 credits - AN/S2212 Quantitative Research
- 6 credits - Elective(s) in AN/S, ANTH, &/or SOCO above 1000-level
- 6 credits Research course(s) from among: Methods of Applied Social Research (AN/S3230), or Directed Study (AN/S3800, AN/S3801/AN/S3803, AN/S4811/AN/S4813, AN/S4801), or Senior Thesis in AN/S4900 or ANTH4900 or SOCO4900.

Note: For this certificate, the Directed Study or Thesis must centre on original empirical research conducted by the student.

This certificate signals a recipient's special competence in social-science research. Thus, the following special grade standards will apply:

- Average grade of 65% or more across the whole set of 30 credits that the student offers in fulfilment of the certification requirements
- A minimum grade of 65% in each of AN/S2210, AN/S2212 and the advanced research-oriented course(s) listed in item five, above
- A minimum grade of 70% in at least one of the two core methods courses (AN/S2210 or AN/S2212), or in the advanced research-oriented course(s) (item five, above).

toc: Certificate in Quantitative and Qualitative Psychology Research Methods

Certificate in Quantitative and Qualitative Psychology Research Methods

This certificate program provides a comprehensive opportunity to document learning about quantitative and qualitative research methods in psychology. These research methods can be applied in various fields such as business, nursing, education, and other disciplines. This certificate is only open to students currently in a degree program, and is awarded only in conjunction with a degree. Detailed information is available from the Department of Psychology, through the Department Chair.

Criteria to earn the Certificate:

1. Not a standalone certificate - may be earned as part of a 4-year BSc, BA or BACS Psychology.
2. Included in the degree program would be 18 credits core to the Certificate.
 - PSYC1101 Introduction to Psychology as a Natural Science (3)
 - PSYC1103 Introduction to Psychology as Social Science (3)
 - PSYC2101 Data Analysis (3)
 - PSYC2111 Research Methods in Psychology (3)
 - PSYC3101 Research Practicum in Psychology (3)
 - PSYC3103 Qualitative Methods in Psychology
 - Average grade of 75% or higher across PSYC2101, PSYC2111, PSYC3101 and PSYC3103
3. Original Research Requirement:

- a. Option 1 - PSYC4900 - Honours Seminar and Thesis (6cr)

OR

- b. Option2 - (with prior approval from the Psychology Department) PSYC4800 or PSYC4801, Directed Study, 3 or 6 credits.

OR

c. 120 hours minimum paid or volunteer research assistant in original research (must have prior approval of Psychology Department).

toc: Certificate in Bioethics and Health

Bioethics and Health Certificate (18 credits)

The Certificate in Bioethics and Health at CBU appears on your transcript as a formal recognition of your education and training in critical thinking and moral reasoning skills. Learn from qualified experts in the fields of philosophy, sport and activity leadership, anthropology/sociology, psychology, communications and more, to become a well-rounded student ready to engage in analysis and critique of health practices. By examining connections between health and spirituality, Indigenous health and community-based healing practices, our students will broaden their horizons, preparing you for a future in social work, journalism, healthcare administration and management, law and more.

This certificate is only open to students currently in a degree program, and is awarded only in conjunction with a degree. All CBU degree's are eligible for this option.

No separate application form is necessary; students can take eligible courses for the certificate anytime throughout their studies. Upon applying to graduate, students should indicate on their application that they intend to graduate with the Bioethics and Health Certificate in addition to their regular degree program and have completed at least 18 credits as defined below:

BIOETHICS: Choose at least 6 credits from the following (Maximum 9 credits):

PHIL2111 Biomedical Ethics

PHIL2125 Death and Dying: Dying and Values

PHIL2127 Death and Dying: Death, Healing and Ageing

ENGL1109 Reading and Writing about Science

SPAL3107 Prevention and Care of Athletic Injuries

HEALTH STUDIES: Choose at least 9 credits from the following (Maximum 12 credits):

PHIL2129 Spirituality and Health

PHIL2131 Religion and Health

NUTR1101 Community Nutrition

SPAL2107 Sport Nutrition

COMM3139 Issues in Health Communication

AN/S2207 Thinking about Health and Illness

AN/S2208 Practicing Well-being and Healing

PSYC2504 Aboriginal Psychology: Indigenous Mental Health and Healing

SPAL3108 Community Health and Physical Activity

Please contact the Dean of your program or your Academic Advisor if you have any questions.

toc: Departmental Regulations

toc: Anthropology

Anthropology

Students must consult the BA and BACS degree regulations that form minimum requirements for the relevant programs in all subjects. Listed below are special or additional requirements that must be met by students in Anthropology programs. (NOTE: ANTH and/or AN/S courses may be used to satisfy

minimum BA or BACS degree requirements in Anthropology programs.)

BA Concentration (30 Credits in Anthropology)

- 6 credits ANTH1104, SOCO1301, ANTH1103 (Introduction to Anthropology & Sociology) or equivalent
- 6 credits in Qualitative (AN/S2210) OR Quantitative (AN/S2212) research methods is not required but strongly recommended

BA/BACS Minor (24 Credits in Anthropology)

- 6 credits ANTH1103, ANTH1104, SOCO1301 (Introduction to Anthropology & Sociology) or equivalent

BACS Academic Field (24 Credits)

- 24 credits in one discipline with at least 6 credits at the 3000 or 4000 level

BA or BACS Major (48 Credits in Anthropology)

- 6 credits ANTH1103, ANTH1104, SOCO1301 (Introduction to Anthropology & Sociology) or equivalent
- 6 credits ANTH Theory (ANTH3100)
- 6 credits of Research Methods (AN/S2210 or AN/S2212)
- 6 credits in Physical, Archaeological &/or Linguistic Anthropology

BA or BACS Double Major (36 credits in Anthropology)

- 6 credits ANTH1103, ANTH1104, SOCO1301 Introduction to Anthropology & Sociology or equivalent
- 6 credits ANTH theory (ANTH3100)
- 6 credits Research Methods (AN/S2210 or AN/S2212)

BA or BACS Area Major (with Anthropology)

Please refer to BA or BACS program requirements regarding the development of an Area Major degree. Students interested in using Anthropology as one of the subjects in the Area Major should consult with the Department Chair.

BA or BACS Degree Honours (66 Credits in Anthropology)

Students must consult BA or BACS Honours requirements for entering into and graduating with an Honours degree. The 66 credits in an Anthropology Honours must include:

- 6 credits AN/S1200 (Introduction to Anthropology & Sociology) or equivalent
- 6 credits in Qualitative (AN/S2210) OR Quantitative (AN/S2212) research methods. Qualitative is recommended.
- 6 credits Anthropological Theory (ANTH3100)
- 12 credits in Physical, Archaeological &/or Linguistic Anthropology

toc: Anthropology/Sociology(Joint Programs)

Anthropology/Sociology (Joint Programs)

Students must consult the BA and BACS degree regulations that form minimum requirements for the relevant programs in all subjects. Listed below are special or additional requirements that must be met by students in Anthropology/Sociology programs. (NOTE: ANTH, SOC and/or AN/S courses may be used to satisfy minimum BA or BACS degree requirements in Anthropology/Sociology joint programs.)

BA Concentration (30 Credits in Anthropology/Sociology)

- 6 credits Introductory courses: ANTH1101 or ANTH1103 or ANTH1104 and SOCO1301
- 6 credits in Qualitative (AN/S2210) OR Quantitative (AN/S2212) research methods is not required but strongly recommended

BA/BACS Degree Minor (24 Credits in Anthropology/Sociology)

- 6 credits Introductory courses: ANTH1101 or ANTH1103 or ANTH1104 and SOCO1301

BACS Academic Field (24 Credits)

- 24 credits in one discipline with at least 6 credits at the 3000 or 4000 level

BA or BACS Major (48 Credits in Anthropology/Sociology)

- 6 credits Introductory courses: ANTH1101 or ANTH1103 or ANTH1104 and SOCO1301
- 6 credits of Theory (SOCO3300 OR ANTH3100)
- 6 credits of Research Methods (AN/S2210 OR AN/S2212)

BA or BACS Double Major (36 credits in Anthropology/Sociology)

- 6 credits Introductory courses: ANTH1101 or ANTH1103 or ANTH1104 and SOCO1301
- 6 credits Theory (ANTH3100 OR SOCO3300)
- 6 credits Research Methods (AN/S2210 OR AN/S2212)

toc: Applied Theatre

Bachelor of Arts Community Studies - Major in Applied Theatre

Core: 30 COMS credits (COMS1100, COMS2101, COMS2103, COMS2105, COMS3100, COMS3101, COMS4100) NOTE: COMS 2101, 3101 and 4100 must all focus on Applied Theatre.

Major: 48 credits in the major including

- at least 24 credits in DRAM including DRAM1101, DRAM2204, DRAM2205, DRAM3107, DRAM4100, NOT including COMM/DRAM/MUSI2105, DRAM/MUSI3108
- at least 12 credits of ENGL including 6 credits from amongst the following Dramatic Literature and Theory courses: ENGL 2240, ENGL 2606, ENGL2607, ENGL2642, COMM/DRAM/MUSI2105, COMM3151, ENGL3122, ENGL3241, ENGL3243, ENGL3301, ENGL3303, ENGL3320, ENGL3406, ENGL3407, ENGL3441, ENGL4240
- at least 6 credits in Arts Enterprise and Policy from amongst MGMT1603, MRKT1301, DRAM/MUSI3108, COMM3104/HIST3118, COMM3105/HIST3119, COMM3109, COMM3115, FOLK/MUSI3601, POLS3124, MRKT4305. Students wishing to propose other courses for this category are advised to speak with the program manager.
- at least 6 further credits chosen from DRAM, Dramatic Literature and Theory, and/or Arts Enterprise and Policy.

Of the 48 credits required in the Major subject, there shall be a maximum of 9 credits at the 1000 level and a minimum of 24 credits at the 3000 or 4000 level, of which at least 9 credits must be at the 4000 level. These requirements apply collectively to courses taken towards the major, regardless of discipline.

Minor: 24 credits in another academic discipline including a maximum of 9 credits at the 1000 level and a minimum of 6 credits at 3000 or 4000 level.

Electives: 18 credits

toc: Celtic Culture

Celtic Culture

Students must consult the BA and BACS degree regulations that form minimum requirements for the relevant programs in all subjects. Listed below are special or additional requirements that must also be met by students in Celtic Culture programs.

BA Concentration (30 credits in Celtic Culture)

- Students must choose from at least three of the four groups listed below
- Six (6) credits minimum in Gaelic language (any GAEL course)
- Minimum of 12 credits at the 3000 level or higher

BA/BACS Minor (24 credits in Celtic Culture)

- Students must choose from at least three of the four groups listed below
- Six (6) credits minimum in Gaelic language (any GAEL course)
- A minimum of 6cr at the 3000 level or higher

BACS Academic Field (24 Credits)

- 24 credits in one discipline with at least 6 credits at the 3000 or 4000 level

BA or BACS Area Major (with Celtic Culture)

Please refer to BA or BACS program requirements regarding the development of an Area Major degree. Students interested in using Celtic Culture as one of the subjects in the Area Major should consult with the Department Chair.

GROUP 1	GROUP 2	GROUP 3	GROUP 4
Folklore/ Music	History	Literature	Religion
MUSI2201 or FOLK2103	HIST2102	ENGL2461	RELS2104
Introduction to Gaelic Song	Celtic History	Celtic Revival Literature	inCeltic Religion I: Druidism
MUSI2203 or FOLK2113	HIST3101	ENGL2463	RELS2105
Introduction to Celtic Instrumental Music	Modern Ireland, 1603-1848	Modern Literature	CelticCeltic Religion II: Christianity
MUSI2251 or FOLK2105	HIST3103	ENGL4401	
Social History of Celtic Music & Dance	Modern Ireland, 1848-2000	Contemporary Literature	Irish
MUSI2221 or FOLK2107	HIST3122		
Early Canadian Celtic Music	Modern Scottish Highlands		
MUSI2223 or FOLK2108	HIST3130		
Contemporary Canadian Celtic Music	Viking World		
MUSI2911			
Cape Breton Fiddle			
MUSI2913			
Fiddle Music for Dancing			
MUSI2917 Cape Breton Fiddle Composers			
MUSI2915 Evolution of the Cape Breton Fiddle Style			

toc: Communication

Communication

Students must consult the BA and BACS degree regulations that form minimum requirements for the relevant programs in all subjects. Listed below are special or additional requirements that must also be met by students in Communication programs.

BA Concentration (30 credits in Communication)

There are no special or additional requirements.

BA/BACS Minor (24 credits in Communication)

There are no special or additional requirements.

BACS Academic Field (24 Credits)

- 24 credits in one discipline with at least 6 credits at the 3000 or 4000 level

BA or BACS Major (48 credits in Communication)

- COMM2101 (Research Concepts)

BA or BACS Double Major (36 credits in Communication)

- COMM2101 (Research Concepts)

BA or BACS Area Major (with Communication)

Please refer to BA or BACS program requirements regarding the development of an Area Major degree. Students interested in using Communication as one of the subjects in the Area Major should consult with the Department Chair.

BA or BACS Honours (66 credits in Communication)

Students must consult BA or BACS Honours requirements for entering into and graduating with an Honours degree. The 66 credits in a Communication Honours must include:

- COMM2101 (Research Concepts)

toc: Drama

Drama

Students must consult the BA and BACS degree regulations that form minimum requirements for the relevant programs in all subjects. Listed below are special or additional requirements that must also be met by students in Drama programs. PLEASE NOTE – Drama may be used as a Minor and/or for the Theatre Arts Certificate.

BA/BACS Minor (24 credits in Drama)

- DRAM1101 (Introduction to Play Production)

BACS Academic Field (24 Credits)

- 24 credits in one discipline with at least 6 credits at the 3000 or 4000 level

toc: English

English

Students must consult the BA and BACS degree regulations that form minimum requirements for the relevant programs in all subjects. Students choosing to do a directed study must consult with the Chair of the Department within the September registration deadlines. However, they are encouraged to consult with the Chair prior to the registration period. Listed below are special or additional requirements that must also be met by students in English programs.

BA Concentration (30 credits in English)

- No more than 6 credits at the 1000 level may be used in the Concentration
- ENGL2610
- At least 3 credits from Category 1 and at least 3 credits from Category 2.
- At least 6 credits at the 4000 level

BA/BACS Minor (24 credits in English)

- No more than 6 credits at the 1000 level may be used in the Minor.
- At least 6 credits at the 3000 level or above.

BACS Academic Field (24 Credits)

- 24 credits in one discipline with at least 6 credits at the 3000 or 4000 level

BA or BACS Major (48 credits in English)

- No more than 6 credits at the 1000 level may be used in the Major
- At least 6 credits from Category 1 and at least 6 credits from Category 2.
- ENGL2610
- At least 9 credits must be at the 4000 level.

BA or BACS Major (48 credits in English with Specialization in Dramatic Literature)

- No more than 6 credits at the 1000 level may be used in the Major
- At least 6 credits from Category 1 and at least 6 credits from Category 2.
- At least 24 credits in dramatic literature, including ENGL2240
- 9 credits must be at the 4000 level.

BA or BACS Double Major (36 credits in English)

- No more than 6 credits at the 1000 level may be used in the Major
- At least 6 credits from Category 1 and at least 6 credits from Category 2.
- ENGL2610
- At least 9 credits at the 4000 level

BA or BACS Area Major (with English)

Please refer to BA or BACS program requirements regarding the development of an Area Major degree. Students interested in using English as one of the subjects in the Area Major should consult with the Department Chair.

BA or BACS Honours (66 credits in English)

- No more than 6 credits at the 1000 level may be used in the Honours
- At least 12 credits from Category 1 and at least 12 credits from Category 2.
- At least 6 credits from Category 3.
- ENGL2610
- At least 15 credits at the 4000 level, including ENGL4900.
- Students in their graduating year must consult with the Chair about their Honours thesis as early as possible, and no later than the second week of September

Category 1: English Literature before 1800

ENGL2100 History of the English Language (6)

ENGL2200 Non-dramatic Literature of the 16th Century (6)

ENGL2240 Shakespeare (6)

ENGL2300 Eighteenth Century English Literature (6)

ENGL2306 Dramatic Literature by Women I (3)

ENGL3120 Middle English (6)

Category 2: English Literature after 1800

ENGL2301 Victorian Poetry (3)

ENGL2303 Romantic Poetry (3)

ENGL2400 Modern Irish & British Poetry (6)

ENGL2403 Literature & Globalization (3)

ENGL2404 Foundations of Postcolonial Literature (3)

ENGL2420 Modern English Canadian Poetry (6)

ENGL3122 Medieval Drama (6)

ENGL3200 Literature of the 17th Century (6)

ENGL3241 Renaissance Drama I (3)

ENGL3243 renaissance Drama II

ENGL2441 American Literature to 1865 (3)

ENGL2461 the Celtic Revival in Literature (3)

ENGL2463 Modern Celtic Literature (3)

ENGL2607 Dramatic Literature by Women II (3)

ENGL2685 Children's Literature in English 1860-1920 (3)

ENGL3320 Restoration and Eighteenth Century Drama (6)

ENGL4140 Introduction to Old English (6)

ENGL4200 Milton (6)

ENGL4240 Studies in Shakespeare (6)

ENGL4720 Special Topics in Renaissance Literature (6)

ENGL4721 Special Topics in Renaissance Literature (3)

ENGL3303 Victorian Drama (3)

ENGL3361 Romantic Fiction (3)

ENGL3363 Victorian Fiction (3)

ENGL3400 The Novel from Twentieth Century Britain and I

ENGL3401 Writing Modern America (3)

ENGL3403 Writing Contemporary America (3)

ENGL3404 Modern American Poetry (3)

ENGL3405 Contemporary American Poetry (3)

ENGL3406 Canadian Drama (3)

ENGL3407 Dramatizing Ireland: Plays from 1950-Present (3)

ENGL3420 The Modern Canadian Novel (6)

ENGL3421 The Canadian Short Story to 1960 (3)

ENGL3423 The Canadian Short Story from 1960 to the Present (3)

ENGL3424 North American Aboriginal Literature (3)

ENGL3441 Modern American Drama (3)

ENGL4362 Literature of Transition: British Literature 1870-1914 (3)

ENGL4401 Contemporary Irish Literature (3)

ENGL4403 Classical Mythology to Modern Literature (3)

ENGL4711 Selected Topics in American Literature (3)

Special topics courses are categorized on the basis of their subject matter and historical context

toc: Folklore

Folklore

Students must consult the BA and BACS degree regulations that form minimum requirements for the relevant programs in all subjects. Listed below are special or additional requirements that must also be met by students in Folklore programs.

BA Concentration (30 credits in Folklore)

- FOLK1101 and FOLK1103
- 6 credits at the 2000-level

BA/BACS Minor (24 credits in Folklore)

- FOLK1101 and FOLK1103
- 6 credits at the 2000-level

BACS Academic Field (24 Credits)

- 24 credits in one discipline with at least 6 credits at the 3000 or 4000 level

BA or BACS Major (48 credits in Folklore)

- FOLK1101 and FOLK1103

- 12 credits from Group A courses, listed below
- 12 credits from Group B courses listed below

BA or BACS Double Major (36 credits Folklore)

- FOLK1101 and FOLK1103
- 6 credits from Group A courses listed below
- 6 credits from Group B courses listed below

BA or BACS Area Major (with Folklore)

Please refer to BA or BACS program requirements regarding the development of an Area Major degree. Students interested in using Folklore as one of the subjects in the Area Major should consult with the Department Chair.

Group A	Group B
Regional Studies	Folklore Themes & Genres
FOLK2101 Cultural Heritage of Cape Breton	FOLK2103 Custom
FOLK2104 Atlantic Canadian Folklore	FOLK2109 Material Culture
FOLK2105 Social History of Celtic Music & Dance	FOLK2401 Oral Literature: Storytelling & Other Verbal Genres
FOLK2107 Early Canadian Celtic Music	FOLK2404 Urban Legend
FOLK2108 Contemporary Canadian Celtic Music	FOLK2406 Vernacular Architecture
FOLK2111 Introduction to Gaelic Song	FOLK2407 Food & Culture
FOLK2113 Introduction to Celtic Instrumental Music	FOLK2408 Folklife
FOLK2261 Celtic Dance	FOLK2501 Popular Music & Culture: 1890-1950
FOLK2403 Atlantic Canadian Folk Music	FOLK2503 Popular Music & Culture: 1950-Present
	FOLK3201 Folklore & Popular Culture
	FOLK3301 Revivals & Survivals: Studying Folk Song & Traditional Music
	FOLK3400 Canada's Cultural Landscape
	FOLK3401 Tradition & Culture
	FOLK3403 Gender in Traditional & Informal Culture
	FOLK3511 Popular Musics of the World
	FOLK3601 Cultural Tourism: Music, Heritage & The Exotic
	FOLK3603 Culture, Folk & Music Festivals: Identity on Display
	FOLK3608 Music & Protest
	MUSI3613 Music & Nationalism

toc: French

French

Students must consult the BA and BACS degree regulations that form minimum requirements for the relevant programs in all subjects. Listed below are special or additional requirements that must also be met by students in French programs.

BA Concentration (30 credits in French)

- FRNC1100 and FRNC1102 cannot be used in the French Concentration (only as BA electives)
- 9 credits in language acquisition courses* including FRNC2206
- 3 credits in literature* at the 2000 level
- 3 credits in culture* at the 2000 level
- No fewer than 6 credits in literature and culture* at the 3000 level
- No fewer than 6 credits in language and linguistics* at the 3000 level

*See chart below

BA/BACS Minor in French

A Minor consists of 24 credits in French at the 2000 level or above, with at least 6 credits at the 3000 level.

BACS Academic Field (24 Credits)

- 24 credits in one discipline with at least 6 credits at the 3000 or 4000 level

BA or BACS AREA MAJOR (with French)

Please refer to BA or BACS program requirements regarding the development of an Area Major degree. Students interested in using French as one of the subjects in the Area Major should consult with the Department Chair.

Language Acquisition/ Language/Linguistics	Literature/Culture
FRNC2101 Communication orale et écrite 1	FRNC2401 Panorama de la littérature français I
FRNC2103 Communication orale et écrite 2	FRNC2403 Panorama de la littérature français II
FRNC2108 Français intermédiaire 1	FRNC2301 Civilisation québécoise et acadienne I**
FRNC2109 Français intermédiaire 2	FRNC2303 Le Canada depuis 1914**
FRNC2204 Conversation	FRNC2324 Cinéma français et francophone**
FRNC2205 Rédaction	
FRNC2206 Grammaire intensive et communication	FRNC2305 Langue et culture acadienne
FRNC2207 Phonétique pratique et théorique	FRNC3105 Contes et légendes du Canada Français
FRNC3103 Stylistique comparée et traduction	FRNC3106 La chanson traditionnelle en Amérique française
FRNC3107 Linguistique française	FRNC3110 Le théâtre d'expression Française au Canada
FRNC3108 Conversation avancée	FRNC3405 L'écriture féminine canadienne francophone
FRNC3109 Rédaction, Vocabulaire et style	FRNC3441 Littérature québécoise
FRNC3301 Pragmatique et communication interculturelle	FRNC3443 Littérature acadienne
FRNC3303 Sociolinguistique française	

NOTE:

All 2000 level courses in the first column satisfy the language acquisition category.

** Courses which count towards the culture requirement are indicated with a double asterisk.

Some courses may satisfy more than one category.

toc: Gaelic

Gaelic

Students must consult the BA and BACS degree regulations that form minimum requirements for the relevant programs in all subjects. Listed below are special or additional requirements that must also be met by students in Gaelic Minor.

PLEASE NOTE: Gaelic is only available at CBU as a Minor program. Students can take Celtic Culture as a BA Concentration or as the BACS Academic subject.

BA/BACS Minor (24 credits in Gaelic language)

- 3 credits GAEL1101 (Gaelic Language I)
- 3 credits GAEL1103 (Gaelic Language II)
- 3 credits GAEL2101 (Advanced Gaelic Language I)
- 3 credits GAEL2103 (Advanced Gaelic Language II)
- 3 credits GAEL3101 (Advanced Gaelic Language III)

- 3 credits GAEL3103 (Advanced Gaelic Language IV)

Students wanting to Minor in Gaelic must consult the Chair of History & Culture and may have to take an exchange year at Sabhal Mor Ostaig, the Gaelic College in Scotland.

BACS Academic Field (24 Credits)

- 24 credits in one discipline with at least 6 credits at the 3000 or 4000 level

toc: Gender and Women's Studies Minor

Gender and Women's Studies

Students must consult the BA and BACS degree regulations that form minimum requirements for the relevant programs in all subjects. Listed below are special or additional requirements that must also be met by students in Communication programs. PLEASE NOTE: GWST is only available as a Minor program.

BA/BACS Minor (24 credits in Gender and Women's Studies)

BA Minor in Gender and Women's Studies provides students the opportunity to study the full range of human experience and arrangements of social organization from the perspectives of those whose participation has been traditionally distorted, omitted, neglected, or denied. Students will develop a deep appreciation for complexities of power and asymmetries in gender relations across time, class, and cultures.

Requirements: Students must take a minimum of twenty-four credits in either the four-year BA program or the four-year BACS program. GWST 1101 is a requirement for the Minor. There shall be a maximum of 9 credits at the 1000 level and a minimum of 6 credits at the 3000 or 4000 level. The following courses satisfy the requirements for a Minor in Gender and Women's Studies:

AN/S2200	Humankind: Nature & Development (6 credits)
AN/S2201	Families: A Cross-Cultural Tour (3 credits)
AN/S3210	Self and Other: Encounters, Traditions and Transformations [Cross-listed as MIKM 3110] (6 credits)
AN/S3220	Social & Cultural Construction of Gender (6 credits)
AN/S3232	Work and Women in Society (6 credits)
COMM3135	Family Communication (3 credits)
COMM3137	Gender & Communication (3 credits)
COMM3138	Women & Communication (3 credits)
COMM3141	Communication and Sexuality (3 credits)
ENGL2606	Dramatic Literature by Women I (3 credits)
ENGL2607	Dramatic Literature by Women II (3 credits)
ENGL2640	Literature Written by Women: The British Tradition (6 credits)
ENGL3504	Feminist Literary Criticism and Practice (3 credits)
ENGL4522	Feminist Literary Theory (6 credits)
FOLK2103	Custom (3 credits)
FOLK3403	Gender in Traditional and Informal Culture (3 credits)
GWST1101	Introduction to Gender and Women's Studies (3 credits)
HIST3133	Slavery and Freedom in the Americas (3 credits)
HIST4110	Witch Hunting and Popular Culture in Late Medieval and Early Modern Scotland (6 credits)
HIST4120	Women's History: The British North American Experience 1850-1950 (6 credits)
HUMA1107	Women in Western Civilization (3 credits)
MIKM3110	Self and Other: Encounters, Traditions and Transformations [Cross-listed as AN/S 3210] (6 credits)
PHIL2103	Philosophies of Love, Sex, and Friendship (3 credits)
PHIL2105	Feminist Philosophy (3 credits)
PHIL3154	Feminist Philosophical Theory (3 credits)
POLS2121	The Politics of Social Division: Race, Gender, and Class (3 credits)
PSYC3651	Human Sexuality and Sex Education (3 credits)
RELS2191	Women in the Western Religious Tradition (3 credits)
RELS2193	Women in the Eastern Religious Tradition (3 credits)
SOCO2306	Introduction to the Sociology of the Family (3 credits)

Please note that this list is revised from time to time, so consult with the Chair for additional information.

BACS Academic Field (24 Credits)

- 24 credits in one discipline with at least 6 credits at the 3000 or 4000 level

toc: History

History

Students must consult the BA and BACS degree regulations that form minimum requirements for the relevant programs in all subjects. Listed below are special or additional requirements that must also be met by students in History programs.

BA Concentration (30 credits in History)

- 6 credits in history at the 1000-level
- 12 credits in North American history – with at least 6 credits at the 3000-level
- 12 credits in European/World history – with at least 6 credits at the 3000-level

BA/BACS Minor (24 credits in History)

- 6 credits in history at the 1000-level
- 6 credits in North American history (2000- or 3000-level)
- 6 credits in European/World history (2000- or 3000-level)

BACS Academic Field (24 Credits)

- 24 credits in one discipline with at least 6 credits at the 3000 or 4000 level

BA or BACS Major (48 credits in History)

- 6 credits in history at the 1000-level
- 12 credits in North American history – with at least 6 credits at the 3000-level
- 12 credits in European/World history – with at least 6 credits at the 3000-level

BA or BACS Double Major: (36 credits in History)

- 6 credits in history at the 1000-level
- 12 credits in North American history – with at least 6 credits at the 3000-level
- 12 credits in European/World history – with at least 6 credits at the 3000-level

BA or BACS Area Major (with History)

Please refer to BA or BACS program requirements regarding the development of an Area Major degree. Students interested in using History as one of the subjects in the Area Major should consult with the Department Chair.

BA or BACS Honours (66 credits in History)

Students must consult BA or BACS Honours requirements for entering into and graduating with an Honours degree. The 66 credits in a History Honours program must include:

- 6 credits in history at the 1000-level
- 12 credits in North American history – with at least 6 credits at the 3000-level
- 12 credits in European/World history – with at least 6 credits at the 3000-level
- HIST3115 (Varieties of History) OR HIST3102 (Historical Archaeology) OR HIST3118 (Public History & Media) OR HIST3119 (Memory and History in the Public Sphere)
- Students in their graduating year must consult with the Chair about their Honours thesis as early as possible, and no later than the second week of September

In addition, students must complete six credits in one of the following:

- a language other than English OR
- any six-credit course in quantitative research methods OR

- any third- or fourth-year level course in another department in the School of Arts & Social Sciences or Department of Indigenous Studies, approved by the Chair of the Department of History & Culture

The following table defines which courses count as “North American” and which count as “European/World.”

European/World	North American	Either
HIST2100 The Medieval Experience	HIST2101 Origins of Canada	HIST2114 The History of Money
HIST2101 Celtic History	HIST2103 Canada in a Modern World	HIST3115 Varieties of History
HIST2106 The Reformations	HIST2104 Atlantic Canada before Confederation	HIST3102 Field School in Historical Archaeology
HIST2107 Europe in the Seventeenth Century	HIST2105 Atlantic Canada 1867-1990	HIST3117 History & Philosophy of Science
HIST2108 History of Christianity I	HIST2110 Mi'kmaq History	HIST3130 The Viking World
HIST2109 History of Christianity II	HIST2111 Vernacular Architecture	HIST3131 The Atlantic World During the Age of Sail
HIST2112 Survey of British History	HIST3104 Social History of Modern Canada I	HIST2130 History of Empire
HIST2113 Europe in Renaissance & Reformation	HIST3103 Social History of Modern Canada II	HIST3133 Slavery & Freedom in the Americas
HIST2120 Reformers, Revolutionaries and Tyrants	HIST3110 Aboriginal & Treaty Rights in the Canadian Constitution	HIST2118 First World War and 20th Century
HIST3101 Modern Ireland, 1603-1848	HIST3113 Cape Breton History, 1820-1910	HIST3118 Public History & Media
HIST3103 Modern Ireland, 1848-2000	HIST3114 Cape Breton History, 1910-2000	HIST3119 Memory and History in the Public Sphere
HIST3107 Tudor England	HIST3120 Race Relations in North America	
HIST3108 Stuart England	HIST3140 The Peopling of Canada and North America	
HIST3109 Scotland 1500-1603	HIST3150 Social History of Louisbourg	
HIST3111 Scotland 1603-1707	HIST2117 America: Freedom & Empire	
HIST3122 Modern Scottish Highlands	HIST2115 Canadian Military History	
HIST3142 Modern Britain		
HIST3201 Religious Persecution to Religious Liberty I (to 1600)		
HIST3203 Religious Persecution to Religious Liberty II (from 1600)		

toc: Mathematics

Mathematics

Students must consult the BA and BACS degree regulations that form minimum requirements for the relevant programs in all subjects. Please note, for Mathematics, a maximum of 12 credits are allowed at 1000 level in the subject field. Students completing a Minor, Concentration or Major in Mathematics may not use the following courses for credit in those areas of concentration: MATH0101, MATH1107, MATH1114, MATH1208, and MATH1215. Listed below are special or additional requirements that must also be met by students in Mathematics programs.

THREE-YEAR GENERAL DEGREE

Students in the three-year BA can specialize by acquiring 30 credits in Mathematics. Students must take MATH1105, MATH1206, MATH1204, twelve credits in Mathematics at the 3000 level or above and nine additional credits in Mathematics.

BA Concentration (30 Credits)

- MATH1204, MATH1206
- A minimum of 12 credits at 3000 or 4000 level.

BA/BACS Minor (24 Credits)

- MATH1204, MATH1206
- A minimum of 6 credits at 3000 or 4000 level

BACS Academic Field (24 Credits)

- 24 credits in one discipline with at least 6 credits at the 3000 or 4000 level

BA or BACS Major (48 Credits)

- MATH1116, MATH1204, MATH1206, MATH2101, MATH2106, MATH2109
- A minimum of 24 credits at 3000 or 4000 level, of which at least 9 credits are at 4000 level.
- MATH1109 and MATH1216 cannot be used

BA or BACS Double Major

- MATH1116, MATH1204, MATH1206, MATH2101, MATH2106, MATH2109
- A minimum of 18 credits at 3000 or 4000 level, of which at least 6 credits are at 4000 level.
- MATH1109 and MATH1216 cannot be used

BA or BACS Area Major:

Please refer to BA or BACS program requirements regarding the development of an Area Major degree. Students interested in using Mathematics as one of the subjects in the Area Major should consult with the Department Chair.

Limitations: None of MATH0101, MATH1114, MATH1215 (formerly 151), MATH1107 or MATH1208 may be used to satisfy any of the subject requirements listed above.

toc: Mi'kmaq Studies

Mi'kmaq Studies

Students must consult the BA and BACS degree regulations that form minimum requirements for the relevant programs in all subjects. Listed below are special or additional requirements that must also be met by students in Mi'kmaq Studies programs.

BA Concentration (30 credits Mi'kmaq Studies)

- MIKM1100 (6 credits)
- MIKM1102 (6 credits)
- 6 credits language/culture Mi'kmaq Studies at the 3000 / 4000 level*
- 6 credits governance/history
- MIKM4100 (6 credits)

*Students may not take 3000/4000 level courses without completing six credits at the 1000/2000 level.

BACS Academic Field (24 Credits)

- 24 credits in one discipline with at least 6 credits at the 3000 or 4000 level

BA/BACS Minor (24 credits Mi'kmaq Studies)

- MIKM1100

- 6 credits from MIKM2120, MIKM2220, MIKM3120* or MIKM2222
- 6 credits from MIKM1102, MIKM2140 or MIKM2114, MIKM3140*, MIKM3245*, MIKM3141* or MIKM3143*
- 6 additional credits

* Students may not take 3000/4000 level courses without completing 12 credits at the 1000/2000 level

BA or BACS Major Language and Culture (48 credits Mi'kmaq Studies)

- MIKM1100
- MIKM1102
- MIKM2113/MIKM2213 and MIKM2114/MIKM2215
- MIKM3140* and MIKM3141/MIKM3143*
- MIKM4800* or MIKM4900*
- 6 additional credits from 3000/4000 level

*Students may not take 3000/4000 level courses without completing 12 credits at the 1000/2000 level.

BA or BACS Major Governance (48 credits Mi'kmaq Studies)

- MIKM3120
- MIKM2220
- MIKM1102
- MIKM1100
- 24 additional credits at the 3000/4000* level of which 18 must be government/history and 6 must be language and culture

* Students may not take 3000/4000 level courses without completing 12 credits at the 1000/2000 level.

BA or BACS Double Major: First Major Mi'kmaw Governance (36 credits Mi'kmaq Studies)

- MIKM4100*
- MIKM3120*
- MIKM2220
- MIKM1102
- MIKM1100
- 6 credits from MIKM2113/MIKM2213 or MIKM2114/MIKM2215
- 6 additional credits from any 2000/3000/4000 level course

* Students may not take 3000/4000 level courses without completing 12 credits at the 1000/2000 level.

BA or BACS Double Major: First Major Mi'kmaw Language & Culture (36 credits Mi'kmaq Studies)

- MIKM1100
- MIKM1102
- 6 credits at the 3000* level (MIKM3630 plus 3 credits is recommended)
- MIKM3140*
- MIKM4140*
- MIKM4100*

* Students may not take 3000/4000 level courses without completing 12 credits at the 1000/2000 level.

BA or BACS Area Major (with Mi'kmaq Studies)

Please refer to BA or BACS program requirements regarding the development of an Area Major degree. Students interested in using Mi'kmaq Studies as one of the subjects in the Area Major should consult with the Department Chair. In the area of Mi'kmaw Governance, MIKM1100, MIKM2220, MIKM3120 and MIKM4500 are compulsory courses. In the area of Mi'kmaw Language and Culture, MIKM1100, MIKM1102, MIKM3140, MIKM4140 and MIKM4100 are compulsory subjects.

MI'KMAQ STUDIES COURSES as teachables for the B.Ed.

Mi'kmaq Studies courses are recognized as a teachable for application to Nova Scotia B.Ed. Programs.

toc: Music

Music

Students must consult the BA and BACS degree regulations that form minimum requirements for the relevant programs in all subjects. Listed below are special or additional requirements that must also be met by students in Music and Ethnomusicology programs.

PLEASE NOTE: Students wishing to Major must do so in the BACS Music Major. Music is unique at CBU in that it is the only Major program offered only through the BACS degree.

BA Concentration in Ethnomusicology (30 credits in Ethnomusicology)

- MUSI1101
- MUSI2101
- MUSI3101

BA/BACS Minor in Ethnomusicology (24 credits in Ethnomusicology)

- MUSI1101
- MUSI2101
- MUSI3101

4-Year BACS Music Major (120 credits)

- 30 credits of the core Community Studies courses
- 48 credits in music (15 compulsory credits, minimum of 12 credits at the 3000 level or higher)
- 24 credits Minor subject (Students may minor in Business. Regarding the choice of a Minor subject, consultation with a Music faculty advisor is required.)
- 18 credits Electives

BACS Core Community Studies courses (30 credits):

- COMS1100: Introduction to Community Studies (6 credits)
- COMS2100: Applied Research (6 credits)
- COMS3100: Community Intervention (6 credits)
- COMS2101 and COMS3101 Community Volunteer Work Placements (3 credits each) (music related placements)
- COMS4100: Self-Directed Senior Project (music related) (6 credits)

Music Courses (48 credits):

- 9 credits of Music Theory, including MUSI1101 (Theory courses listed below**)
- 6 credits Ethnomusicology/Music & Culture courses: MUSI2101 Music & Culture (3credits); MUSI3101 Musics of the World (3credits)
- 33 credits Music electives (minimum 12 credits at the 3000 or 4000 level)

** Music Theory Courses:

MUSI1101: Experiencing Music

MUSI2601: Music Theory for Popular Song

MUSI2603: Music Theory for Vernacular Music

MUSI3605: Advanced Theory & Analysis

toc: Philosophy

Philosophy

Students must consult the BA and BACS degree regulations that form minimum requirements for the relevant programs in all subjects. Listed below are special or additional requirements that must also be met by students in Philosophy programs.

BA Concentration (30 credits in Philosophy)

- PHIL1103 OR PHIL4120

BA/BACS Minor (24 Credits in Philosophy)

- PHIL1103 OR PHIL4120.

BACS Academic Field (24 Credits)

- 24 credits in one discipline with at least 6 credits at the 3000 or 4000 level

BA or BACS Major: 48 credits in Philosophy

- PHIL4120
- PHIL4110

BA or BACS Double Major (36 credits in Philosophy)

- PHIL1103 OR PHIL4120

BA or BACS Area Major (with Philosophy)

Please refer to BA or BACS program requirements regarding the development of an Area Major degree. Students interested in using Philosophy as one of the subjects in the Area Major should consult with the Department Chair.

toc: Political Science

Political Science

Students must consult the BA and BACS degree regulations that form minimum requirements for the relevant programs in all subjects. Listed below are special or additional requirements that must also be met by students in Political Science programs.

BA Concentration (30 credits in Political Science)

- 6 credits in Political Science at the 1000-level

BA/BACS Minor (24 credits in Political Science)

- 6 credits in Political Science at the 1000-level

BACS Academic Field (24 Credits)

- 24 credits in one discipline with at least 6 credits at the 3000 or 4000 level

BA or BACS Major (48 credits in Political Science)

- 6 credits in Political Science at the 1000-level
- At least one 3 credit course in each of the areas listed below:
 1. Research Methods
 2. Canadian Politics and Government
 3. Public Administration and Public Policy or Law and Policy
 4. International Relations and Comparative Politics
 5. Political Theory

BA or BACS Double Major (36 credits in Political Science)

- 6 credits in Political Science at the 1000-level
- At least one 3 credit course in each of the areas listed below:

1. Research Methods
2. Canadian Politics and Government
3. Public Administration and Public Policy or Law and Policy
4. International Relations and Comparative Politics
5. Political Theory

BA or BACS Area Major (with Political Science)

Please refer to BA or BACS program requirements regarding the development of an Area Major degree. Students interested in using Political Science as one of the subjects in the Area Major should consult with the Department Chair.

BA or BACS Honours (66 credits in Political Science)

Students must consult BA or BACS Honours requirements for entering into and graduating with an Honours degree.

The 66 required credits in Political Science must include:

- 6 credits in Political Science at the 1000-level
- At least one 3 credit course in each of the areas listed below:
 1. Research Methods
 2. Canadian Politics and Government
 3. Public Administration and Public Policy or Law and Policy
 4. International Relations and Comparative Politics
 5. Political Theory

Research Methodology

- POLS2160 Qualitative Research Methods in Social Science
 POLS2161 Understanding Political Science Research
 POLS2162 Quantitative Research Methods & Statistics in Social Science

Canadian Politics and Government

- POLS2102 The Basics of Canadian Politics and Government
 POLS2103 Parties, Elections & Democracy
 POLS2104 Human Rights in Canada
 POLS2105 Canadian Political Values
 POLS2112 Mi'kmaq Government
 POLS2116 Government-Business Relations in Canada
 POLS2121 The Politics of Social Division: Race, Gender and Class
 POLS2140 Law and Society
 POLS3101 Canadian Government and Constitution
 POLS3103 Local Government in Canada
 POLS3104 Issues in Canadian Local Government
 POLS3105 The Future of Work in Canada: The Challenges Facing Young Canadians
 POLS3106 The Charter of Rights and Civil Liberties
 POLS3107 Provincial Government
 POLS3110 Aboriginal and Treaty Rights in the Canadian Constitution
 POLS3143 Canadian Government and Administrative Law
 POLS3175 Canadian Communications Policy & Regulation
 POLS4100 Seminar in Canadian Politics
 POLS4110 Seminar in Public Policy

Public Administration and Public Policy

- POLS2110 Introduction to Canadian Public Administration
 POLS2111 The New Social Media: Politics and Communication in the 21st Century
 POLS2113 Public Opinion and the Media
 POLS2114 Scandals, Corruption and Lies: Power, Politics and Morality

POLS2115 Family Policies in Canada
 POLS2117 Children's Rights
 POLS2118 Canadian Public Administration
 POLS2119 Canadian Public Sector Management
 POLS2143 Issues in Criminal Justice and Public Policy
 POLS3111 Canadian Public Administration: Financial Management, Personal Administration
 POLS3114 Restructuring in the Canadian Public Sector
 POLS3115 Governments Making Decisions: An Introduction to Public Policy
 POLS4110 Seminar in Public Policy

Law and Policy

POLS2140 Law and Society
 POLS2141 Criminal Justice
 POLS2143 Issues in Criminal Justice and Public Policy
 POLS2144 Famous Trials: The Administration of Justice
 POLS3110 Aboriginal and Treaty Rights in the Canadian Constitution
 POLS3135 An Introduction to Cases in International Law
 POLS3141 Canadian Courts and Court Management
 POLS3143 Canadian Government and Administrative Law
 POLS3113 Issues in Children's Rights

Comparative Politics

POLS2120 Introduction to United States Government & Policy
 POLS2121 The Politics of Social Division: Race, Gender, and Class
 POLS2123 Contemporary US Foreign Policy
 POLS2134 South of the Border: Canadian, U.S. and Latin American Relations
 POLS2135 Rich Nations and Poor Nations: The Impact of Globalization
 POLS3121 Leaders and Leadership
 POLS3123 Revolution and Resistance
 POLS3124 Art and Politics
 POLS3134 An Introduction to International Law
 POLS3137 The Politics of Natural Resources

International Relations

POLS2131 Terrorism, Security Policy and New World (Dis)Order
 POLS2133 War and Peace
 POLS2134 South of the Border: Canadian, U.S., and Latin American Relations
 POLS2135 Rich Nations and Poor Nations: The Impact of Globalization
 POLS2136 International Politics of the Environment
 POLS3130 International Politics in a Changing World
 POLS3131 The United Nations: Origins, Structure, and Development
 POLS3133 The United Nations: Its Role in International Affairs
 POLS3136 Human Rights: International Dimensions
 POLS3137 The Politics of Natural Resources
 POLS3154 Music and Nationalism
 POLS3155 Music and Protest
 POLS4130 Seminar in International Relations

Political Thought and Philosophy

POLS2105 Canadian Political Values
 POLS3151 Introduction to Political Thought
 POLS3153 In Search of the Just Society

For more detailed information on course offering by Area of Study please visit <http://www.cbu.ca/academic-programs/program/school-of-arts-social-sciences/bachelor-of-arts/political-science/>

The department also offers a Diploma in Public Administration and Management, and several certificate options. Please see section in Calendar on Diploma and Certificates.

toc: Psychology

Psychology

Students must consult the BA and BACS degree regulations that form minimum requirements for the relevant programs in all subjects. Listed below are special or additional requirements that must also be met by students in Psychology programs.

BA Concentration (30 credits in Psychology)

- PSYC1101 and PSYC1103, plus 24 additional credits in Psychology

BA/BACS Minor (24 Credits in Psychology)

- PSYC1101 and PSYC1103, plus 18 additional credits in Psychology

BACS Academic Field (24 Credits)

- 24 credits in one discipline with at least 6 credits at the 3000 or 4000 level

BA or BACS Major: (48 credits in Psychology)

- PSYC1101 and PSYC1103 or 6 credits of Introduction to Psychology or equivalent
- PSYC2101
- PSYC2111
- PSYC3203
- PSYC3211
- PSYC4101 plus 6 additional credits at the 4000 level. In the event that the students do not have the directed study course, any 6 credits at the 4000 level are an acceptable substitute
- 21 additional credits at the 2000, 3000 or 4000 level

BA or BACS Double Major (36 credits in Psychology)

PSYC1101 and PSYC1103 or 6 credits of Introduction to Psychology or equivalent

- PSYC2101
- PSYC2111
- PSYC3203
- PSYC3211
- PSYC4101 plus 6 additional credits at the 4000 level. In the event that the students do not have the directed study course, any 6 credits at the 4000 level are acceptable substitute
- 9 additional credits at the 2000, 3000 or 4000 level

BA or BACS Area Major (with Psychology)

Please refer to BA or BACS program requirements regarding the development of an Area Major degree. Students interested in using Psychology as one of the subjects in the Area Major should consult with the Department Chair.

BA or BACS Honours (66 credits in Psychology)

- PSYC4900
- PSYC4101
- PSYC3211
- PSYC3203
- PSYC3101
- PSYC2111
- PSYC2101
- PSYC1101 and PSYC1103 or 6 credits of Introduction to Psychology or equivalent
- At least 6 credits of the remaining additional credits must be at the 4000 level. An average of 75% is required in courses in Psychology Honours in the last three years of the program

toc: Religious Studies

Religious Studies

Students must consult the BA and BACS degree regulations that form minimum requirements for the relevant programs in all subjects. Listed below are special or additional requirements that must also be met by students in Religious Studies programs.

BA Concentration (30 credits in Religious Studies)

- RELS1115 (Introduction to World Religions: Eastern Traditions)
- RELS1117 (Introduction to World Religions: Western Traditions)

BA/BACS Minor (24 credits in Religious Studies)

- RELS1115 (Introduction to World Religions: Eastern Traditions)
- RELS1117 (Introduction to World Religions: Western Traditions)

BACS Academic Field (24 Credits)

- 24 credits in one discipline with at least 6 credits at the 3000 or 4000 level

BA or BACS Area Major

Please refer to BA or BACS program requirements regarding the development of an Area Major degree. Students interested in using Religious Studies as one of the subjects in the Area Major should consult with the Department Chair.

toc: Sociology

Sociology

Students must consult the BA and BACS degree regulations that form minimum requirements for the relevant programs in all subjects. Listed below are special or additional requirements that must be met by students in Sociology programs. (NOTE: SOCO and/or AN/S courses may be used to satisfy minimum BA or BACS degree requirements in Sociology programs.)

BA Concentration (30 Credits in Sociology)

- 6 credits AN/S1200 (Introduction to Anthropology & Sociology) or equivalent
- 6 credits in Qualitative (AN/S2210) OR Quantitative (AN/S2212) research methods is not required but strongly recommended

BA/BACS Minor (24 Credits in Sociology)

- 6 credits AN/S1200 (Introduction to Anthropology and Sociology) or equivalent

BACS Academic Field (24 Credits)

- 24 credits in one discipline with at least 6 credits at the 3000 or 4000 level

BA or BACS Major in (48 Credits in Sociology)

- 6 credits AN/S1200 (Introduction to Anthropology and Sociology) or equivalent
- 6 credits Sociological Theory (SOCO3300)
- 6 credits of Research Methods (AN/S2210 or AN/S2212)

BA or BACS Double Major (36 credits in Sociology)

- 6 credits AN/S1200 (Introduction to Anthropology and Sociology) or equivalent
- 6 credits SOCO3300 (Survey of Sociological Theory)
- 6 credits Research Methods (AN/S2210 or AN/S2212)

BA or BA Areas Major (with Sociology)

Please refer to BA or BACS program requirements regarding the development of an Area Major degree. Students interested in using Sociology as one of the subjects in the Area Major should consult with the Department Chair.

BA or BACS Honours (66 Credits in Sociology)

Students must consult BA or BACS Honours requirements for entering into and graduating with an Honours degree. The 66 credits in an Sociology Honours must include:

- 6 credits AN/S1200 (Introduction to Anthropology & Sociology) or equivalent
- 6 credits Research Methods (AN/S2210 or AN/S2212)
- 6 credits SOCO3300 (Survey of Sociological Theory)

toc: Sport and Physical Activity Leadership

Sport and Physical Activity Leadership

Bachelor of Arts Community Studies Degree Requirements

Students must consult the BA and BACS degree regulations that form minimum requirements for the relevant programs in all subjects. Listed below are special or additional requirements that must be met by students in Sport and Physical Activity Leadership programs.

(Note: SPAL courses may only be used to satisfy Academic, Major and Honours requirements in the BACS program.)

Sport and Physical Activity Leadership– Three Year Option

- Core: 24 COMS credits (COMS1100, COMS2103, COMS2105, COMS2101, COMS3100, COMS3101)
- Academic Field: 24 SPAL credits (must include at least 6 credits at 3000 level or higher)
- Career Related Disciplines: (2 – 3 academic disciplines, SPAL courses may not be used)
- Electives : 18 credits, maximum of 6 credits of SPAL)

Sport and Physical Activity Leadership – Four year Major Requirements

- Core: 30 COMS credits (COMS1100, COMS2103, COMS2105, COMS2101, COMS3100, COMS3101, COMS4100)
- Major: 48 credits (SPAL), must include: SPAL1104, SPAL1105, SPAL2103, SPAL2104, SPAL2105, SPAL2109, 6 additional SPAL courses at 2000 level, 24 credits above the 2000 level with at least 9 credits at 4000 level.
- Minor: 24 credits in another academic discipline with at least 6 credits at 3000 level.
- Electives: 18 credits, must include 3 credits of English from the following: (ENGL1104, ENGL1107, ENGL1109)

Sport and Physical Activity Leadership – Four year Honours Requirements

- Core: 30 COMS credits (COMS1100, COMS2103, COMS2105, COMS2101, COMS3100, COMS3101, COMS4100)
- Honours: 66 credits (SPAL), must include: SPAL1104, SPAL1105, SPAL2103, SPAL2104, SPAL2105, SPAL2109, 12 additional SPAL courses at 2000 level, 36 credits above the 2000 level with at least 12 credits at 4000 level, including SPAL4900.
- Electives: 24 credits, must include 3 credits of English from the following: (ENGL1104, ENGL1107, ENGL1109)

NOTE:

To graduate with a major, students must achieve an average of at least 65% overall in the last 60 credits taken, and an average of at least 65% in the Major disciplines. In the Major subject, students can take a maximum of 9 credits at the 1000 level. They must also have a minimum of 24 credits at the 3000 or 4000 level, of which at least 9 credits must be at the 4000 level.

For more information on this program and options, please visit www.cbu.ca/spal

toc: Nutrition Health Minor

Nutrition Health Minor

Students will find this opportunity of interest as it encompasses nutrition and other health aspects, knowledge of which may be critical for employment in various health related fields. While students may choose a BACS SPAL major/Nutrition health minor, this minor may also be coupled with any other major at CBU.

Requirements - 24 credits

a) NUTR1101, NUTR2104*, NUTR2105, NUTR3701

b) any 12 credits of the following: (FOLK2407, AN/S2205, HATM1501, PUBH2106, PUBH3101, PUBH4104**, BIOL1103, BIOL3103 or any additional courses pre-approved by the Dean of Professional Studies as applicable to this area of study) of which at least 3 of these credits must be at the 3000 or 4000 level

*Please note that there are prerequisites for this course: BIOL1101, CHEM1104, CHEM1105 that may be taken as electives

**Please note that there is a prerequisite for this course: MICR2101 that may be taken as an elective

It is highly recommended, but not required, that students have taken grade 12 chemistry and biology. Students without grade 12 Chemistry must take 3 credits of a university mathematics course.

toc: Shannon School of Business

Shannon School of Business

Disclaimer

When changes are made in program structure, a student already registered may choose to satisfy the new program requirements or to complete the program as it was when the student began his/her program if this is still possible and reasonable.

Cape Breton University (CBU) does not accept any responsibility for loss or damage suffered or incurred by any student as a result of suspension or termination of services, courses, or classes caused by reason of strikes, lockouts, riots, weather, damage to University property and any other cause beyond the reasonable control of CBU.

Each student bears the responsibility of ensuring that his/her course choices satisfy both the overall program regulations and the individual department regulations for specializations, concentrations or majors.

George Karaphillis - Dean

Cape Breton University's Shannon School of Business offers flexible, innovative, business programming. The programs offered through the Shannon School of Business are:

- Master of Business Administration in Community Economic Development
- Bachelor of Business Administration
- Bachelor of Business Administration, Major in Accounting

- Bachelor of Business Administration, Major in Marketing
- Bachelor of Business Administration, Major in Supply Chain Management
- Bachelor of Hospitality and Tourism Management
- Bachelor of Emergency Management (3 year)
- Bachelor of Emergency Management, Health Emergency Major
- Bachelor of Technology Information (Through partnership with CIC)
- Post-Baccalaureate Diploma in Business Management
- Post-Baccalaureate Diploma in Supply Chain Management
- Post-Baccalaureate Diploma in Business Analytics (starting Sept 2019)
- Diploma in Emergency Management
- Certificate in Professional Development
- Certificate in Management & Administration (through Canadian Institute of Management)

In addition to degree programs, the Shannon School of Business offers courses which are recognized by a wide variety of professional societies and institutes.

The Shannon School of Business consists of two departments:

FINANCIAL AND INFORMATION MANAGEMENT

Derrick Hayes, Chair (Finance, Accounting, Information Technology, Management Science, Economics)

ORGANIZATIONAL MANAGEMENT

Theresa Corsano, Chair (Marketing, Management, Human Resources, Legal Studies, Hospitality and Tourism Management)

toc: Master of Business Administration in Community Economic Development

Master of Business Administration in Community Economic Development (CED)

Cape Breton University's Master of Business Administration (MBA) in Community Economic Development (CED) is an advanced program with community at its core; it resonates with people who wish to make a difference in their organizations and their communities. The MBA in CED curriculum, in addition to business subjects found in traditional MBA programs, focuses on economic development, leadership, strategy, governance, managing change and international management.

This program is designed for learners who aspire to play leadership roles in the public sector, in third sector organizations and in community-minded businesses. The MBA in CED aims to develop a new generation of leaders who have strong business management capabilities, well developed collaborative and interpersonal skills and deep knowledge of accountability, social responsibility and development issues and practices. Graduates are equipped with the knowledge and skills to make a difference in leading organizations in an increasingly global community and economy.

CBU's size and governance structure allows for the adaption of curriculum in a timely fashion to meet the evolving requirements of learners and organizations. The special appeal of the MBA in CED is evidenced by the demand for this program in different parts of Canada.

toc: Admission Requirements

Admission Requirements

To meet standard admission requirements for the MBA in CED, a Bachelor's Degree with a B average from a recognized university is required. The application will be processed when all of the following documents and fees have been received:

- a completed application form, with non-refundable application fee
- official transcripts for all previous post-secondary study
- a resume detailing employment experience, skills, community involvement and interests
- a 500-800 word statement on desire to enter the program

- three reference letters, preferably including one professional and one academic reference, each accompanied by a completed reference form
- satisfactory scores on the GMAT (minimum GMAT score of 500, with balanced verbal, quantitative, and analytical writing scores).
- satisfactory scores on the TOEFL/IELTS (for students whose mother tongue is not English), they must meet CBU's English Language Proficiency Requirements)
- satisfactory performance in an interview

Candidates who do not have an undergraduate degree, and show potential for success in graduate level study, may be admitted to the MBA in CED as non-traditional students. Extensive career and/or volunteer experience are expected. The candidates will be assessed individually in such areas as experience and performance in a number of education/training courses. Applicants must provide all documentation listed above and a 4-6 page essay outlining desire to enter the program.

Reference letters must be originals, sent directly by the referees. Photocopies of any of these documents will not be accepted.

Semester Format Delivery

The semester format delivery follows the September – April academic year on campus in Sydney.

Deadline for application is September 30, for a January start.

Deadline for application is May 31, for a September start.

Modular Format Delivery

The modular format appeals to working adults. It includes short, on-site residencies followed by deliverables paced over a 12 week period. This residential program enables learners to take four to five courses each July in Sydney and thus complete all program coursework over three July residencies (26 months).

Deadline for application is March 31, for a July start.

Note: Students can combine the semester format and modular format delivery to complete the program in 12 months.

Weekend Format Delivery (Off Campus)

Learners can opt to complete the program in 22-26 months by attending classes on alternate weekends in various cities across Canada, including Kingston, Toronto, Brandon, Saskatoon, Edmonton, Calgary, and Whitehorse. Courses are delivered in face-to-face classes by acclaimed faculty from across Canada. The weekend format appeals to working adults who wish to continue working while obtaining an MBA in their home city.

Please contact mba@cbu.ca regarding application deadlines and venues.

Schedules, Tuition and Fees

Program schedules, tuition and fees for off-campus delivery will differ from the program offered on-site at Cape Breton University's Sydney campus. For more information about the Master of Business Administration in Community Economic Development program at different locations, please visit <https://www.cbu.ca/academic-programs/program/mba-ced/> or contact the Director at mba@cbu.ca, or (902) 563-1981.

Advanced Standing

Requests from applicants to receive transfer credits for courses will be reviewed individually. Transcripts of courses, along with a detailed description of course content will be required.

Students can make a request to challenge course(s) and each request will be reviewed on its own merits.

Applicants can apply for advanced standing on the basis of career experience and training and each request is subject to a Prior Learning Assessment (PLA) review. 6000 level core courses are not eligible for consideration under the PLA process.

toc: Options in the Program

Options in the Program

Students pursuing an MBA in CED can specialize in any of the designated options listed below by:

- Completing their two elective courses within a designated option, and
- Incorporating their specialization topic into their Applied Research Project.

First Nations Option

MBAC6209	Land Claims, Self-government and Community Economic Development
MBAC6211	Dynamics of CED in Urban and Rural First Nations

International Business Option

MBAC6226	International Finance
MBAC6228	International Marketing

Marketing Option (2 Courses)

MBAC6231	Marketing Strategy
MBAC6228	International Marketing
MBAC6229	Sustainability Marketing
MBAC6205	Cultural Tourism Marketing

Peace-Building, Reconstruction And Good Governance Option

MBAC6215	Emergency Management
MBAC6217	Conflict Resolution and Community Reconstruction

Public Administration Option

MBAC6221	Public Policy
MBAC6223	Government, Business and Third Sector Relations

Strategic Leadership Option

MBAC6219	Social Dynamics of Leadership
MBAC6233	Change Management and Governance

Sustainability Option

MBAC6227	Environment, Energy, & the Economy: Strategies for Sustainable Futures
MBAC6229	Sustainability Marketing

Tourism Option

MBAC6206	Tourism Management & Planning
MBAC6205	Cultural Tourism Marketing

toc: MBA Preparation

MBA PREPARATION

Partnerships

In Alberta, Cape Breton University has an Agreement with Northern Alberta Institute of Technology (NAIT), to offer the MBA in CED on NAIT'S main campus.

In Alberta, this program is offered pursuant to the written approval of the Minister of Advanced Education

and Technology effective September 1, 2011, having undergone a quality assessment process and been found to meet the criteria established by the Minister. Nevertheless, prospective students are responsible for satisfying themselves that the program and the degree will be appropriate to their needs (for example, acceptable to potential employers, professional licensing bodies or other educational institutions).

In Ontario, Cape Breton University has an Agreement with Centennial College and St Lawrence College to offer the program in their respective Toronto and Kingston campuses. This program is offered in Ontario under the written consent of the Minister of Advanced Education and Skills Development effective May 7, 2014. Prospective students are responsible for satisfying themselves that the program and the degree will be appropriate to their needs.

In Saskatchewan, Cape Breton University has an agreement with Great Plains College to offer the MBA in CED on their Saskatoon-Warman campus.

In Manitoba, Cape Breton University has an agreement with Assiniboine Community College to deliver the MBA in CED on their Brandon campus.

Cape Breton University has partnerships with certain colleges that offer pertinent Pre-Master's programs and prepare international students to apply for admission to the MBA in CED, such as ICEAP (International Centre for English Academic Preparation).

toc: Partnerships

PARTNERSHIPS

In Alberta, Cape Breton University has an Agreement with Northern Alberta Institute of Technology (NAIT), to offer the MBA in CED on NAIT'S main campus.

In Alberta, this program is offered pursuant to the written approval of the Minister of Advanced Education and Technology effective September 1, 2011, having undergone a quality assessment process and been found to meet the criteria established by the Minister. Nevertheless, prospective students are responsible for satisfying themselves that the program and the degree will be appropriate to their needs (for example, acceptable to potential employers, professional licensing bodies or other educational institutions).

In Saskatchewan, Cape Breton University has an agreement with Great Plains College to offer the MBA in CED on their Saskatoon-Warman campus.

Cape Breton University has partnerships with certain colleges that offer pertinent Pre-Master's programs and prepare international students to apply for admission to the MBA in CED, such as ICEAP (International Centre for English Academic Preparation) and Dorset College.

toc: Program Requirements

COURSES REQUIRED TO COMPLETE THE DEGREE

Students must complete the required courses and earn 48 credits. The pass mark for MBA courses is 70%. Students will be required to maintain a 70% average to remain in the program.

The MBA in CED program consists of 16 courses, including the Applied Research Project.

Full-time students on campus should follow the course plan noted below, over three or four semesters. The MBA in CED follows a trimester format on campus whereby students can enroll in courses in the fall (September), winter (January), and the summer intensive (July) semesters. Students taking their courses off-campus as part of a cohort should take their courses as scheduled for their cohort. The MBA in CED alternate-weekend format is a paced program and courses are sequenced to meet requirements for pre-requisites.

Term One

MBAC5101	Business and Community Development I
MBAC5103	Fundamentals of Accounting
MBAC5104	Fundamentals of Marketing
MBAC5105	Organizational Behaviour
MBAC5107	Economic Geography

Term Two

MBAC6101	Business and Community Development II
MBAC6103	Fundamentals of Finance
MBAC6107	Comparative Development
MBAC6124	International Business
MBAC	Elective

Term Three

MBAC6121	Applied Research Methods
MBAC6106	Leadership
MBAC6118	Venture Analysis
MBAC6125	Strategic Management
MBAC	Elective

MBAC6801: The Applied Research Project: will meet highest academic standards and will approach a problem in business and/or community economic development in a holistic, multidisciplinary manner. Students complete the ARP under the supervision of a research advisor. There is no residency requirement for the research project, which may be completed off site. The ARP must be completed within twelve months.

toc: Post-Baccalaureate Diploma in Business Analytics

Post-Baccalaureate Diploma in Business Analytics

The Diploma in Business Analytics (Post-Baccalaureate) is aimed at students who have already obtained a bachelor's degree, who have strong math skills, and who are interested in pursuing concentrated studies in Business Analytics. Business analytics makes extensive use of data, statistical and quantitative analysis, and predictive modeling to help make decisions and to improve operations and sales. We expect graduates from the program to be competent in analysing data so that they can identify opportunities and help make decisions that improve future performance.

In the first year, students are introduced to statistical analysis, quantitative methods, and database approaches.

In the second year, students are exposed to advanced subject matter, like data mining techniques, data visualization, and predictive modeling.

In the last semester of the program, students have the opportunity to do a 12-week internship placement with an organization, or carry out a capstone project. In both cases, they will have the opportunity to apply their skills to an analytics project.

toc: Admission Requirements

To be admitted to the program, applicants must have:

1. Completed a Bachelor degree at an accredited university.
2. Obtained an overall undergraduate average of B or higher, and must have included two mathematics/statistics courses with B+ grades.

International students, whose mother tongue is non-English, must also meet CBU's English language proficiency requirements as detailed on CBU's website (IELTS 6.5, etc).

toc: Program Requirements

Students will be exposed to the following courses:

MGSC5108 Statistics
MGSC5118 Statistical Methods for Business Analytics
MGSC5106 Database Concepts
MGSC5111 Business Analytics Fundamentals
MGSC5126 Data Mining
MGSC5113 Quantitative Methods
MGSC5127 Data Visualization
MGSC5125 Predictive Modeling and Analytics
MRKT5312 Quantitative Marketing Research
BUSS 5989 Business Internship placement (6 credits), or MGSC5800 - Capstone Project (6 credits).

PLUS 2 elective courses from the following list:

LEGL5501 Business and Commercial Contracts
MATH2106 Mathematical Statistics
MGSC5101 Information Systems for Management
MGSC5114 Supply Chain Management
MGSC5121 Global Sourcing
MGSC5122 Data Security and Ethics
MGSC5128 Operations Management
MGSC5183 Statistics II

Students must achieve a minimum of 60% in all required courses and must receive a Satisfactory employer report on their internship placement in their last semester.

toc: Post Baccalaureate Diploma in Business Management

Post-Baccalaureate Diploma in Business Management

The Diploma in Business Management (Post-Baccalaureate) is designed for individuals with an arts, science, or engineering degree who would like to add a university post-baccalaureate credential while building a solid foundation in Business Knowledge and practices. The comprehensive curriculum of the Business Management Diploma gets non-business graduates up to speed on the essential aspects of Business, including accounting, marketing, finance, economics, and statistics. Through individual and group assignments, students will build their business management knowledge and gain first-hand insights into current business practices, trends and opportunities.

In the first year, students are introduced to fundamental business subjects- including management, accounting, economics, and public communications.

In the second year, students learn marketing, business finance, and strategy. At the last semester of the program, students have the opportunity to do a 12-week internship placement with an organization, to complete a capstone project: in both cases they have the opportunity to apply their skills to a project.

Graduates of the Business Management Diploma program qualify to apply for membership in the Canadian Institute of Management and in obtaining the CMP designation

toc: Admission Requirements

To be admitted to the program, applicants must have:

1. Completed a Bachelor degree at an accredited university.
2. Obtained an overall average of B or higher

International students, whose mother tongue is not English, must meet CBU's English language proficiency requirements, as detailed on CBU's website (IELTS 6.5 etc).

toc: Program Requirements

The structure of the diploma program will entail the successful completion of thirty-nine credits (twelve courses) in Business Management. The course requirements are as follows:

ACCT5201 Financial Accounting
ACCT5204 Managerial Accounting
COMM1105 Public Communication
ECON5103 Macroeconomics
FINC5401 Finance
LEGL5501 Business Law and Commercial Contracts
MGMT5601 Intro to Business
MGMT5615 Strategic Management
MRKT5301 Marketing
BUSS5989 Business Internship placement (6 cr) OR BUSS5800 Capstone Project (6 cr).

PLUS 2 elective courses from the following list:

MGMT5603 Introduction to Entrepreneurship
MGMT5604 Organizational Behavior
MGMT5605 Human Resource Management
MGSC5101 Information Systems for Management
MGSC5108 Statistics
MGSC5113 Quantitative Methods
MGSC5114 Supply Chain Management
MGSC5121 Global Sourcing
MGSC5128 Operations Management

Students must achieve a minimum of 60% in all required courses and must receive a satisfactory employer report on their internship placement in their last semester.

toc: Post Baccalaureate Diploma in Supply Chain Management

Post-Baccalaureate Diploma in Supply Chain Management

The Supply Chain Management Diploma program intends to build on the recent addition of the BBA, Supply Chain Management Major program by utilizing the university resources to deliver a focused Diploma program in this field of study. It is aimed at students who have already obtained a bachelor's degree, and who are interested in pursuing concentrated study in Supply Chain Management: to begin a career in the sector and perhaps pursue a professional accreditation in Supply Chain Management.

Supply Chain Management involves the management of materials, information, and finances as they move in a process from the manufacturer, through the supplier and retailer, and ultimately to the end user. Organizations are increasingly placing emphasis on improving their operations and supply chain performances as efficient management of transportation and logistics becomes vital to economic growth.

toc: Admission Requirements

Students will be eligible to apply for admission to the Supply Chain Management Diploma after having completed a bachelor's degree program, with a B average.

International students, whose mother tongue is not English, must meet CBU's English proficiency requirements, as detailed on CBU's website (IELTS 6.5 etc)

toc: Program Requirements

The structure of the diploma program will entail the successful completion of thirty-nine credits (twelve courses). The course requirements are as follows:

ACCT5203 Accounting
LEGL5501 Business Law and Commercial Contracts
MRKT5301 Marketing
MGSC5101 Information Systems for Management
MGSC5108 Statistics
MGSC5113 Quantitative Methods
MGSC5114 Supply Chain Management
MGSC5121 Global Sourcing
MGSC5123 Procurement & Supply Management
MGSC5124 Logistics & Transportation
MGSC5128 Operations Management
BUSS5989 Business Internship (6 cr) or BUSS5800- Capstone Project (6 cr).

Successful completion of the program requires students to achieve a minimum of 60% in each of the courses listed above and must receive a Satisfactory employer report on their internship placement in their last semester.

toc: Bachelor of Business Administration Major in Accounting

Bachelor of Business Administration Major in Accounting

The BBA Major in Accounting program requires the completion of the BBA core curriculum. Students are required to complete ACCT3206 and ACCT3207 and ACCT3208 plus 18 credits of accounting electives. In addition, at least six credits must be at the 4000 level.

Please see Program Requirements for details.

toc: Admission Requirements

Admission Requirements:

Students who have completed year one or year two of the BBA degree program may apply for admission to the BBA Major in Accounting. Students must be in good academic standing with a minimum 60% average.

toc: Program Requirements

Bachelor of Business Administration Accounting Major

Program and Course Requirements:

1. ACCT3206 and ACCT3207 and ACCT3208
2. 18 credits from ACCT2203, LEGL2501, ACCT4201, ACCT4205, ACCT4206, ACCT4207, ACCT4208, ACCT4209, ACCT4211.

3. An average of 65% must be maintained in years three and four of the program.
4. Minimum of 60% must be maintained on all accounting courses required for the accounting major.
5. Minimum of 6 credits at the 4000 level.

toc: Bachelor of Business Administration Major in Marketing

Bachelor of Business Administration Major in Marketing

The BBA Major in Marketing program requires the completion of the BBA core curriculum. Students are required to complete MRKT2301, MRKT4301, MRKT4303 and MRKT4308 plus 12 credits of marketing electives. In total, at least 12 credits must be at the 4000 level.

Please see Program Requirements for details.

toc: Admission Requirements

Admission Requirements:

Students who have completed year one or year two of the BBA degree program may apply for admission to the BBA Major in Marketing. Students must be in good academic standing with a minimum 60% average.

toc: Program Requirements

Bachelor of Business Administration Marketing Major

Program and Course Requirements:

1. MRKT2301, MRKT4301, MRKT4303 and MRKT4308
2. 12 credits from MRKT2303, MRKT3301, MRKT3304, MRKT3307, MRKT3124, MRKT3309, MRKT4605, MRKT4311, MRKT4309, MRKT4304, MRKT4305, MRKT4306, MRKT4314, MRKT4307, MRKT4313, HATM3508
3. An average of 65% must be maintained in years three and four of the program.
4. Minimum of 60% must be maintained on all marketing courses required for the marketing major.
5. Minimum of 12 credits at the 4000 level.

toc: Bachelor of Business Administration Major in Supply Chain Management

Bachelor of Business Administration Major in Supply Chain Management

The BBA Major in Supply Chain Management program requires the completion of the BBA core curriculum. Students are required to complete MGSC2103, MGSC2104, MGSC3103, MGSC3104, MGSC3108 and MGSC4101 plus 6 credits from: MGMT3607, MRKT3303, MRKT3304, ACCT3208, LEGL2501.

Please see Program Requirements for details.

toc: Admission Requirements

Admission Requirements:

Students who have completed year one or year two of the BBA degree program may apply for admission to the BBA Major in Supply Chain Management. Students must be in good academic standing with a minimum 60% average.

toc: Academic Program Requirements

Bachelor of Business Administration Major in Supply Chain Management

Program Requirements:

BBA Major in Supply Chain Management requires the completion of the BBA core curriculum.

Students are required to complete MGSC2103 MGSC2104 MGSC3103, MGSC3104, MGSC3108 and MGSC4101 plus 6 credits from: MGMT3607, MRKT3303, MRKT3304, ACCT3208, LEGL2501.

Additional requirements: Minimum of 60% in above courses, minimum 65% average

in years 3 and 4.

toc: Bachelor of Business Administration Concentrations

Bachelor of Business Administration - Concentrations

The open elective concept provides sufficient flexibility for students to obtain a concentration in the business disciplines. This concept can be used to obtain concentrations by choosing business or other electives from the specific areas in addition to the required BBA core courses.

Economics (18 credits):

Required Courses: ECON2105, ECON2101 & ECON2103

Plus 9 credits from ECON3101, ECON3105, ECON3107, ECON3108, ECON4101, ECON4103, ECON4105, FINC4401, FINC4408

Entrepreneurship (15 credits) :

Students wishing to pursue their own business venture can obtain a concentration in Entrepreneurship by completing our Entrepreneurship Module in the fourth year of the BBA program. The Entrepreneurship Module is a 15 credit program which includes mentoring from professors and our Entrepreneur-in-Residence, pre-launch support, access to grant and seed money, and participation in a global simulation venture training. Upon successful completion of their concentration, graduates should have a well developed business plan and a realistic assessment of their business idea.

Finance (18 credits):

Required Courses: FINC3403 & FINC3401

Plus 12 credits from: FINC2405, FINC3404, FINC4401, FINC4404, FINC4403, FINC4406, FINC4408, ECON3101, ECON3103, ECON3105

Information Technology (18 credits):

*ITEC Courses are not offered on campus at CBU

6 credits from MATH1116, ITEC1501, MATH1217, ITEC2503, ITEC3503, ITEC3507, ITEC4505

Plus 12 credits from ITEC1503, ITEC1505, ITEC1506, ITEC2503, ITEC2504, ITEC2505, ITEC3505, ITEC3506, ITEC3508, ITEC4503, ITEC4504, ITEC4506, ITEC4507, ITEC4508, ITEC4509 or ITEC4513.

Legal Studies (18 credits):

Required Courses: LEGL2501, LEGL2503, LEGL3501, LEGL3505 & LEGL3503

Plus 3 credits from: LEGL3504, LEGL4501, LEGL4503, PUBH2103, PUBH3103, PUBH4105, ENVI2163, POLS2104, POLS3134

Human Resources (18 credits):

Required Courses: MGMT3605 & MGMT3604

Plus 12 credits from: MGMT2603, MGMT3606, MGMT3601, MGMT4603, MGMT4604, MGMT4609, LEGL3503, LEGL3504.

Tourism Marketing and Management (27 credits):

Marketing Management Component (total of 9 credits):

MRKT2301 & MGMT3604 - Plus 3 credits from MRKT2303 or MRKT4307

Tourism Component (total of 9 credits):

MGMT4606, HATM1506 Plus elective

Hospitality Component (total of 9 credits):

HATM3505, HATM1501 & HATM1503

toc: Bachelor of Business Administration (BBA)

Bachelor of Business Administration (BBA)

The Bachelor of Business Administration degree is a four-year program (when completed on a full-time basis), in which students may pursue a concentration within different disciplines. The BBA degree program consists of a combination of core courses (60 credits) and elective courses (60 credits).

The BBA program allows students to develop an innovative program, which includes the core curriculum and elective courses and, if they choose, a business concentration. The degree may be completed through full-time or part-time study. A co-operative education internship program is also available which is an opportunity to earn income and gain relevant work experience while completing the BBA degree requirements.

The Bachelor of Business Administration program is intended to prepare successful candidates for self-employment and careers in private and public enterprise, cooperatives, government service and for graduate study. One of the primary objectives of the BBA program is to provide a foundation in both business and the traditional liberal arts area.

toc: Admission Requirements

Admission Requirements

Required: Five Grade 12 advanced or academic courses including English and Mathematics or Pre-calculus Mathematics, with an overall average of at least 65%. Students may substitute one open course for one advanced or academic course, except where a particular course is specified.

toc: Program Requirements

BBA Program

Students are required to complete 120 credits. This would include 60 required credits and 60 elective credits with a minimum 15 credits in non-business courses as follows:

Year One

MGMT1601	Introduction to Business
MRKT1301	Intro to Marketing
ACCT1203/ACCT1204	Intro to Accounting I and II
MGSC1108/MGSC1109	Intro to Statistic/ Calculus for Business
ECON1101/ECON1103	Principles of Micro/Macro Economics
Communication	(3 credits)
Elective	(3 credits)

Year Two

MGSC2101	Computers in Business
MGMT2604/MGMT2605	Organizational Behaviour/ Human Resource Management
FINC2401/FINC2403	Business Finance I and II
Electives	(9 credits from ACCT/FINC/MGMT/MGSC/MRKT and 6 credits electives)

Year Three

MGMT3603	Integrative Entrepreneurship
MGSC3101	Information Management Systems
Electives	(24 credits)

Year Four

MGMT4605	Business Competitive Strategies
Electives	(27 credits)

See the course description section of this Calendar for more information. A degree worksheet is available from the Dean's office.

toc: Bachelor of Business Administration with Co-op Option

Bachelor of Business Administration (BBA) with Co-op Option

The Bachelor of Business Administration degree is a four-year program (when completed on a full-time basis), in which students may pursue a concentration within different disciplines. The BBA degree program consists of a combination of core courses (60 credits) and elective courses (60 credits).

The BBA program allows students to develop an innovative program, which includes the core curriculum and elective courses and, if they choose, a business concentration. The degree may be completed through full-time or part-time study. A co-operative education internship program is also available which is an opportunity to earn income and gain relevant work experience while completing the BBA degree requirements. Students enrolled in BBA program are eligible to transfer into the BBA Co-op Option if they meet eligibility requirements of 30 credits completed and an overall average of 70%. Students must complete up to three co-op work terms which will count toward the elective credits in the existing program.

The Bachelor of Business Administration program is intended to prepare successful candidates for self-employment and careers in private and public enterprise, cooperatives, government service and for graduate study. One of the primary objectives of the BBA program is to provide a foundation in both business and the traditional liberal arts area.

toc: Bachelor of Arts Community Studies/Bachelor of Business Administration

Bachelor of Arts Community Studies/Bachelor of Business Administration

CBU offers students an opportunity to obtain both their BACS and BBA degrees in four years. At the end of three successful years, students will receive a Bachelor of Arts Community Studies degree with a career concentration in Business. After the fourth successful year, they will receive a Bachelor of Business Administration.

toc: Bachelor of Hospitality and Tourism Management

Bachelor of Hospitality and Tourism Management

The Bachelor of Hospitality and Tourism Management program is a three-year general degree offered through the Shannon School of Business that encompasses courses spread over the Hospitality, Tourism, Business/Management, Humanities, Social Science and English academic disciplines.

The BHTM includes two required Internships that represent 540 hours of work. This is approximately 16 weeks at 35 hours per week. Placements can be taken in any semester, but May and September are the most likely times to engage in industry.

Students are responsible to secure their own internship opportunities, but must ensure that the position satisfies the requirements of the internship. Students must meet with the Student Placement Officer, and general sessions are held to provide students the information they need to be successful. It should be noted that many employers contact our program to recruit employees for their position(s).

toc: Admission Requirements

Admission Requirements

Required: Five Grade 12 advanced or academic courses including English and Mathematics with a minimum average requirement of 65%.

Students may substitute one open course for one advanced or academic course, except where a particular course is specified.

toc: Program Requirements

Bachelor of Hospitality and Tourism Management (BHTM) –

Program Revised November 2010

Year One: Fall Term (September- December)

HATM1501	Introduction to Food Theory and Nutrition
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HATM1504	Tourism in Canada
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ACCT1203	Intro to Accounting I
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*Non-Discipline Elective (3 credits)

English	(3 credits)
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Winter Term (January-April)

HATM1503	Restaurant Operation and Service
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HATM1506	Intro to Tourism Marketing
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ACCT1204 Intro to Accounting II

Communication (3 credits)

*Non-Discipline Elective (3 credits)

Spring/Summer

HATM2999 Industry Internship I

Year Two: Fall Term (September-December)

HATM3505 Tourism Law

HATM3504 Resort/Facilities Management and Maintenance

MGMT2604 Intro to Organizational Behaviour

MATH1215 / MGSC1108 Descriptive and Basic Inferential Statistics/ Statistics

*Non-Discipline Elective (3 credits)

Winter Term (January-April)

HATM3503 Meetings and Convention Management

MGMT2605 Human Resource Management

MGMT3607 International Business

ECON1101 Principles of Microeconomics

*Non-Discipline Elective (3 credits)

Spring/Summer

HATM3999 Hospitality/Tourism Internship II

Year Three: Fall Term (September- December)

HATM3125 Tourism Operations Planning

HATM3509 International Tourism Management

MGMT4606 Tourism Management I

Open Elective (3 credits)

*Non-Discipline Elective (3 credits)

Winter Term (January-April)

MGMT4607 Tourism Strategy

HATM3508 Destination Management and Marketing

Open Elective (3 credits)

Open Elective (3 credits)

*Non-Discipline Elective (3 credits)

* 9 credits of electives must be at the 2000 level or higher.

toc: Bachelor of Emergency Management

Bachelor of Emergency Management (90 credits)

Emergency Management is an exciting and dynamic discipline committed to developing, implementing, maintaining and evaluating strategic management processes to prevent and mitigate, prepare for, respond to and recover from natural, technological or human-caused incidents. It's about understanding these events and contributing to safer, and more resilient and sustainable communities.

This program will be of interest to individuals who wish to expand their emergency management competencies while having the option to study either part-time or full-time, and either entirely on-line or by attending classes on-campus.

toc: Program Admission

Admission Requirements

Five Grade 12 advanced or academic courses including English and Mathematics with a minimum average requirement of 65%.

Cape Breton University's policy with respect to Transfer of Credit and/or Prior Learning Assessment (PLA) will apply on a case by case basis.

toc: Program Requirements

Program Requirements

Students are required to achieve a passing grade of 50% in all courses with an overall average of 65% to be eligible to graduate with this credential.

YEAR ONE

COMM1105 Introduction to Public Communication
EMGT1101 Keystone to Emergency Management
EMGT1103 Taxonomy and Anatomy of Hazards
EMGT2201 Cultivating Emergency Management Alliances
EMGT2203 From Risk to Resilience
LEGL2501 Business Law I
MGMT1601 Introduction to Business
MRKT1301 Introduction to Marketing
Elective x 2

YEAR TWO

ACCT1203 Introduction to Accounting I
COMM2101 Research Concepts
COMM3109 Strategic Corporate Communication
EMGT2104 Effective Response
EMGT2304 Technological Tools in Emergency Management
EMGT3204 Recovery: Building the New Normal
EMGT3205 Managing Management
EMGT3301 Communicating Emergency Management
MGMT2604 Organizational Behaviour I
MGMT2605 Human Resource Management

YEAR THREE

COMM3117 Communication and Community
EMGT3303 Business Continuity Management
EMGT4105 Leadership: From Theory to Practice
EMGT4305 The International Context of Emergency Management
EMGT4989 Emergency Management Practicum I and II

toc: Bachelor of Emergency Management (Major in Health Emergency Management)

Bachelor of Emergency Management (Major in Health Emergency Management) (120 credits)

Emergency Management is an exciting and dynamic discipline committed to developing, implementing, maintaining and evaluating strategic management processes to prevent and mitigate, prepare for, respond to and recover from natural, technological or human-caused incidents. It's about understanding these events and contributing to safer, and more resilient and sustainable communities.

This program will be of interest to individuals who wish to expand their competencies in health emergency management while having the option to study either part-time or full-time, and either entirely on-line or by attending classes on-campus.

toc: Admission Requirements

Admission Requirements

Five Grade 12 advanced or academic courses including English and Mathematics with a minimum average requirement of 65%.

Cape Breton University's policy with respect to Transfer of Credit and/or Prior Learning Assessment (PLA) will apply on a case by case basis.

toc: Program Requirements

Program Requirements

Students are required to achieve a passing grade of 50% in all courses with an overall average of 65% to be eligible to graduate with this credential.

YEAR ONE

COMM1105 Introduction to Public Communication
EMGT1101 Keystone to Emergency Management
EMGT1103 Taxonomy and Anatomy of Hazards
EMGT2201 Cultivating Emergency Management Alliances
EMGT2203 From Risk to Resilience
LEGL2501 Business Law I
MGMT1601 Introduction to Business
MRKT1301 Introduction to Marketing
Elective x 2

YEAR TWO

ACCT1203 Introduction to Accounting I
COMM2101 Research Concepts
COMM3109 Strategic Corporate Communication
EMGT2104 Effective Response
EMGT2304 Technological Tools in Emergency Management
EMGT3204 Recovery: Building the New Normal
EMGT3205 Managing Management

EMGT3301 Communicating Emergency Management
MGMT2604 Organizational Behaviour I
MGMT2605 Human Resource Management

YEAR THREE

COMM3117 Communication and Community
EMGT3303 Business Continuity Management
EMGT4105 Leadership: From Theory to Practice
EMGT4305 The International Context of Emergency Management
EMGT4989 Emergency Management Practicum I and II
MGMT4605 Business Competitive Strategies
POLS3104 Issues in Canadian Local Government
Elective x 2

YEAR FOUR

EMGT4106 Health Emergency Management Globally
EMGT4206 Health Emergency Management in Canada
EMGT4999 Independent Study in Emergency Management
MGMT4205 Social Leadership
MGMT4217 Conflict Resolution and Community Reconstruction
MGMT4233 Change Management and Governance
MRKT4309 Social Media Marketing
POLS3115 Governments Making Decision: An Introduction to Public Policy
PUBH4101 Health Risk Assessment
PUBH4107 Quality and Environmental Project Management

toc: Bachelor of Technology Information

Bachelor of Technology Information

The Bachelor of Technology Information (BTI) degree is a four-year, co-operative education program consisting of 40 three credit courses (120 credits) and three optional work placements.

The BTI degree equips its graduates with the essential information technology (IT) skills necessary for them to be both adaptable and innovative in the dynamic business world of IT. Courses are taught in both classroom and computer laboratory environments and are continually updated to reflect current business and industry standards. The BTI degree prepares graduates for careers as systems analysts, project leaders, programmers, consultants, network administrators and application support personnel.

The BTI degree program is now offered only in Egypt through CBU's partnership with Canadian International College (CIC).

toc: Admission Requirements

Admission Requirements

Required: Five Grade 12 advanced or academic courses including English and Mathematics or Pre-calculus Mathematics, with an overall average of at least *65%.

toc: BTI (INFORMATION MANAGEMENT)

BTI (Information Management Stream)

In addition to the year one through year three requirements listed above, students in the BTI (Information Management) also require the following courses to complete the degree:

ITEC4515	Information Technology Documentation
ITEC4505	E-Commerce Technologies
ITEC4509	Current Issues in Information Technology
ITEC4511	Systems Implementation Project
ITEC4506	Data Warehousing
ITEC4507	Software Engineering Tools
MGMT3603	Integrative Entrepreneurship (or close cognate)
MGSC3101	Management Information Systems
Discipline Elective	
Discipline Elective	

toc: BTI (NETWORK MANAGEMENT)

BTI (Network Management Stream)

In addition to the year one through year three requirements listed above, students in the BTI (Network Management) also require the following courses to complete the degree:

ITEC4515	Information Technology Documentation
ITEC4509	Current Issues in Information Technology
ITEC4503	Internet Administration
ITEC4504	Advanced TCP/IP
ITEC4513	Server Technologies
ITEC4508	WAN Technologies
MGMT3603	Integrative Entrepreneurship (or close cognate)
MGSC3101	Management Information Systems
Discipline Elective	
Discipline Elective	

Refer to ITEC course descriptions in this calendar for additional information on individual courses. Further information on either the Information Management concentration or the Network Management concentration is available from the department chair at CIC.

toc: Program Notes

Program Notes

1. Discipline electives are defined as additional non-compulsory ITEC, business foundation, business or information technology related, or chair approved courses.
2. BTI students are eligible to complete a maximum of three work placements. Students must pass all required ITEC courses in the academic year preceding their placement and maintain a 70% average to be eligible to apply for work placements. Contact the career advisors for additional details.
3. Graduates from Business Technology are eligible to receive credit for a minimum of 10, six credit

courses toward the completion of the BBA degree.

toc: Program Requirements

The following course template represents the standard pattern through the degree program. The year one through year three course requirements listed below are common to both the BTI (Information Management) and BTI (Network Management) concentrations.

Year One

ITEC1501	Computer Programming I
ITEC1503	Operating Systems I
ITEC1504	Information Systems
ITEC1505	PC Hardware Fundamentals
ITEC1506	Introduction to Network Management
ITEC1507	Internet Fundamentals
MGSC1109	Business Calculus
MGMT1601	Introduction to Canadian Business
English	3 credits

Discipline Elective

Year Two

ITEC2501	Systems Analysis & Design
ITEC2507	Computer Programming II
ITEC2504	Advanced Network Management
ITEC2505	Data Base Development
ACCT1203	Introduction to Accounting I
MGSC1108	Introduction to Statistics
MGMT2604	Organizational Behaviour I
ACCT1204	Introduction to Accounting II

Discipline Elective

Discipline Elective

Year Three

ITEC3512	Computer Programming II
ITEC3504	Systems Security and Control
ITEC3513	Operating Systems II
ITEC3506	Information Technology Project Management
ITEC3507	Object Oriented Programming
ITEC3508	Windows Server Technologies
MGMT3607	International Business

Communication 3 credits

Discipline Elective

Discipline Elective

toc: Certificate & Designation Programs

Certificate & Designation Programs

toc: Certificate in Management & Administration/Certified in Management (CIM) Professional Designation

Certificate in Management & Administration/Certified in Management (CIM) Professional Designation

CANADIAN INSTITUTE OF MANAGEMENT

Students will be awarded a Certificate in Management and Administration, by the Canadian Institute of Management upon completion of ten (30 credits) courses as specified by the Institute, with a minimum grade of 60% in each course.

Candidates will be eligible to apply for Certified in Management (CIM) professional designation once they have acquired two years of management/administration experience. In order to be granted the designation, candidates are required to submit an application, along with two letters of reference and a current resume within six years of completing the prescribed studies.

The following are Cape Breton University equivalencies as approved by the Canadian Institute of Management:

CBU Equivalencies	
Introduction to Management	MGMT1601 Introduction to Business
Managerial Communications	COMM1105 Public Communication
Canadian Business Law	LEGL2501 Business Law I
Managerial Accounting	ACCT1203 Introduction to Accounting I
	ACCT1204 Introduction to Accounting II
Managerial Finance	FINC2401 Business Finance I
Strategic Policy Analysis	MGMT4605 Business Competitive Strategies
Option Courses (two courses required)	MRKT1301 Introduction to Marketing
	MGMT2604 Organizational Behaviour I
	MGSC3101 Information Systems for Management
	ECON1101 Principles of Microeconomics
	ECON1103 Principles of Macroeconomics

Admission Requirements

The normal rules and regulations for regular, part-time and mature students entering Cape Breton University credit courses will apply.

Additional Fees

Regular Cape Breton University tuition and fees apply to all courses. A yearly membership fee, in addition to Cape Breton University tuition and fees, is required by the Canadian Institute of Management.

toc: Professional Development Certificate Program

Professional Development Certificate Program

This program is designed to meet the needs of both public and private sector employees and those who want to both develop and enhance work-related skills, as well as to participate in an accredited professional development opportunity. Courses are multi-disciplinary to reflect the nature of skills needed to perform successfully on the job. This program would be of interest to individuals who are currently employed and who wish to further their education and employers interested in providing professional development. The program has significant value compared to traditional training programs as, should an individual desire, certificate credits can be applied toward a relevant university degree.

The program can be offered as a closed certificate for a defined learning group or learners can participate as part of a regular stream class. Some courses may be available through distance education.

Core Courses

MGMT2604	Organizational Behaviour
COMM1105	Introduction to Public Communication
MGMT3607	International Business Management
Elective	9 credits from the approved disciplines such as Political Science, Communication, French or Business Administration.

Independent Study

The independent study provides an opportunity for students to investigate an area of personal or professional interest using the skills and background acquired through the courses of the program. This topic will be determined in consultation with the Dean of Business.

toc: Business Certificate and Professional Programs

Business Certificate and Professional Programs

There are numerous independent professional organizations offering their own programs of study leading to diplomas or certificates. Some Shannon School of Business courses are accepted as equivalents of courses within these external programs. These include:

CPA Atlantic School of Business

The Chartered Professional Accountants of New Brunswick, Nova Scotia, Prince Edward Island and Newfoundland are participants of the Atlantic School of Business. The primary objective is to provide a prequalification study program for students wishing to enter the profession.

Prospective CPAs must first obtain an undergraduate degree in business, to be admitted as students in the CPA Professional Education Program (CPA PEP). Students will then undertake a number of prescribed modules of study and must pass evaluations in each course. After completion of these module courses they are then required to sit the uniform evaluations (UFE) in order to receive the designation of CPA.

Supply Chain Management Institute

Cape Breton University BBA Supply Chain Management courses have been designed to support the Supply Chain Management Professional (SCMP) designation for those who further their education in the field. This is offered through the Supply Chain Management Institute, the main certifying body for Canada with the designation having global reciprocity. For more information please contact the Supply Chain Management discipline coordinator.

AFOA Canada

AFOA Canada is the centre for excellence, information and certification in Aboriginal management. AFOA Canada offers the Certified Aboriginal Financial Manager (CAFM) designation, which is the preferred credential for Aboriginal financial management positions in Canada. For students wishing to pursue the

CAFM, there are several courses offered at Cape Breton University which are equivalent to AFOA program requirements. For more information, please contact the [Accounting discipline coordinator](#).

toc: Diploma in Emergency Management

Diploma in Emergency Management (45 credits)

Emergency Management is an exciting and dynamic discipline committed to developing, implementing, maintaining and evaluating strategic management processes to prevent and mitigate, prepare for, respond to and recover from natural, technological or human-caused incidents. It's about understanding these events and contributing to safer, more resilient and sustainable communities.

This program will be of interest to individuals who wish to expand their emergency management competencies while studying part-time either entirely on-line or by attending classes on-campus.

toc: Admission Requirements

Admission Requirements

Five Grade 12 advanced or academic courses including English and Mathematics with a minimum average requirement of 65%.

Cape Breton University's policy with respect to Transfer of Credit and/or Prior Learning Assessment (PLA) will apply on a case by case basis.

toc: Program Requirements

Program Requirements

Students are required to achieve a passing grade of 50% in each of the following 15 courses, with an overall average of 65%, to be eligible to graduate with this credential.

COMM1105 Introduction to Public Communication

EMGT1101 Keystone to Emergency Management

EMGT1103 Taxonomy and Anatomy of Hazards

EMGT2104 Effective Response

EMGT2201 Cultivating Emergency Management Alliances

EMGT2203 From Risk to Resilience

EMGT2304 Technological Tools in Emergency Management

EMGT3204 Recovery: Building the New Normal

EMGT3205 Managing Management

EMGT3301 Communicating Emergency Management

EMGT3303 Business Continuity Management

MGMT1601 Introduction to Business

MGMT2604 Organizational Behaviour I

MRKT1301 Introduction to Marketing

POLS3104 Issues in Canadian Local Government

toc: School of Education and Health

School of Education and Health

Disclaimer

When changes are made in program structure, a student already registered may choose to satisfy the new program requirements or to complete the program as it was when the student began his/her program if this is still possible and reasonable.

Cape Breton University (CBU) does not accept any responsibility for loss or damage suffered or incurred by any student as a result of suspension or termination of services, courses, or classes caused by reason of strikes, lockouts, riots, weather, damage to University property and any other cause beyond the reasonable control of CBU.

Each student bears the responsibility of ensuring that his/her course choices satisfy both the overall program regulations and the individual department regulations for specializations, concentrations or majors.

CAROLIN KREBER, PhD – DEAN

Established to provide institutional and community leadership in education and research relevant to the disciplines delineated by its name, the School of Professional Studies offers a variety of degree, diploma and certificate programs.

toc: Degree, Diploma and Certificate Programs

Degree, Diploma and Certificate Programs

GRADUATE DEGREE

Master of Education (Information Technology) conferred by Memorial University of Newfoundland

PROFESSIONAL DEGREE

Bachelor of Education

UNDERGRADUATE DEGREE

Bachelor of Science Nursing

Bachelor of Health Sciences (Public Health)

Bachelor of Science in Human Nutrition (Transfer)

Bachelor of Emergency Management

Bachelor of Emergency Management (Major in Health Emergency Management)

GRADUATE DIPLOMAS

Diploma in Education (Counseling)

Diploma in Education (Curriculum)

Diploma in Educational Technology

UNDERGRADUATE DIPLOMA

Diploma in Emergency Management

GRADUATE CERTIFICATES

Certificate in Educational Studies (Arts Education)

Certificate in Educational Studies (Sabbatical Offering)

CBU recognizes potential for program growth in health-related disciplines such as Nutrition, Public Health

and Nursing as well as in a broad range of teacher education (both pre- and post-certification) programs. Further, the institution recognizes the strong opportunities for employability of its graduates in these related fields. CBU believes it is part of our regional responsibility to provide access for our students to professional credentials such as Teaching, Nursing and Public Health and that the benefit of such access extends well beyond our students and the institution; it is a critical component of regional sustainability.

The School is comprised of three academic departments and one non-credit community wellness area. It also has numerous formal partnerships with outside agencies.

Health Sciences and Emergency Management: The Department of Health Sciences and Emergency Management houses faculty delivering the Bachelor of Health Sciences (Public Health), three Emergency Management credentials (including a Diploma, Bachelor and Major in Health Emergency Management) and Bachelor of Science, Nutrition (Transfer) programs. With both a four-year degree option and a two-year post-degree option, the BHSc (Public Health) makes CBU one of five institutions in Canada that prepares its students to sit for the examination for the Canadian Institute of Public Health Inspectors. Nutrition students may choose to do the first two years of a BSc (Nutrition) before transferring to another post-secondary institution. Emergency Management students have the option to study their choice of credential either entirely on-line or by attending classes on-campus earning the Diploma on a part-time basis, the Bachelor in three years full-time, and the Major in four years full-time.

Education: CBU's Department of Education delivers both pre- and post-certification programs for teachers. These include a Bachelor of Education (elementary and intermediate/secondary); a Master's degree in Education (Information Technology) offered in conjunction with Memorial University of Newfoundland; Graduate Diplomas in Education in Counseling, Curriculum and Educational Technology; the Certificate in Educational Studies; and the Certificate in Educational Studies (Arts Education). With a strong expertise and interest in online education, the department offers many of the teacher education programs entirely online. The department also maintains a formal linkage with school boards, the Department of Education, First Nations communities and other community stakeholders.

Nursing: Nursing is a unique health profession which involves the practice of professional caring. Nursing traditions have always provided leadership in addressing challenging health care issues related to health promotion, maintenance and restoration, illness prevention and palliative care. Cape Breton University's Bachelor of Science in Nursing program provides competence in all aspects of nursing. This includes the development of expertise in professional skills, as well as fostering critical thinking, problem solving and decision making. A BScN with an advanced major, is an option for students who want to pursue a concentration in one area. The curriculum is designed to provide learning experiences that promote student development and the acquisition of knowledge and skills necessary for a career in the nursing and health care profession. The body of knowledge in the program is rooted in nursing theory and nursing research, as well as the biological sciences, social sciences and humanities. Students in this program develop the skills and ability to assist individuals, families, groups, communities and populations to consider, develop and follow wellness plans to optimize their level of functioning. Our BScN Program is one of excellence, respect, openness to students and very high standards.

Through a formal Memorandum of Understanding, CBU has partnered with the Cape Breton District Health Authority to advance health and wellness initiatives of mutual interest. One such initiative includes the recently launched Cape Breton Centre for Health Research, established to provide infrastructure for the advancement of health research activities in the area. Part of CBU's commitment to this project is the provision of space for office and staff.

The School of Professional Studies also assumes the lead role for CBU in building and maintaining community linkages focused on creating a healthier Cape Breton. In addition to its own proactive Campus and Community Wellness strategy, the School partners with the District on the fitness component of its Cardiac Wellness program and plays a role in such initiatives as the Committee for Active Transportation in the area. The School is also home to the Cape Breton University Seniors College.

toc: Master of Education (Information Technology)

Master of Education (Information Technology)

This program was designed to facilitate the educational use of information technology in a wide variety of settings. The program will be of interest to educators at all levels, including K-12 teachers, school administrators, those in the post-secondary system, business and industry, as well as those in most other adult learning situations. While the co-operatively-offered degree may be awarded at convocation at either CBU or MUN, the degree is conferred by MUN.

toc: Admission Requirements

Admission Requirements

In addition to meeting the requirements in the general degree regulations, Faculty of Education, MUN, candidates must have successfully completed one of: a diploma or certificate in information technology from an accredited institution; CBU EDUC5132; MUN E2751 and MUN E3751; or equivalent, as determined by the program steering committee.

toc: Program Requirements

PROGRAM REQUIREMENTS

1. All candidates for the Master of Education (Information Technology) must complete MUN E6100 Research Designs and Methods in Education (3 credits).

2. Candidates on the thesis route must complete three credits from:

MUN E - 6610	Research on Computers in the Curriculum (3 credits)
MUN E - 6615	Educational Software Prototyping and Evaluation (3 credits)
MUN E - 6620	Issues and Trends in Educational Computing (3 credits)

Nine credits selected from the core elective CBU courses approved for this program:

CBU EDUC5101	Assessment of Software and Information Technology Applications for Education (3 credits)
CBU EDUC5103	Integration of Instruction Design and Information Technology (3 credits)
CBU EDUC5104	Applications of Learning Theory in Educational Multimedia Design (3 credits)
CBU EDUC5105	Designing Web-based Learning (3 credits)
CBU EDUC5106	Technology Planning for Education Environments (3 credits)
CBU EDUC5107	Information Management for Education Environments (3 credits)

Three credits from E6426, E6802, E6822, E6823 or from other MUN, Faculty of Education graduate course offerings as deemed appropriate for each candidate's program and approved by the program steering committee.

3. Candidates on the comprehensive course route must complete:

- 6 credits selected from E6610, E6615, E6620 listed in (ii) above;
- 12 credits selected from CBU EDUC5101, EDUC5103, EDUC5104, EDUC5105, EDUC5106, EDUC5107, listed in (2) above
- E6590 Research and Development Seminar in Information Technology in Education (3 credits);
- 3 credits from E6426, E6802, E6822, E6823 or from other MUN, Faculty of Education graduate course offerings as deemed appropriate for each candidate's program and approved by the program steering committee;
- Additional credits appropriate to a candidate's program and approved by the program steering committee, to be chosen from graduate course offerings at MUN, CBU, or any other university to complete the required 30 credits for the comprehensive course route.

4. Normally, candidates will be permitted to register for E6590 only after all other course requirements have been met.

5. Candidates who have successfully completed the CBU graduate-level Certificate in Education (Technology) will be given advanced standing credit for the nine CBU EDUC course credit requirements for the thesis route or 12 CBU EDUC course credit requirements for the comprehensive course route in this program.

6. Candidates who have successfully completed the former CBU EDUC534 and/or EDUC543 with at least a

CBU grade of B (70%) toward the CBU graduate-level Certificate in Education (Technology) prior to September 2000, will receive up to 12 advanced standing credits appropriate to their degree option (EDUC534 will be considered equivalent to EDUC5101 and EDUC5103 and EDUC543 (equivalent to EDUC5104 and EDUC5105).

7. Thesis route candidates will be subject to regulation J of the School of Graduate Studies, MUN, supervised by a faculty member at MUN and where feasible, co-supervised by a CBU faculty member.

toc: Master of Education in Sustainability, Creativity and Innovation (MEd SCI)

* This program is currently awaiting approval from MPHEC (July 11, 2017).

The Master of Education in Sustainability, Creativity and Innovation (MEd SCI) addresses the needs of formal and non-formal educators, administrators, innovators, classroom teachers, and environmental, community, and sustainability leaders. The program utilizes the competencies for Education for Sustainable Development (ESD) as defined by the United Nations and emphasizes the significance of utilizing a holistic approach that enables the learner to envision change and engage in personal and professional transformation. Applying these sustainability principles with creativity and an entrepreneurial orientation contributes to well-being for all, sustainably.

The MEd SCI is a 30 credit graduate program that can be completed fully online. The program features two options: a thesis route and a non-thesis route.

- Thesis students complete five core graduate courses (3 credits each), two graduate electives (3 credits each), and a thesis (9 credits).
- Non-thesis students complete five core graduate courses (3 credits each), three graduate electives (3 credits each), and a project (6 credits).

To maintain satisfactory standing in the MEd (SCI), graduate students must achieve a passing grade of 70 in each course. Students who fail any course will receive notification from the Registrar's Office, (copied to the School Dean), that they have been placed on probation. A student who subsequently fails a second course, (including the same course twice), will be notified by the Registrar that they have been dismissed from the program; in progress courses will be dropped, (with WP entered on the transcript), and refund rules applied.

All academic decisions affecting students may be appealed to the CBU Appeals Committee; procedures as outlined in the Academic Calendar.

toc: Program Admission

Program Admission

Program admission requires students to have a minimum of an undergraduate degree with a 70% average. The application package includes an online letter of intent, an academic letter of recommendation and a professional letter of recommendation. In addition, all applicants need to complete the online general CBU application form. All post-secondary transcripts and reference letters to be sent to: Manager of Teacher Education at CBU.

toc: Program Requirements

Program Requirements

The MEd SCI is a 30 credit graduate program that can be completed fully online. The program features two options: a thesis route and a non-thesis route.

- Thesis students complete five core graduate courses (3 credits each), two graduate electives (3 credits each), and a thesis (9 credits).
- Non-thesis students complete five core graduate courses (3 credits each), three graduate electives (3 credits each), and a project (6 credits).

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All academic decisions affecting students may be appealed to the CBU Appeals Committee; procedures as outlined in the Academic Calendar.

EDUC6101 Fundamentals of Sustainability (3 credits)

EDUC6103 Education for Sustainability and Entrepreneurship (3 credits)

EDUC6104 Curriculum Inquiry: Foundations of Theory and Practice (3 credits)

EDUC6115 Research Methods (3 credits)

EDUC6105 Health Promoting Schools (3 credits)

EDUC6800 Education for Sustainability, Creativity and Innovation Project (6 credits)

EDUC6901 Thesis Proposal: Sustainability, Creativity and Innovation (3 credits)

EDUC6902 Thesis: Sustainability, Creativity and Innovation (6 credits)

For a range of electives that are offered students are referred to the education department website.

Examples include: EDUC6106 ; EDUC6107; EDUC6108 ; EDUC6109: EDUC6111; EDUC5131;

toc: Bachelor of Education

Bachelor of Education

Cape Breton University offers the Bachelor of Education (Elementary and Intermediate/Secondary Education). Upon successful completion of this degree, students will be eligible to apply for teaching certification in Nova Scotia. This 60-credit degree is 16-months in duration (including the teaching internship). Classes commence each spring.

toc: Admission Requirements

Admission Requirements

INTERMEDIATE/SECONDARY EDUCATION PREREQUISITES

- A concentration of at least 30 credit hours of university coursework in a discipline, taught in Nova Scotia secondary schools as outlined in the Public School Program; a maximum of six credit hours of cognate university coursework may be included in fulfilment of this requirement;
- A concentration of at least 18 credit hours of university coursework in a second discipline, taught in Nova Scotia secondary schools as outlined in the Public School Program; a maximum of six credit hours of cognate university coursework may be included in fulfilment of this requirement.

INTERMEDIATE/SECONDARY TEACHABLES

English, Math, French, Fine Arts, Technology, Science (Biology, Chemistry, Physics, Geology/Earth Sciences, Oceanography or Environmental Studies) and Social Studies (History, Geography, Political Science, Anthropology*, Sociology, Economics, African Canadian Studies, Mi'kmaq Studies, Law and Classics). Applicants to the Bachelor of Education (Intermediate/Secondary) cannot be accepted to this program if the first and second teachable disciplines are both social studies related disciplines.

* can be used as a second teachable discipline only

ELEMENTARY EDUCATION PREREQUISITES

Candidates for the Bachelor of Education (Elementary) must have successfully completed the following:

- 6 credits in social studies (from among History, Geography, Political Science, Anthropology, Sociology, Economics, African Canadian Studies, Mi'kmaq Studies and/or Philosophy) NOTE: This requirement will change to six (6) credits of university social studies coursework for May 2013.
- 6 credits in science (from among Biology, Chemistry, Physics, Geology/Earth Sciences, Oceanography or Environmental Studies)
- 6 credits in Mathematics
- 6 credits in English
- 6 credits in Developmental Psychology

All students are required to have an undergraduate degree from a recognized university, with a minimum of 90 credit hours completed.

Students in good academic standing, who have achieved an average of at least 65% throughout their undergraduate degree and an average of at least 70% in the last 60 credits attempted, are eligible for admission to the program.

toc: Program Requirements

Program Requirements

The pass mark in all Bachelor of Education courses is 60. Bachelor of Education students may only proceed to terms two, three, and four of the program by successfully completing all 15 credits of the coursework from the preceding term. This includes the teaching practicum.

The Nova Scotia Department of Education has adopted guidelines for the conduct of pre-service teachers enrolled in Bachelor of Education program. Professional responsibilities of teacher candidates are outlined in the CBU Bachelor of Education Practicum Handbook and in the Nova Scotia Teachers' Union Code of Ethics. Pre-service teachers are expected to adopt the core values of professionalism and the principles that define teachers' moral and ethical obligations both individual and collectively. Such values and principles are expressed in the pre-service teacher's attitude, behaviour and practice.

B.ED CORE COURSES (REQUIRED FOR BOTH ELEMENTARY AND INTERMEDIATE/SECONDARY)

EDUC4103	Inclusive Education (3 credits)
EDUC4107	Assessment Of and For Learning (3 credits)
EDUC4109	Perspectives on Schooling (3 credits)
EDUC4114	Teaching and Learning for a Sustainable Future (3 credits)

B.ED – ELEMENTARY ADDITIONAL CORE

EDUC4111	Facilitating a Comprehensive Literacy Program at the Elementary Level (3 credits)
EDUC4113	Teaching an Integrated Science Curriculum (3 credits)
EDUC4115	Teaching an Integrated Social Studies Curriculum (3 credits)
EDUC4116	Mathematics at the Elementary Level (3 credits)
EDUC4117	Assessment and Curriculum Instruction in Elementary Education (3 credits)
EDUC4118	Principles and Practice of Elementary Education (3 credits)
EDUC4989	Internship in the Elementary School (15 credits)

Please note: BEd students must successfully complete the coursework from semester one and two prior to beginning the practicum (EDUC4989 / EDUC4999). A BEd student may be permitted to enrol in a methodology courses as an elective only with the written permission of the instructor.

15 credits in Education Electives

B.ED – INTERMEDIATE/SECONDARY ADDITIONAL CORE

EDUC4128 Principles and Practice of Secondary Education (3 credits)

EDUC4121 Literacy in the Content Areas (3 credits)

EDUC4217 The Adolescent Learner (3 credits)

Twelve credits of methodology coursework chosen from:

EDUC4138 Technology Education I (3 credits)

EDUC4139 Technology Education II (3 credits)

EDUC4141 Science at the Secondary Level I (3 credits)

EDUC4143 Science at the Secondary Level II (3 credits)

EDUC4144 Social Studies at the Secondary Level I (3 credits)

EDUC4145 Social Studies at the Secondary Level II (3 credits)

EDUC4146 French Second Language at the Secondary Level I (3 credits)

EDUC4147 French Second Language at the Secondary Level II (3 credits)

EDUC4148 Fine Arts at the Secondary Level I (3 credits)

EDUC4149 Fine Arts at the Secondary Level II (3 credits)

EDUC4151 English Language Arts at the Secondary Level I (3 credits)

EDUC4153 English Language Arts at the Secondary Level II (3 credits)

EDUC4154 Mathematics at the Secondary Level I (3 credits)

EDUC4155 Mathematics at the Secondary Level II (3 credits)

EDUC4999 Internship in the Secondary School (15 credits)

Please note: BEd students must successfully complete the coursework from semester one and two prior to beginning the practicum (EDUC4989/EDUC4999). A BEd student may be permitted to enrol in a methodology courses as an elective only with the written permission of the instructor.

12 credits of Education Electives

ABORIGINAL EDUCATION CONCENTRATION

Students completing the BEd with the Aboriginal Education Concentration will complete all requirements as outlined above for the common core and secondary/elementary core. Additionally, students will complete 12 of their 15 credits of elective courses within the 'Mi'kmaq Focus Electives'. The requirements for the Secondary and Elementary streams are outlined below:

Elementary Aboriginal Education:

- EDUC4133 Teaching English as a Second Language in an Additive Bilingual Model (3 credits)
- EDUC4134 Introduction to Literacy and Fluency in Aboriginal Languages (3 credits)
- EDUC4135 Advanced Reading and Writing in Aboriginal Languages (3 credits)
- EDUC4136 Aboriginal/Indigenous Education Models (3 credits)

Secondary Aboriginal Education:

- EDUC4133 Teaching English as a Second Language in an Additive Bilingual Model (3 credits)
- EDUC4134 Introduction to Literacy and Fluency in Aboriginal Languages (3 credits)
- EDUC4135 Advanced Reading and Writing in Aboriginal Languages (3 credits)
- EDUC4136 Aboriginal/Indigenous Education Models (3 credits)

Individual courses from CBU's graduate diploma and certificate offerings may be taken with permission. A non-refundable application fee of \$50.00 is required with each application for education diploma and certificate programs. Department of Education contacts:

- Jane Lewis, Chair, Education Department (902) 563-1305; jane_lewis@cbu.ca
- Kristin O'Rourke, Manager of Teacher Education Programs / Interim Practicum Coordinator, Bachelor of Education program (902)-563-1647; kristin_orourke@cbu.ca
- Susan Basso, Manager, Bachelor of Education Program (902) 563-1651; susan_basso@cbu.ca and Kristin O'Rourke, Manager of Teacher Education Programs / Interim Practicum Coordinator, Bachelor of Education program (902)-563-1647; kristin_orourke@cbu.ca

toc: Bachelor of Science Nursing

Bachelor of Science Nursing

The Bachelor of Science, Nursing (BScN) is a program that prepares nurses to practice in a variety of health care settings. The curriculum is a blend of biological, social sciences, humanities and nursing courses, combining academic and professional theory with nursing practice. In 2016, the CBU nursing program adopted a model of concept-based learning to keep pace with the evolving nature of nursing education. A concept-based curriculum aides in assisting students to develop the high level of clinical reasoning and nursing judgement needed to respond to the complexity of today's health care system. Concept-based learning is student-centered and student-directed. Students are encouraged to be active learners; to delve into course content, and to learn how to access information independently.

For more information on [Bachelor of Science Nursing](#) please visit our web page.

Cape Breton University BScN Student Education Options

[Advanced Major](#)

Nursing Specialty Focus Option

The Nursing Specialty Focus option is designed to provide students with the opportunity to explore an area of nursing in-depth through specialized courses and focussed nursing practice experiences. The goal is to expand the students' knowledge, skills, and abilities in relation to a specific area of nursing. The courses associated with the Nursing Specialty Foci are offered in conjunction with Dalhousie University and are open to all nursing students in the province.

Admission Requirements

- Passing grade in all previous courses taken to fulfill the BScN degree requirements.

To fulfill the requirements of a Nursing Specialty Focus - students must complete:

- Two, three-credit theory courses. The courses will be taken on-line in Semester 6 and Semester 7 and may be taken in-lieu of the required electives.
- An associated six week, six-credit nursing practice experience in a related practice area. The nursing

practicum will take place in Semester 7 and will be associated with NRSG 4900.

Presently there are three approved Nursing Speciality Foci Options:

Acute Care Nursing Speciality Focus:

Semester 6 – NRSG 4471 Emergency Preparedness

Semester 7 – NRSG 4472 Acute & Critical Care Nursing and NRSG 4900 Nursing Practice Integration V

Mental Health Nursing Speciality Focus:

Semester 6 - NRSG 4371 Addictions Nursing

Semester 7 - NRSG 4372 Mental Health Nursing and NRSG 4900 Nursing Practice Integration V

Public Health Nursing Focus:

Semester 6 – NRSG 4381 Public Health Nursing

Semester 7 – NRSG 4380 Intro to Epidemiology Methods and NRSG 4900 Nursing Practice Integration V

NOTE: Students may also take any of the above on-line courses as electives without fulfilling the full requirements of a particular nursing focus.

Additional nursing elective courses may be offered by CBU, STXFU, or Dalhousie and will be open to all nursing students in the province. Information on these courses will be provided as it becomes available.

toc: Admission Requirements

Admission Requirements

Admission to the Bachelor of Science Nursing (BScN) is limited and therefore competitive. All eligible first year candidates are ranked based on their previous academic performance (60%) and their compatibility for the nursing profession based on their score on the CASPER evaluation tool (40%).

DEADLINE FOR APPLICATION: The general CBU Admissions and Nursing applications, along with all supporting documentation, must be received by February 28 for consideration for admission for the following September start date.

Requisite Skills for Nursing Practice

The College of Registered Nurses of Nova Scotia (CRNNS) has identified the requisite skills and abilities for nursing practice in Nova Scotia. [Becoming a Registered Nurse in Nova Scotia: Requisite Skills and Abilities](#) outlines the requirements and performance expectations of nurses in Nova Scotia and can assist you in determining whether nursing is an appropriate career choice. We recommend that you review this document at the link above to ensure that you meet these requisite skills and abilities. If you have any further questions please contact the nursing department at nursing@cbu.ca.

Entry to the Bachelor of Science Nursing Program

There are three points of entry into the Bachelor of Science Nursing (BScN) Program:

1. Direct Entry Program (3 Year/ 8 Semesters): For applicants direct from High School or mature students who do not qualify for admission to the Advanced Standing Program (NOTE: Students who have completed a minimum of 30 credits of university level courses and have the five required pre-requisites for the Bachelor of Science Nursing - Advanced Standing program are not eligible to be admitted to the Bachelor of Science Nursing - Direct Entry program).

Direct Entry Program Admission Requirements:

- Successful completion of Grade 12 or equivalent with a minimum grade of 70 percent in five academic Grade 12 courses that must include: English, Math, and two sciences from Biology, Chemistry or Physics.

Students must also write the CASPer test and have their results forwarded to Cape Breton University to be considered for admission. CASPer test must be written by the application deadline. Please visit <https://takecasper.com/> for test dates.

Cape Breton University invites all individuals to apply, however preference will be given to Nova Scotia residents.

2. Advanced Standing Program (2 Year/6 Semesters) – For applicants with previous university study.

Advanced Standing Program Admission Requirements:

- Successful completion of a minimum of thirty credits of university level courses with a minimum grade of 65% in all subjects. Within the 30 credits, students must have the following:
- 5 required pre-requisite courses (Physiology, Anatomy, English, Microbiology, and Statistics)
- Additional 15 credits of university level courses

Students must also write the CASPer test and have their results forwarded to Cape Breton University to be considered for admission. CASPer test must be written by the application deadline. Please visit <https://takecasper.com/> for test dates.

Please Note:

For the Advanced Standing Program, ranking is based on the average of the 5 pre-requisite courses and the CASPer scores. Only applicants with the above pre-requisites, including 15 credits of electives, will be considered for admission. Applicants must have completed or be enrolled in the above mentioned pre-requisite courses by the application deadline with a completion date of all courses no later than May 15th to be considered for admission to the Bachelor of Science Nursing – Advanced Standing program.

Applicants to the BScN – Advanced Standing program will be notified of their admission status the end of May.

Cape Breton University invites all individuals to apply, however preference will be given to Nova Scotia residents.

3. LPN to BScN Pathway – For LPN applicants with in-career experience.

LPN to BScN Pathway Program Admission requirements:

- Graduated in 2008 or later from a two-year Nova Scotia Community College (NSCC) Practical Nurse Program
- Obtained a minimum average of 75% in all Practical Nurse Diploma Program courses
- Completed a minimum of 1800 hours of work experience as a LPN within the last two years (confirmed by the employer)
- In possession of a current LPN License.

Applicants to the LPN to BScN pathway program must include with their application:

- A letter of intent
- NSCC transcripts
- A professional letter of reference from current employer
- A copy of valid LPN license

Students must also write the CASPer test and have their results forwarded to Cape Breton University to be considered for admission. CASPer test must be written by the application deadline. Please visit <https://takecasper.com/> for test dates.

Please Note: Only complete application packages will be considered for admission.

English Language Proficiency

It is essential that all students entering the BScN program be proficient in the English language. All students need to have adequate knowledge in the areas of reading, writing, listening and speaking in order to be successful in the BScN program. In addition, all students must have the ability to read cursive writing.

Please refer to CBU's Academic Calendar to review requirements under its English Language Proficiency Policy.

Vaccination/Immunization Requirements

Immunizations and vaccinations protect patients and students. The immunizations and testing are required and are a condition of the applicant's acceptance into the program. Students must start the immunization process as soon as they are offered admission to the program and must complete the process prior to entering the program in September. Proof of immunity must be in writing and signed by either a nurse or a physician.

Immunizations required (and subject to change) include:

- Diphtheria-Tetanus & Pertussis
- Mumps
- Varicella
- Hepatitis B
- Polio
- Measles (Rubeola)
- 2-step Mantoux Test (TB)
- Influenza Vaccine (Highly Recommended)

Criminal Reference Check/Vulnerable Sector Search Check

All applicants admitted to the BScN program are required to submit a current (within 6 months of the September admission date) Criminal Record Check, including a Vulnerable Sector Search Check. A Child Abuse Registry Form is also required.

CPR

All applicants admitted to the BScN program must maintain up-to-date certification in Health Care Provider CPR (Level HCP). This certification can be obtained from St. John Ambulance, Red Cross, or Cape Breton University Student Affairs. Students must recertify every 1 to 2 years, depending on the certification guideline, until graduation. Proof of certification/recertification is to be submitted to the Department of Nursing.

First Aid

Students must be certified for Standard First Aid on admission to the program. The certification can be obtained from St. John Ambulance, Red Cross, or Cape Breton University Student Affairs. Proof of certification is to be submitted to the Department of Nursing.

Additional Costs of the BScN

The following are additional costs associated with this program. These include, but may not be limited to, the following:

- CPR certification and recertification,
- Immunizations,
- Purchase of uniforms, shoes and equipment,
- Criminal Reference Record/Vulnerability Sector Search,
- Non-Violent Crisis Prevention Intervention,
- CBU Nursing Students' Society,
- National licensure online preparatory examinations and learning tools.

toc: Program Curriculum Sequence

2017 DIRECT ENTRY/ADVANCED PATHWAY CURRICULUM SEQUENCE

PROGRAM ENTRY POINTS:

1. Direct Entry Students - Term I & II
2. Advanced Entry Students - Terms III - VIII

Term I / II	Term III	Term IV	Term V	Term VI	Term VII	Term VIII
Pre-Requisite Non-Nursing Courses 15 credits / term	Concepts Foundational to the Profession of Nursing	Nursing of Individuals & Families in Transition across the lifespan	Nursing of Persons & Families with acute health challenges	Nursing of Persons & Families experiencing chronic illness	Analysis & Integration of Professional Nursing Concepts, Individuals,	Transition to Nursing Practice

30 credit total					Families, Communities and populations	
BIOL2203	NRSG2101	NRSG2301	NRSG3101	NRSG3304	NRSG4101	
BIOL2204	NRSG2201	NRSG2203	NRSG3301	NRSG3501	NRSG4501	
CHEM1104	NRSG2401	NRSG2501	NRSG3303	Elective (3cr)	Elective (3cr)	
COMM1103	NRSG2403	NRSG2503				
ENGL1109 (recommended)	NRSG2901 Nursing Practice I (3cr, 4 wks, 160hrs)	NRSG2903 Nursing Practice II (3cr, 4 wks, 160hrs)	NRSG3900 Nursing Practice III (6cr, 6 wks, 240hrs)	NRSG3902 Nursing Practice IV (6cr, 6 wks, 240 hrs)	NRSG4900 Nursing Practice V (6cr, 6wks, 240hrs)	NRSG4902 Nursing Practice VI (15cr, 13wks, 480 hrs)
MICR2101						
MATH1109						
PHIL1103						
PSYC1101						
PSYC1103						

toc: BScN Department Progression Policy

CBU Nursing Department Progression Policy

NURSING PROGRAM PROGRESSION CRITERIA

Nursing students must meet the following mandatory academic requirements to progress from one semester to the next semester in the Nursing Program. Students' academic requirements are based on the course grades recorded on their transcript.

Direct Entry Students - Semester 1 and Semester 2

Students must achieve a minimum grade of 65% in each of the following five courses:	Students must achieve a minimum grade of 50% in each of the following five courses:
BIOL2203	PSYC1101
ENGL 1000 level course	CHEM1104
BIOL2204	PHL1103

MICR2101

MATH1109

PSYC1103

COMM1103

STUDENTS MUST ACHIEVE AN OVERALL AVERAGE OF 65% IN EACH SEMESTER

All Nursing students (Advanced Program and Direct Entry) - Semesters 3 to 8

In each Nursing Course:	In each Non-Nursing Course:
Students must achieve a minimum grade of 65% in the combined mark from their midterm exam and their final exam.	
and	
Students must achieve a minimum final grade of 65%.	Students must achieve a minimum grade of 50%.

STUDENTS MUST ACHIEVE AN OVERALL AVERAGE OF 65% IN EACH SEMESTER

(Final grades for electives and transfer credits will be included and calculated in the designated Semester they appear on student' degree audit.)

Failure to Progress Criteria (FTP)

Students who fail to meet the progression requirements outlined above will be designated as a Failure to Progress (FTP). FTP students will not progress to the next Semester.

Failure to Progress Process	Process
FAILURE TO PROGRESS 1	<p>A student who fails to progress for the first time will be permitted to repeat the course/courses the next time it is offered in the timetable or through tutorials (based on availability of resources).</p> <p>If the student subsequently passes the course and meets the other progression requirements, the student will be permitted to enroll in the next Semester.</p>
FAILURE TO PROGRESS 2	<p>A student who fails to progress for a second time will be dismissed from the program for one year. Students may reapply to the program after one year. Readmission to the program is not guaranteed.</p>
<p>THE MAXIMUM NUMBER OF FTPS IS TWO</p> <p>If a student were readmitted to the nursing program, a subsequent failure to progress would result in permanent dismissal from the program.</p>	

DEPARTMENTAL PROCESS FOR FTP

1. The Chair and/or the Director of the Nursing Program will meet individually with each student deemed FTP.
2. A summary letter of the FTP and the meeting will be placed on the student's file.
3. The Dean of the School will be notified. A letter informing the student of the FTP will be sent from the Dean's office to the student at the end of the Semester. A copy of the letter will be placed on the student's file.

AT RISK STUDENTS

Nursing students will be designated as an At Risk Status if they meet the following criteria:

- Students achieve less than a 70 % average in the combined mark from their midterm and final exams in a nursing course
- Students achieve less than as an overall average of 70 % in an academic Semester

DEPARTMENTAL PROCESS FOR AT RISK STUDENT

1. The Chair and/or the Director will meet individually with each student deemed "At Risk"
2. A letter summarizing the meeting will be placed on the student's file
3. The Dean of the School will be notified of a student's At Risk Status and a letter will be sent from the Dean's office to the student. A copy of the letter will be place on the student's file.

toc: Bachelor of Science in Nursing with Advanced Major

Bachelor of Science Nursing with Advanced Major

The Advanced Major is a directed study course that permits students to pursue their interest in a particular nursing topic. The student program of study will be supervised by a member of the Nursing Department. Through a series of learning activities and assignments, students will gain experience in developing a complete research proposal. The Advanced Major fulfills the requirements of a three-credit elective and may be pursued in Semester VII of the BScN program. Students who wish to enter the Advanced Major must apply by March 31st of Semester VI. Students application must be approved by the Department Chair.

[Admission Requirements](#)

[Program Requirements](#)

toc: Admission Requirements

Admission Requirements

- A $\geq 70\%$ average in all previous courses taken to fulfill the BScN degree requirements.
- A $\geq 70\%$ average in all Nursing courses taken to date.
- No previous placements on nursing practice improvement.
- A faculty member in the Nursing Department willing to supervise the Advanced Major project.

Exceptions to these requirements require the approval of the Dean.

toc: Program Requirements

Degree Requirements to Qualify for a BScN with advanced major, candidates must have:

- Been admitted to the advance major option;
- Earned a general average of at least 70% in each of the final four semesters;
- Earned a grade of at least 70% in each NRSG course in each year;
- Fulfilled the course requirements of the department and satisfied the seminar/independent practice requirements;
- Received no nursing alert in the four years.

A student who fails to meet the required average may qualify for the general degree

toc: Bachelor of Health Sciences (Public Health)

Bachelor of Health Sciences (Public Health)

The Bachelor of Health Sciences (Public Health) program is devoted to the environmental health dimension of public health. It is accredited by the Canadian Institute of Public Health Inspectors and graduates are academically eligible to sit for national certification examinations leading to the credential Certified Public Health Inspector (Canada) - CPHI(C). The program is available in a four-year option, a two-year post-diploma/degree accelerated option and a one-year professional degree completion option, available via distance education for those already holding the CPHI(C) credential.

toc: Admission Requirements

Admission Requirements

High School Graduates: five Grade 12 advanced or academic courses including English, Mathematics, Chemistry and one other science; with an overall average of at least 65%. Biology is recommended.

Diploma Graduates: Admissions and course selection will be done on an individual basis in consultation with an academic advisor from the program, with admission to the 4 year program.

Degree Graduates: appropriately accredited university science degree. The following term-courses or their equivalents are required for entry into the two-year accelerated option.

- 3 credits Chemistry;
- Introductory Microbiology;

Students entering the two year accelerated option may request a transfer credit assessment to receive up to twelve (12) credit transfers for courses already completed in their first degree, as long as the appropriate material was covered (to be determined by the department).

Partially completed degree: Admissions and course selection will be done on an individual basis in consultation with an academic advisor from the program, with entry into 4 - year program.

In-career health inspectors: CPHI(C) credential is required to enter the one-year professional degree completion option.

toc: Program Requirements

Four-Year Program

(Changes made to Bachelor of Health Science (Public Health) programme will go into effect September 2016, for new students.)

Term One (Fall)

CHEM1104	General Chemistry
MATH1107	Math I
PUBH1101	Cell Processes and Environmental Effects
PUBH1104	Physical Agents & Their Health Effects

Writing elective 3 credit - COMM/ENGL recommended, other writing course accepted

Term Two (Winter)

PUBH2104	Anatomy and Physiology
MATH1109	Statistics I
PUBH3103	Public Health Administration

Writing elective 3 credit - COMM/ENGL recommended, other writing course accepted

Free Elective

Term Three (Fall)

MICR2101	Introductory Microbiology
PUBH2108	Engineering Issues in Public Health
PUBH2107	Emergency Preparedness
PUBH4105	Occupational Health and Safety Legislation

Free Elective

Term Four (Winter)

GEOL3101	Hydrogeology
PUBH3101	Food Hygiene
PUBH4111	Integrated Pest Management
PUBH3106	Epidemiology

Science/Technology Elective

Term Five (Fall)

PUBH1103	Issues in Public Health
PUBH2103	Public Health Law
PUBH2105	Public Health Inspection
PUBH3105	Public Health Ethics
PUBH4107	Quality & Environmental Project Mgt

Term Six (Winter)

ENVI2163	Occupational Hygiene
ENVI2161	Air Pollution
PUBH4103	Communicable Disease Control
PUBH4104	Food Borne Disease

Free Elective

Term Seven (Fall)

PUBH2106	Food Quality
PUBH3104	Toxicology
PUBH4108	Biocontaminants in Indoor Environments
PUBH4109	Waste Management

Free Elective

Term Eight (Winter)

PUBH2101	Municipal Services
PUBH4101	Health Risk Assessment

PUBH4106 Public Health Education

NUTR1101 Community Nutrition

Free Elective

The four-year program is available to secondary school graduates and is composed of 40 term courses. Upon completion of this program, students are academically eligible to apply to take the national certification examinations leading to the credential Certified Public Health Inspector (Canada) CPHI(C). An appropriate 12-week practicum is also a requirement for certification. Compliance with CIPHI practicum criteria and other certification requirements is a student responsibility, and does not lie with CBU.

Two-Year Accelerated Post Diploma/Degree Format

Term One (Fall)

PUBH1103 Issues in PH

PUBH2103 Public Health Law

PUBH2105 Public Health Inspection

PUBH3105 Public Health Ethics

PUBH4105 Occupational Health and Safety Legislation

PUBH4107 Quality & Environmental Project Management

Term Two (Winter)

ENVI2161 Air Pollution

ENVI2163 Occupational Hygiene

PUBH3101 Food Hygiene

PUBH3103 Public Health Administration

PUBH3106 Epidemiology

PUBH4104 Food Borne Disease

Term Three (Fall)

PUBH2106 Food Quality

PUBH2107 Emergency Preparedness

PUBH2108 Engineering Issues in PH

PUBH3104 Toxicology

PUBH4108 Biocontaminants in Indoor Environments

PUBH4109 Waste Management

Term Four (Winter)

GEOL3101 Hydrogeology

PUBH2101 Municipal Services

PUBH4101 Health Risk Assessment

PUBH4103	Communicable Disease Control
PUBH4106	Public Health Education
PUBH4111	Integrated Pest Management

An average of 60% must be achieved in the 24 courses listed in the two year option. Graduates are eligible to receive a Bachelor of Health Sciences (Public Health) degree.

Upon completion of this program, students are academically eligible to apply to take national certification examinations leading to the credential Certified Public Health Inspector (Canada) - CPHI(C). An appropriate 12 week practicum is also a requirement for certification. Compliance with CIPHI practicum criteria and other certification requirements is a student responsibility and does not lie with CBU.

Related Electives

Within the four year program, there are opportunities for free electives and science/technology electives. Delivered within the department are two occupational health and safety related electives that may be taken by students either on campus or via distance online learning. They are: PUBH3107 Fire, Safety and Security, PUBH4113 Safety Systems

One-year Professional Degree Completion Format

Students who already hold the CPHI(C) credential are eligible to receive the Bachelor of Health Sciences (Public Health) degree upon completion of the 12 term courses below, offered via distance education (online). Two of these courses are offered in each term by rotation, requiring a minimum of six terms (24 months) to complete the program.

PUBH2107	Emergency Preparedness
PUBH3103	Public Health Administration
PUBH3104	Toxicology
PUBH3105	Public Health Ethics
PUBH3106	Epidemiology
PUBH4101	Health Risk Assessment
PUBH4103	Communicable Disease Control
PUBH4105	Occupational Health and Safety Legislation
PUBH4106	Public Health Education
PUBH4107	Quality and Environmental Project Mgt
PUBH4109	Waste Management
PUBH4111	Integrated Pest Management

toc: Bachelor of Science in Human Nutrition (Transfer)

Bachelor of Science in Human Nutrition (Transfer)

Cape Breton University offers courses in Nutrition, Chemistry, Biology, Microbiology, Mathematics, and Business, and social sciences and humanities electives that will generally allow students to complete the first two years towards a degree in Human Nutrition at other Universities in the Atlantic Region. Students interested in the Nutrition option are responsible for confirming with the institution at which they plan to finish the degree, the transferability of their CBU courses. Students wishing to complete an Honours BSc. in Human Nutrition, in a total of four years, must ensure with the receiving university that the courses stated below will allow this.

Cape Breton University has articulation transfer agreements in Human Nutrition with St. Francis Xavier

University in Antigonish, Nova Scotia, Mount Saint Vincent University in Halifax, Nova Scotia and the University of Prince Edward Island in Charlottetown, Prince Edward Island. For more information please contact Dr. Edward Barre, Professor of Human Nutrition (E: ed_barre@cbu.ca; T: 902-563-1921).

toc: Admission Requirements

Admission Requirements

Five grade 12 academic or advanced courses including English; Math (any grade 12 academic or advanced math is suitable), two of Biology, Chemistry, Environmental Science, Food Science, Geology, or Physics; one other academic or advanced course with an average of at least 65%. Chemistry and one of Biology or Food Science is recommended. Students may substitute one Grade 12 open course for the one other academic or advanced course.

Students are responsible for ensuring that they have taken the pre-requisite course (s) for all CBU courses required for the Nutrition transfer option, prior to registration. Please contact Dr. Barre for details. Ed_Barre@cbu.ca

toc: Program Requirements

YEAR I

BIOL1101	Cell and Molecular Biology I
BIOL2203	Human Anatomy
CHEM1104	General Chemistry I
CHEM1105	General Chemistry II
MATH1109	Introductory Statistics I
NUTR1101	Community Nutrition <u>or</u> a non-Nutrition elective or additional Statistics course*
NUTR2107	Introduction to Sport Nutrition or a non- Nutrition elective*

**Humanities or Social Science (9 credits required)

YEAR II

BIOL3203	Human Physiology
CHEM2301	Introduction to Organic Chemistry I
CHEM2601	Introduction to Biochemistry I
*MGMT1601 or MGMT2604	Introduction to Business or Organizational Behaviour
MICR2101	Introductory Microbiology
NUTR2104	Introduction to Nutrition
***NUTR2106	Principles of Nutrition in Human Metabolism

**Humanities or Social Science (9 credits required)

Please Note:

*Students entering into the Bachelor of Science in Human Nutrition (transfer) option must contact Dr. Edward Barre for advising. Please contact his office at (902) 563-1921: or by email; Ed_Barre@cbu.ca

** Humanities: English, French, History, Religious Studies, Philosophy, Spanish, Celtic Studies.

** Social Sciences: Anthropology, Sociology, Psychology, Economics, Political Science.

** Students are required to have 12 credits (6 + 6 pair of social science - ie. 6 credits of 1000 level psychology plus another 6 credits of a different psychology at 2000 level or above) plus 6 credits of humanities or 12 credits of a humanities (6+6 pair of humanities) e.g. 6 credits of philosophy at the 1000 level plus another 6 credits of a different philosophy at the 2000 level or above) plus 6 credits of a social sciences prior to entering their third year at another specified university. Students may choose from either 6 credit or 3 credit courses.

Students must be counselled by Dr. Barre before choosing any Humanities or Social Science course.

Students are responsible for ensuring that they have taken the pre-requisite course(s) for all CBU courses required for the Nutrition transfer option, prior to attempting to register for any such courses requiring one or more pre-requisite course(s).

MICR2101 - Introduction to Microbiology

Offered in 2nd year of programme. Students are advised to register for MICR2101 for the Winter (Jan-April) term.

BIOL2203 and BIOL3203 Human Anatomy and Human Physiology

Students are strongly encouraged to register for BIOL2203 and BIOL3203 as soon as possible.

toc: Diploma Programs

Diploma Programs

toc: Diploma in Education (Curriculum)

Diploma in Education (Curriculum)

This graduate level program is intended for learners who wish to pursue a deeper understanding of curriculum development. It has been available from CBU since 1983 and has been delivered both on campus and by distance. Beginning with the meaning and purpose of curriculum, the learner completes the program by developing a model curriculum that may be used in his or her class. Formal admission to the program is required. Courses are offered on a part-time basis and completion of the diploma takes approximately two years. Individual courses may be taken with the permission of the Dean.

REQUIRED COURSES

EDUC5102	The Meaning and Purpose of Curriculum (6 credits)
EDUC5110	Teaching Canadian Culture (6 credits)
EDUC5112	Learning Resources (6 credits)
EDUC5120	Issues in Planning, Designing and Developing Curriculum (6 credits)
EDUC5122	Research/Curriculum Development (6 credits)

toc: Diploma in Education (Counseling)

Diploma in Education (Counseling)

This graduate level diploma program has been available from CBU since 1994. It is intended to enhance counseling skills for classroom teachers. With courses in counseling theory, differentiated instructional issues, individual and career counseling, testing and a supervised practicum, the diploma has proven beneficial to K-12 teachers in a variety of teaching and resource positions. Formal admission into the program is required. Courses are offered on a part-time basis allowing for the program to be completed in three years. Individual courses may be taken with the permission of the Dean.

REQUIRED COURSES

EDUC5109	An Introduction to Theories and Issues in Counseling (3 credits)
EDUC5111	Cultural Issues in an Educational Setting (3 credits)
EDUC5113	Human Relations Development (3 credits)
EDUC5114	Career Counseling (3 credits)
EDUC5142	Individual Testing (6 credits)
EDUC5150	Identification and Remediation of Learning Difficulties (6 credits)
EDUC5991	Counseling Practicum I (3 credits)
EDUC5993	Counseling Practicum II (3 credits)

toc: Diploma in Educational Technology

Diploma in Educational Technology

This program is designed to improve the technological skills of classroom teachers and to provide an in-depth exploration of the integration of technology across the curriculum. It is appropriate for teachers of all subject areas. Computer access is required as the program is delivered entirely over the World Wide Web. This program may lead to further education through a Master of Education (Information Technology) program.

REQUIRED COURSES

EDUC5101	Assessment of Software and Information Technology Applications for Education (3 credits)
EDUC5103	Integration of Instructional Design and Information Technology (3 credits)
EDUC5105	Designing Web-Based Learning (3 credits)
EDUC5106	Technology Planning for Educational Environments (3 credits)
EDUC5107	Information Management in Education Environments (3 credits)
EDUC5108	Educational Technology for the Practicing Teacher (3 credits)
EDUC5115	Research Methods for Education (3 credits)
EDUC5131	Digital Citizenship (3 credits)
EDUC5800	Applied Research Project (6 credits)

toc: Certificate Programs

Certificate Programs

toc: Certificate in Educational Studies

Certificate in Educational Studies

The Certificate in Educational Studies is awarded to teachers and school administrators who complete a sabbatical program following the guidelines established by the Institute for Education. This supervised year of study requires the completion of 30 credits in an approved subject area, including an advanced graduate seminar and an internship/research project.

toc: Certificate in Educational Studies (Arts Education)

Certificate in Educational Studies (Arts Education)

The Educational Studies Certificate in Arts Education addresses the needs of two distinctive groups of teachers: general classroom teachers who are committed to teaching and learning through the arts.

Students have the opportunity to pursue a specific arts discipline through concentrated study and practical application. The certificate consists of 24 graduate-level credits and the teacher's choice of six credits from Fine Arts courses listed in this calendar.

All courses will initially be offered on campus at CBU and may be converted for distance delivery should student needs dictate.

REQUIRED COURSES

EDUC5100	Developmental Drama (6 credits)
EDUC5130	Phenomenology of Childhood (6 credits)
EDUC5802	Applied Research Project (6 credits)
EDUC5810	Advanced Graduate Seminar (6 credits)

Six credits of Fine Arts courses

toc: School of Science and Technology

School Of Science And Technology

Disclaimer

When changes are made in program structure, a student already registered may choose to satisfy the new program requirements or to complete the program as it was when the student began his/her program if this is still possible and reasonable.

Cape Breton University (CBU) does not accept any responsibility for loss or damage suffered or incurred by any student as a result of suspension or termination of services, courses, or classes caused by reason of strikes, lockouts, riots, weather, damage to University property and any other cause beyond the reasonable control of CBU.

Each student bears the responsibility of ensuring that his/her course choices satisfy both the overall program regulations and the individual department regulations for specializations, concentrations or majors.

Richard Pierrynowski, P.Eng - Dean

The School of Science and Technology is the home of a wide variety of courses and programming in science, engineering and technology. The offerings include:

Bachelor of Science Degree

- Four Year Honours, Four Year Major, Four Year Double Major and Three Year General:

Biology

Chemistry

Mathematics

Psychology

Bachelor of Science Community Studies Degree

- concentrations in:

Biodiversity

Integrative Science

Psychology, Health and Environment

Bachelor of Technology Degrees

Emergency Management

Nautical Sciences

Bachelor of Engineering Degree - Transfer - options in:

Chemical

Civil

Electrical and Computer

Environmental

Industrial

Materials

Mechanical

Mineral Resources

Bachelor of Engineering Technology Degree in:

Bachelor of Engineering Technology (Electronics and Controls)

Bachelor of Engineering Technology (Environmental Studies)

Bachelor of Engineering Technology (Manufacturing)

Bachelor of Engineering Technology (Petroleum)

Engineering Technology Diploma in (co-op and non co-op options)

Electrical (Instrumentation & Controls) Engineering Technology

Mechanical Engineering Technology

Petroleum Engineering Technology

Certificates in:

Petroleum Operations

Liquefied Natural Gas (LNG) Operations

CBU has developed several engineering facilities which allow the integration of leading-edge technology and education programs. A CAD/CAM Centre fosters applied research and development in the modern manufacturing sector and a CAD laboratory specializes in training in computer-aided drafting and design.

toc: Departments

Departments

Biology

Chair, Tim Rawlings, PhD

The Department of Biology delivers courses in Biology and MSIT for all degree programs. It includes Biology and Integrative Science faculty with primary responsibility for the BSc in Biology, the BScCS in Biodiversity and the BScCS in Integrative Science. The Department of Biology shares responsibility for

the BScCS in Psychology, Health and Environment with the Department of Psychology.

Chemistry

Chair, Calvin Howley, BSc., MSc.

The department offers CSC accredited four-year BSc Honours and BSc major programs in Chemistry. Three-year general BSc and BA degrees with a concentration in Chemistry are also available. Chemistry can be used as the first or second major in the BSc double major or BSc double major with honours degree programs.

Engineering

Chair, Paul Standing, B.Tech, B.Sc

CBU houses the newest Engineering Department in the province and is second in size only to that at Dalhousie University. The department is responsible for the Engineering Transfer Diploma, Engineering Technology Diploma, Bachelor of Technology Degree and the Bachelor of Engineering Technology Degree programs.

Mathematics, Physics and Geology

Chair, James Preen, PhD

The Department of Mathematics, Physics and Geology includes faculty in Mathematics, Physics and Geology with primary responsibility for the BSc in Mathematics.

Psychology

Chair, Geoff Carre, PhD

The Department of Psychology focuses on the scientific study of mental processes and delivers a full range of courses for Psychology majors in the three- and four-year BA, BSc and BACS programs

toc: Bachelor of Science

Bachelor of Science

Three- and four-year degrees are available in Biology, Chemistry, Mathematics and Psychology. There are four different categories of BSc programs: the three-year general program, the four-year major program, the four-year honours program and the four-year double major program. Students may specialize in Biology, Chemistry, Mathematics or Psychology in either a three- or four-year BSc program.

Students may choose to enter any of the BSc program options when they begin their BSc. Those who begin in the three-year program may change to a four-year program at a later date, if they meet program requirements for average and grades. Students who begin in a four-year program must attain the required average and grades to remain in the program. Students planning to take a calculus course must write the Calculus Readiness Test.

toc: Admission Requirements

Admission Requirements

Required: Five Grade 12 advanced or academic courses including English; two Sciences (one of which must be Biology, Chemistry, or Physics); and Mathematics or Pre-Calculus Mathematics with an overall average of at least 65%. Recommended: Pre-Calculus Mathematics.

Students may substitute one Grade 12 open course for one advanced or academic course, except where a particular course is specified. Environmental Science 12 may be used as the second science with Biology, Chemistry or Physics.

These regulations were accurate at the time of publication. Some changes are anticipated. Please check with the Dean's office for current regulations.

toc: Departmental Regulations

Departmental Regulations

toc: Biology

Biology

A three-year degree requires:

1. Core Courses - 18 credits

- 6 credits English at 1000 and/or 2000 level
- 6 credits PHIL2221 and PHIL2223.
- 6 credits MATH: To fulfill the mathematics requirement students must include 3 credits from MATH1101, MATH1105, or MATH1109 plus 3 additional credits from any MATH course other than MATH1107, MATH1208, MATH1114, MATH1215 and MATH1216.

2. Biology Specialization - 36 credits

- 18 credits BIOL1101, BIOL1601, BIOL2101, BIOL2211, BIOL2503, BIOL3601
- 18 credits additional BIOLwith at least 9 credits at the 3000 level or higher.

3. Another Science - 12 credits

- From a second discipline of science: CHEM, GEOL, MATH, MSIT, NUTR, PHYS or PSYC.

4. Free Electives - 24 credits

5. An average of 60% in courses in Biology specialization in last two years of program.

6. An average of 55% over the entire 90-credit program.

7. 3 credits of Organic Chemistry must be included in one of the following categories: Science or free electives.

A four-year degree with a Biology major requires:

1. Core Courses - 18 credits

- 6 credits English at 1000 and/or 2000 level
- 6 credits PHIL2221 and PHIL2223
- 6 credits MATH: To fulfil the mathematics requirement students must include 3 credits from MATH1101, MATH1105, or MATH1109 PLUS 3 additional credits from any MATH course other than MATH1107, MATH1208, MATH1114, MATH1215 and MATH1216.

2. Biology Major - 54 credits

- 18 credits BIOL1101, BIOL1601, BIOL2101, BIOL2211, BIOL2503, BIOL3601
- 36 credits additional BIOLcourses of which 21 credits must be at the 3000 level or higher, including at least 6 credits at the 4000 level.

3. Area of Minor - 12 credits

- From a second discipline of science: CHEM, GEOL, MATH, MSIT, NUTR, PHYS, or PSYC.

4. Science Electives - 12 credits

- Generally courses from BIOL, CHEM, GEOL, MATH, MSIT, NUTR, PHYS or PSYC are acceptable - some exceptions exist.

5. Free Electives - 24 credits
6. An average of 65% in courses in Biology major in last three years of program.
7. An average of 60% over the entire 120-credit program.
8. 3 credits of Organic Chemistry must be included in one of the following categories: area of minor, science electives, or free electives.
9. 3 credits of Statistics (one of MATH1109, MATH2106, or PSYC2101) are required.

A four-year degree with a Biology major with honours requires:

1. Core Courses - 18 credits
 - 6 credits English at 1000 and/or 2000 level
 - 6 credits PHIL2221 and PHIL2223
 - 6 credits MATH: To fulfil the mathematics requirement students must include 3 credits from MATH1101, MATH1105, or MATH1109 PLUS 3 additional credits from any MATH course other than MATH1107, MATH1208, , MATH1114, MATH1215 and MATH1216.
2. Biology Major - 54 credits
 - 24 credits BIOL1101, BIOL1601, BIOL2101, BIOL2211, BIOL2503, BIOL3601, BIOL4900
 - 30 credits additional BIOL courses of which 15 credits must be at the 3000 level or higher, including at least 6 credits at the 4000 level.
3. Area of Minor - 12 credits
 - From a second discipline of science: CHEM, GEOL, MATH, MSIT, NUTR, PHYS, or PSYC.
4. Science Electives - 12 credits
 - Generally courses from BIOL, CHEM, GEOL, MATH, MSIT, NUTR, PHYS, and PSYC are acceptable - some exceptions exist.

5. Free Electives - 24 credits
6. An average of 75% in courses in Biology major in last three years of program.
7. An average of 70% over the entire 120-credit program.
8. 3 credits of Organic Chemistry must be included in one of the following categories: area of minor, science electives, or free electives.
9. 3 credits of Statistics (one of MATH1109, MATH2106, or PSYC2101) are required.

A four-year double major degree with Biology as the first major requires:

1. Core Courses - 18 credits
 - 6 credits English at 1000 and/or 2000 level
 - 6 credits PHIL2221 and PHIL2223
 - 6 credits MATH: To fulfil the mathematics requirement students must include 3 credits from MATH1101, MATH1105, or MATH1109 plus three additional credits from any MATH course other than MATH1107, MATH1208, MATH1114, MATH1215 and MATH1216.
2. Biology Major - 54 credits
 - 18 credits BIOL1101, BIOL1601, BIOL2101, BIOL2211, BIOL2503, BIOL3601.
 - 36 credits additional BIOL courses of which 21 credits must be at the 3000 level or higher, including at least 6 credits at the 4000 level.

3. Area of Second Major - 36 credits

- All from one science other than Biology (CHEM, GEOL, MATH, MSIT, NUTR, PHYS, or PSYC). If Math, then 6 credits of MATH in the core will be replaced by 6 credits of science electives.

*Must include at least 9 credits above the 2000 level, with at least 3 of these at the 4000 level.

4. Free electives - 12 credits

5. An average of 65% in courses in area of first major in last three years of program.

6. An average of 60% in courses in area of second major in last three years of program

7. An average of 60% over the entire 120 credit program.

8. 3 credits of Organic Chemistry must be included in one of the following categories: area of second major or free electives.

9. 3 credits of Statistics (one of MATH1109, MATH2106, or PSYC2101) must be included.

A degree with honours in the area of the first major and major in the area of the second major may be awarded where the additional requirements for the 4-year BSc degree with honours have been met.

toc: Chemistry

Chemistry

A three-year degree requires:

1. Core Courses - 18 credits

- 6 credits English at 1000 and/or 2000 level
- 6 credits PHIL2221 and PHIL2223
- 6 credits MATH: MATH1105 or MATH1203 and MATH1206

2. Chemistry Specialization - 36 credits

- 24 credits CHEM: CHEM1104, CHEM1105, CHEM2201, CHEM2203, CHEM2301, CHEM2303, CHEM2403, CHEM2501
- 12 credits additional CHEM with at least 6 credits beyond the 2000 level.

3. Other Science - 12 credits

- From a second discipline of science: BIOL, ENGI, GEOL, MATH, NUTR, PHYS, or PSYC.

4. Free Electives - 24 credits.

5. An average of 60% in courses in Chemistry specialization in last two years of program.

6. An average of 55% over the entire 90-credit program.

A four-year degree with a Chemistry major requires:

1. Core courses (18 credits)

- 6 credits English at 1000 and/or 2000 level
- 6 credits PHIL2221 and PHIL2223
- 6 credits MATH: MATH1105 or MATH1203 and MATH1206

2. Chemistry Major - 57 credits

- 27 credits CHEM: CHEM1104, CHEM1105, CHEM2201, CHEM2203, CHEM2301, CHEM2303, CHEM2403, CHEM2501, CHEM2601
- 27 credits additional CHEM to include 24 credits above the 2000 level of which at least 9 credits are at the 4000 level. Courses to include at least 3 of the 5 sub-disciplines for Chemistry (organic, inorganic, analytical, physical, biochemistry).

3. Area of minor - 12 credits

- From a second discipline of science: BIOL, ENGI, GEOL, MATH, NUTR, PHYS, or PSYC.

4. Science electives - 12 credits

- Generally courses from BIOL, CHEM, GEOL, MATH, NUTR, PHYS, and PSYC are acceptable.

5. Free electives - 24 credits

6. An average of 65% in courses in Chemistry major in last three years of program.

7. An average of 60% over the entire 120-credit program.

8. MATH1116, MATH2113 (CHEM3201), MATH2214 (CHEM3203), PHYS1104 and PHYS1204 must be included in 2, 3, 4 or 5 above.

A four-year degree with a Chemistry major with honours requires:

1. Core courses (18 credits)

- 6 credits English at 1000 and/or 2000 level
- 6 credits PHIL2221 and PHIL2223
- 6 credits MATH: MATH1105 or MATH1203 and MATH1206

2. Chemistry Major - 60 credits

- 27 credits CHEM: CHEM1104, CHEM1105, CHEM2201, CHEM2203, CHEM2301, CHEM2303, CHEM2403, CHEM2501, CHEM2601
- 27 credits additional CHEM to include 24 credits above the 2000 level of which at least 9 credits are at the 4000 level. Courses to include at least 3 of the 5 sub-disciplines of Chemistry (organic, inorganic, analytical, physical, biochemistry).
- 6 credits thesis (CHEM4900)

3. Area of Minor - 12 credits

- From a second discipline of science (BIOL, ENGI, GEOL, MATH, NUTR, PHYS, or PSYC).

4. Science Electives 12 credits

- Generally courses from BIOL, CHEM, GEOL, MATH, NUTR, PHYS, and PSYC are acceptable.

5. Free electives –18 credits.

6. An average of 75% in courses in Chemistry major in last three years of program.

7. An average of 70% over the entire 120-credit program.

8. MATH1116, MATH2113 (CHEM3201), MATH2214 (CHEM3203), PHYS1104 and PHYS1204 must be included in 2, 3, 4 or 5 above.

A four-year double major degree with Chemistry as the first major requires:

1. Core Courses (18 credits)

- 6 credits English at 1000 and/or 2000 level
- 6 credits PHIL2221 and PHIL2223

- 6 credits MATH: MATH1105 or MATH1203 and MATH1206

2. Chemistry Major - 54 credits

- 27 credits CHEM: CHEM1104, CHEM1105, CHEM2201, CHEM2203, CHEM2301, CHEM2303, CHEM2403, CHEM2501, CHEM2601
- 27 credits additional CHEM to include 24 credits above the 2000 level of which at least 9 credits are at the 4000 level. Courses to include at least 3 of the 5 sub-disciplines of Chemistry (organic, inorganic, analytical, physical, biochemistry).

3. Area of Second Major - 36 credits

- All from one science other than Chemistry (BIOL, GEOL, MATH, NUTR, PHYS, or PSYC). If Math, then 6 credits of Math in the core will be replaced by 6 credits of Science Electives.
- Must include at least 9 credits above the 2000 level, with at least 3 of these at the 4000 level.

4. Free Electives - 9 credits.

5. An average of 65% in courses in Chemistry major in last three years of program.

6. An average of 60% in courses in area of second major in last three years of program

7. An average of 60% over the entire 120-credit program.

8. MATH1116, MATH2113 (CHEM3201), MATH2214 (CHEM3203), PHYS1104 and PHYS1204 MUST be included in 2, 3, or 4 above.

A four-year double major degree with Chemistry as the first major with honours requires:

1. Core courses – 18 credits

- 6 credits English at 1000 and /or 200 level
- 6 credits PHIL2221 and PHIL2223
- 6 credits MATH: MATH1105 or MATH1203 and MATH1206

2. Chemistry Major – 57 credits

- 27 credits CHEM: CHEM1104, CHEM1105, CHEM2201, CHEM2203, CHEM2301, CHEM2303, CHEM2403, CHEM2501, CHEM2601
- 24 credits additional CHEM to include 21 credits above the 2000 level of which at least 9 credits are at the 4000 level. Courses to include at least 3 of the 5 sub-disciplines of Chemistry (organic, inorganic, analytical, physical, biochemistry).
- 6 credits thesis (CHEM4900)

3. Area of Second Major – 36 credits

- All from one science other than Chemistry (BIOL, GEOL, MATH, NUTR, PHYS, or PSYC). If MATH, then 6 credits of mathematics in the core will be replaced by 6 credits of Social Science Electives.
- Must include at least 9 credits above the 2000 level, with at least 3 of these at the 4000 level.

4. Free electives – 9 credits

5. An average of 75% in courses in Chemistry major in last three years of program.

6. An average of 70 % in courses in area of second major in last three years of program.

7. An average of 70% over the entire 120 credit program.

8. MATH1116, MATH2113 (CHEM3201), MATH2214 (CHEM3203), PHYS1104 and PHYS1204 MUST be included in 2, 3 or 4 above.

A degree with honours in the area of the first major and major in the area of the second major

may be awarded where the additional requirements for the 4-year BSc degree with honours have been met.

toc: Mathematics

Mathematics

Bachelor of Science – Three year

1. Core Courses - (non-math) (12 credits)

- 9 credits writing electives (approved BEng list)
- 3 credits of either PHIL2221 or PHIL2223

2. Mathematics - 36 credits

- 21 credits - MATH1204, MATH1105 (or MATH1203), MATH1206, MATH2101, MATH2103, MATH2208, and MATH2109
- 15 additional MATH credits with at least 12 credits at 3000 level or above (cannot use MATH1101, MATH1114, or MATH1215)

3. Other Science - 18 credits

- All from one science other than Mathematics BIOL, CHEM, ENGI, GEOL, NUTR, PHYS, or PSYC
- Economics and/or Business courses will be considered science for this section.

OR

- 12 credits in one science (other than Mathematics) and 6 credits in another science (other than Mathematics).

4. Free Electives - (24 credits)

5. An average of 60% in courses in Math specialization in last two years of program.

6. An average of 55% over the entire 90-credit program.

7. Computer proficiency must be shown using MATH1116.

Bachelor of Science – Four year Major

1. Core Courses - (non-math) (12 credits)

- 9 credits writing electives (approved BEng list)
- 3 credits of either PHIL2221 or PHIL2223

2. Mathematics Major - 54 credits

- 24 credits - MATH1204, MATH1105 (or MATH1203), MATH1206, MATH2101, MATH2103, MATH2106, MATH2208, and MATH2109
- 30 additional MATH credits of which at least 24 credits must be at 3000 level or above with at least 9 credits at the 4000 level (cannot use MATH1101, MATH1114, MATH1216 or MATH1215).

3. Area of Minor - 18 credits

- All from one science other than Mathematics (BIOL, CHEM, ENGI, GEOL, NUTR, PHYS, or PSYC)
- 12 credits in one science other than Mathematics (BIOL, CHEM, ENGI, GEOL, NUTR, PHYS, or PSYC) and 6 credits in another science (other than Mathematics). May be Economics or Business.
- Economics and/or Business will be considered science for this section.

4. Science Electives - 12 credits

5. Free Electives - 24 credits
6. An average of 65% in courses in Math major in last three years of program.
7. An average of 60% over the entire 120-credit program.
8. Computer proficiency must be shown using MATH1116.

Bachelor of Science – Four year Major with Honours

1. Core Courses - 12 credits

- 9 credits writing electives (approved BEng list)
- 3 credits of either PHIL2221 or PHIL2223

2. Mathematics Major - 54 credits

- 6 credits - MATH4900
- 24 credits - MATH1204, MATH1105 (or MATH1203), MATH1206, MATH2101, MATH2103, MATH2106, MATH2208, and MATH2109.
- 24 additional MATH credits of which at least 18 credits must be at 3000 level or above with at least 6 credits at the 4000 level not including MATH4900. (cannot use MATH1101, MATH1114, MATH1216 or MATH1215).

3. Area of Minor - 18 credits

- All from one science other than Mathematics (BIOL, CHEM, ENGI, GEOL, NUTR, PHYS, or PSYC)
- Economics and/or Business courses will be considered science for this section.

OR

- 12 credits in one science (other than Mathematics) and 6 credits in another science (other than Mathematics). May be Economics or Business.

4. Science Electives - 12 credits

5. Free Electives - 24 credits

6. An average of 75% in courses in Math major in last three years of program.
7. An average of 70% over the entire 120-credit program.
8. Computer proficiency must be shown using MATH1116.

Bachelor of Science – Four year Double Major with Mathematics as First Major

1. Core Courses - 12 credits

- 9 credits writing electives (approved BEng list)
- 3 credits either PHIL2221 or PHIL2223

2. Area of First Major - 54 credits

- 24 credits MATH: MATH1204, MATH1105 (or MATH1203), MATH1206, MATH2101, MATH2103, MATH2106, MATH2208, and MATH2109.
- 30 additional MATH credits of which at least 24 credits must be at 3000 level or above with at least 9 credits at the 4000 level (cannot use MATH1101, MATH1114, MATH1216 or MATH1215).

3. Area of Second Major - 36 credits.

- At least 9 credits must be above 2000 level with at least 3 credits at the 4000 level.

- All from one science other than Mathematics. May be Economics or Business.
- The requirements for a second major in Mathematics are the same as those for the Mathematics requirements in the 3-year degree.

4. Science Electives - 6 credits

5. Free Electives - 12 credits

6. An average of 65% in courses in area of first major in last three years of program.

7. An average of 60% in courses in area of second major in last three years of program

8. An average of 60% over the entire 120 credit program.

9. Computer proficiency must be shown using MATH1116.

A degree with honours in the area of the first major and major in the area of the second major may be awarded where the additional requirements for the 4-year BSc degree with honours have been met.

toc: Psychology

Psychology

A three-year degree requires:

1. Core Courses - 18 credits

- 6 credits English at 1000 and/or 2000 level
- 6 credits PHIL2221 and PHIL2223
- 6 credits MATH except MATH1107, MATH1208, , MATH1114, MATH1215 and MATH1216.

2. Psychology Specialization (36 credits)

- 18 credits required Psychology courses: PSYC1101 and PSYC1103 or 6 credits of Introduction to Psychology or equivalent, PSYC2101, PSYC2111, PSYC3101, and PSYC3213.
- 18 credits of other Psychology courses.

3. Other Science - 12 credits

- All from one science other than Psychology (BIOL, CHEM, GEOL, MATH, MSIT, NUTR, or PHYS).

4. Free Electives - 24 credits

5. An average of 60% in courses in Psychology Specialization in last two years of program.

6. An average of 55% over the entire 90-credit program.

7. Computer proficiency met with PSYC3101.

A four-year degree with a Psychology major requires:

1. Core Courses - 18 credits

- 6 credits English at 1000 and/or 2000 level
- 6 credits PHIL2221 and PHIL2223
- 6 credits MATH except MATH1107, MATH1208, , MATH1114, MATH1215 and MATH1216.

2. Psychology Major - 54 credits

- 27 credits required Psychology courses: PSYC1101 and PSYC1103 or 6 credits of Introduction to Psychology or equivalent, PSYC2101, PSYC2111, PSYC3101, PSYC3203, PSYC3211, PSYC3213,

and PSYC4101.

- Other Psychology courses (27 credits): Should include at least 6 credits at the 4000 level in addition to PSYC4101.
- In the event that students do not have the Directed Study course, any 6 credits at the 4000 level are acceptable.

3. Area of Minor - 12 credits

- All from one science other than Psychology (BIOL, CHEM, GEOL, MATH, MSIT, NUTR, or PHYS).

4. Science Electives - 12 credits

5. Free Electives - 24 credits

6. An average of 65% in courses in Psychology major in last three years of program.

7. An average of 60% over the entire 120-credit program.

8. Computer proficiency met with PSYC3101.

A four-year degree with a Psychology major with honours requires:

1. Core Courses - 18 credits

- 6 credits English at 1000 and/or 2000 level
- 6 credits PHIL2221 and PHIL2223
- 6 credits MATH except MATH1107, MATH1208, MATH1114, MATH1215 and MATH1216.

2. Psychology Major - 60 credits

- 33 credits required Psychology courses: PSYC1101 and PSYC1103 or 6 credits of Introduction to Psychology or equivalent, PSYC2101, PSYC2111, PSYC3101, PSYC3203, PSYC3211 PSYC3213, PSYC4101, and PSYC4900.
- 27 credits of other Psychology courses including at least 3 credits at the 4000 level in addition to PSYC4101 and PSYC4900).

3. Area of Minor - 12 credits

- All from one science other than Psychology (BIOL, CHEM, GEOL, MATH, MSIT, NUTR, or PHYS).

4. Science Electives - 12 credits

5. Free Electives - 18 credits

6. An average of 75% in courses in Psychology major in last three years of program.

7. An average of 70% over the entire 120-credit program.

8. Computer proficiency met with PSYC3101.

A four-year double major degree with Psychology as the first major requires:

1. Core Courses - 18 credits

- 6 credits English at 1000 and/or 2000 level
- 6 credits PHIL2221 and PHIL2223
- 6 credits MATH except MATH1107, MATH1208, MATH1114, MATH1215 and MATH1216.

2. Psychology Major - 54 credits

- 27 credits required Psychology courses: PSYC1101 and PSYC1103 or 6 credits of Introduction to Psychology or equivalent ., PSYC2101, PSYC2111, PSYC3203, PSYC3211, PSYC3101, PSYC3213, and PSYC4101.

- 27 credits other Psychology courses including at least 6 credits in the core at the 4000 level in addition to PSYC4101).

3. Area of Second Major - 36 credits

- All from one science other than Psychology. If Math, then 6 credits of Math in the core will be replaced by a 6 credit Science elective.

* Must include at least 9 credits above the 2000 level, with at least 3 of these at the 4000 level.

4. Free Electives - 12 credits

5. An average of 65% in courses in area of first major in last three years of program.

6. An average of 60% in courses in area of second major in last three years of program.

7. An average of 60% over the entire 120 credit program.

8. Computer proficiency met with PSYC3101.

A degree with honours in the area of the first major and major in the area of the second major may be awarded where the additional requirements for the 4-year BSc degree with honours have been met.

toc: Standard for Proficiency in Computing

Standard for Proficiency in Computing

A student may satisfy the requirement for computer proficiency in the BSc in either of the following ways:

Option 1

Successful completion of a course of at least three credits devoted to a programming language in widespread use in scientific applications.

Option 2

Successful completion of one or more courses which provides instruction, including supervised laboratory experience, in a variety of software applications in widespread use in the scientific community. The list of applications covered should number at least three. Among acceptable applications are data analysis, computer algebra, database management, spreadsheet applications, web page design and presentation software. (This list is not to be regarded as exclusive, and can be expected to require periodic revision.) While the course or courses may also include brief introductions to word processing, email and Internet applications, appropriate to the intended audience, this introductory material will not satisfy the requirements above.

Note: Option 2 is not available to students whose subject of concentration is Mathematics. Students who have significant computing experience from other programs, work experience, private study or other non-traditional sources, will receive appropriate consideration and will not be unreasonably required to take further courses in this area. The Department of Mathematics, Physics and Geology will have a special responsibility for establishing and maintaining access to an assessment procedure for students claiming credit for such computing experience.

toc: BSc Community Studies

Bachelor of Science Community Studies

ADMISSION TO THIS PROGRAM HAS BEEN SUSPENDED, PLEASE CONTACT THE SCHOOL OF SCIENCE AND TECHNOLOGY FOR MORE INFORMATION

The four-year Bachelor of Science Community Studies program requires the successful completion of 20 courses (120 credits) including eight core curriculum courses (48 credits), seven area of concentration

courses (42 credits), and five elective courses (30 credits). Students must also complete two work placements (voluntary or paid and each at least 120 hours); these do not count as credit courses in the BScCS.

toc: Admission Requirements

Admission Requirements

ADMISSION TO THIS PROGRAM HAS BEEN SUSPENDED, PLEASE CONTACT THE SCHOOL OF SCIENCE AND TECHNOLOGY FOR MORE INFORMATION

Required: Five Grade 12 advanced or academic courses including English; two Sciences (one of which must be Biology, Chemistry, or Physics); and Mathematics or pre-calculus Mathematics with an overall average of at least 65%. Recommended: Pre-calculus Mathematics.

Students may substitute one open course for one advanced or academic course except where a particular course is specified. Environmental Science 12 may be used as the second science with Biology, Chemistry or Physics.

It is strongly recommended that students contact CBU's Student Advisors to discuss their two work placements within the first year of their program.

CORE

Courses in the core must include the following Community Studies (COMS) courses:

COMS1100 Analysis and Decision Making (6 credits)

COMS2100 Applied Research (6 credits)

COMS3100 Community Intervention (6 credits)

Other courses in the core must satisfy the following topic and credit requirements:

1. Science and technology perspectives (6 credits)

Recommended: PHIL2222 or equivalent

2. World views and values (3 credits)

Recommended: PHIL2123 or equivalent

3. Aboriginal perspectives (3 credits)

Recommended MIKM at 1000 or 2000 level or equivalent

4. Business perspectives (3 credits)

Recommended: MGMT1601, MRKT1301 or equivalent

5. Public communication (3 credits)

Recommended: COMM1103 or COMM1105

6. Effective writing (6 credits)

Recommended: two of ENGL1104, ENGL1106, ENGL1107, ENGL1108 and ENGL1109 or equivalent.

7. Computer literacy (3 credits)

Recommended: PHIL1103, COMP1163, MGSC2101 or equivalent

8. Statistics (3 credits)

Recommended: MATH1109, MGSC1108, PSYC2101 or equivalent

Please contact either the Dean of Science and Technology or the Dean of Arts and Social Sciences for information on topic equivalents.

Area of Concentration

Courses in the area of concentration must include 18-24 credits from those deemed to be university sciences and six to eight term courses from those deemed to be technology. Overall, at least 15 credits must be at or beyond the 3000 level, including at least six at the 4000 level. The particular courses that make up an area of concentration are mandatory, with their identity varying according to the specific area of concentration in question.

Student's Electives

The student's electives allow a student to take courses that will customize his or her academic experience to best suit his or her particular interests upon graduation. Course possibilities include all academic offerings at CBU, but choices made by each student must be approved by a dean or designated faculty member to ensure they appropriately complement a student's interests and/or program integrity. Five courses (30 credits) are required. Possibilities also exist for a student to receive a maximum of one year of accreditation for community college transfer or prior learning assessment (PLA), interested individuals should check with the Student Service Centre or Dean's office.

Work Placements

The two required work placements must be arranged in consultation with a dean or a designated faculty member. These placements are over and above the 120 credits required to complete the program. CBU's Student Advisors, located in the Student Life Centre, will help arrange work terms and co-op placements for other degree and diploma programs, and will also provide assistance.

Graduation Eligibility

A student requires an overall average of 60% to be eligible to graduate from the Bachelor of Science Community Studies.

toc: Departmental Regulations

Departmental Regulations

toc: BScCS Concentration in Toqwa'tu'kl Kjijitaqnn/Integrative Science

BScCS Concentration in Toqwa'tu'kl Kjijitaqnn/MSI TI Integrative Science

ADMISSION TO THIS PROGRAM HAS BEEN SUSPENDED, PLEASE CONTACT THE SCHOOL OF SCIENCE AND TECHNOLOGY FOR MORE INFORMATION

Students wishing to enroll in this program must consult the Academic Vice Principal of Unama'ki College, the Chair of the Department of Indigenous Studies, the Dean of Science and Technology, the Dean of Arts and Social Sciences or the Student Service Centre for detailed program information.

PROGRAM DESCRIPTION

Toqwa'tu'kl Kjijitaqnn requires successful completion of 120 credits plus two work placements in a science or science related environment. The overall degree structure consists of four parts and each part was designed to provide opportunities to learn science.

Toqwa'tu'kl Kjijitaqnn requires successful completion of the following courses:

1. Core (science via small group topic choice in Community Studies courses)

- COMS1100 Analysis and Decision Making (6 credits)
- COMS2100 Applied Research (6 credits)
- COMS3100 Community Intervention (6 credits)
- Other courses in the core must satisfy the following topic and credit requirements:
- Science and technology perspectives (6 credits) Recommended: PHIL2222, or equivalent
- World views and values (3 credits) Recommended: PHIL2123 or equivalent
- Aboriginal perspectives (3 credits) Recommended MIKM at 1000; 2000 or 3000 level

2. Concentration

Science - 24 credits

- MSIT1101/MSIT1103 Sense of Place, Emergence & Participation
- MSIT2101/MSIT2103 Ways of Knowing
- MSIT3101/MSIT3103 Cycles & Holism
- MSIT4101/MSIT4103 Wholeness

Technology 18 credits

- CHEM1104/CHEM1105
- 6 credits from MATH1107/MATH1208, or PHYS1102
- 3 credits from GEOL1103, PUBH2103, PUBH2105 OR
- 3 credits from PUBH3101, PUBH3103, PUBH4106, or PUBH4111.

3. Electives (science via student's choice)

4. Work Placements (science via on-the-job experience)

Note: Changes to technology component are currently under review.

ELECTIVES in MS+T

MSIT courses may be used as electives within the BSc, BA, BACS and BBA degrees.

The Integrative Science courses were created for Toqwa'tu'kl Kijijitaqnn, to involve concurrent delivery of the Mi'kmaw world view and modern Western science, integrated at all levels. Their designation as MS+T (from the Mi'kmaw word MS+T, which means "everything together") refers to the holistic pedagogy which underpinned their creation, namely that education must utilize the whole mind while emphasizing relationships among the different dimensions of a human, between humans and nature and in nature. The common ground throughout all courses is "relationship", with attention paid to the understanding that a profound knowledge of relationships in nature was, and is, reflected in Mi'kmaw language and legends.

MSIT1101/MSIT1103 and MSIT2101/MSIT2103 are required in the first year. They provide students with the foundations needed to pursue further studies in modern science and to complement these foundations with understandings from the Aboriginal way of knowing. As such, they explore select aspects of the Mi'kmaw language and world view, current scientific thinking on consciousness, the major and unifying theories in natural science (cosmology, physics, chemistry, geology, biology), and the overall theoretical framework of modern natural science. MSIT1101/MSIT1103 emphasize the internal human environment, and MSIT2101/MSIT2103 the external human environment.

MSIT3101/MSIT3103 are required in third year; they explore cyclical and transformational dynamics of natural phenomena, both internal and external.

MSIT4101/MSIT4103 are required in fourth year; they explore wholeness and the health, disease, and healing dynamics of natural phenomena, both internal and external.

Additional, optional organism and ecosystem (biodiversity) MS+T courses exist at second and subsequent year levels. These are MSIT2505 and MSIT3105, and would be taken as student electives in the BScCS Toqwa'tu'kl Kijijitaqnn.

Note: MS+T courses are open to all students, regardless of program or ethnicity. For purposes other than the BScCS Toqwa'tu'kl Kijijitaqnn, MSIT1101, MSIT1103, MSIT2101, MSIT2103, MSIT3101, MSIT3103, MSIT4101, and MSIT4103 have been designated as science; MSIT2505,

and MSIT3105 as Biology, and MSIT221 as Geology.

toc: Bachelor of Engineering Technology

Bachelor of Engineering Technology

Cape Breton University (CBU) has a well-earned reputation for excellence in the development and delivery of technological education. The culmination of our expertise in this area is reflected in the innovative Bachelor of Engineering Technology (BET) Degree.

The BET Degree program prepares students to successfully meet the challenges and opportunities facing today's technical graduates. This Degree is available in five distinct technical disciplines:

- 1) [Chemical](#)
- 2) [Electronics & Controls](#)
- 3) [Environmental Studies](#)
- 4) [Manufacturing](#)
- 5) [Petroleum](#)

Note: The Bachelor of Engineering Technology degrees do not lead directly to a Professional Engineering designation.

toc: BET (Chemical)

Bachelor of Engineering Technology (Chemical)

The Bachelor of Engineering Technology in Chemical is a program with three or four year options. Combining theoretical principles with technical expertise, this degree takes an applied approach to not only chemical processes, but instrumentation and sample analyses. With great relevance to other fields of study such as engineering and nanotechnology, medicine and dentistry, food sciences and environmental sciences, the Chemical Engineering Technology programs provide a gateway into many interesting and opportunity-filled careers.

Students have great opportunities for hands-on research with state-of-the-art equipment, including a 400 MHz NMR spectrometer, FT-IR, FT-Raman, UV/Vis spectrometers, UPLC-MSMS/PAD, HPLC, GC-FID, GC-MS, atomic absorption spectrometer and a 28 core Linux cluster.

Program Options at CBU

The BET 3-year Chemical and 4-year Advanced Chemical programs are available through different pathways:

- Direct entry
- Advanced standing Post Diploma
- Advanced standing Post Degree

Post Diploma and Post Degree admissions will require a minimum of 50% of their BET degrees to be completed at CBU. Therefore a maximum of 45-credits (15, one term courses) may be transferred from an appropriate program at an approved post-secondary institution to the 3-year, 90-credit BET (Chemical) and a maximum of 60-credits (20, one term courses) may be transferred from an appropriate program at an approved post-secondary institution to the 4-year, 120-credit BET (Advanced Chemical).

Please see [Program Details](#) for more on the structure of this degree. Please see [Admission Requirements](#) for entry into this program.

Note: The BET degrees do not lead to a professional engineering designation.

toc: Admission Requirements

Admission Requirements

High School Graduates: Five Grade 12 advanced or academic courses including English, Mathematics and two sciences (Physics and Chemistry are recommended, with an overall average of at least 65%). Environmental Science 12 may be used as the second science with biology, chemistry or physics.

Diploma Graduates: Graduate of an approved community college diploma at the technologist level or Cape Breton University Engineering Technology graduate. CBU has agreements with many colleges which allow students entry with Advanced Standing .

Bachelor Degree Graduates: Graduate of a 3 or 4 year BSc which includes *MATH1105 (or equivalent) and CHEM1104 will be granted Advanced Standing in the BET Chemical program at CBU.

*MATH1105 or (MATH1101/1203) or (MATH1107/MATH1208/2104)

Partially Completed and other Diploma/Degree: Admissions and course selection will be done on an individual basis in consultation with an academic advisor from the Department of Chemistry.

toc: Program Requirements

BET (CHEMICAL) 3-yr and BET (ADVANCED CHEMICAL) 4-yr

Year One (Fall/Winter)

CHEM1104	General Chemistry I
CHEM1105	General Chemistry II
DRAF1163	Industrial Applications of Drafting
ENGI1161	Industrial Safety and Applied Shop Practices
ENGI1165	Engineering Graphics
ENGI1168	Fluid Mechanics
*MATH1107	Math I
*MATH1208	Math II
**PHYS1101	Elements of Physics I
**PHYS1201	Elements of Physics II

Year Two (Fall/Winter)

CHEM2301	Introductory Organic Chemistry I
GEOL2101	Engineering Geology
CHEM2403	Introductory Analytical Chemistry
*MATH2104	Mathematics III
COMM/ENGL	Communications or English Elective
CHEM2303	Introductory Organic Chemistry II
CHEM2404	Environmental Chemistry

COMP1163	Computer Applications (or MATH1116, Intro Comp w/C++)
CHEM2205	Technical Physical Chemistry
MATH1109 I)	Introductory Statistics (or MATH 2106, Elementary Mathematical Statistics I)

Year Three (Fall/Winter)

ENGI2103	Engineering Economics
CHEM2401	Industrial Chemistry
CHEM3403	Analytical Separations
ENGI2133	Environmental Engineering
CHEM3801	Directed Study in Chemistry (or BETW3989)
CHEM2501	Introductory Inorganic Chemistry
CHEM3404	Fundamentals of Chemical Engineering
CHEM3401	Analytical Spectroscopy
PETR3163	Process Control and Optimization Systems
*MATH2205	Mathematics IV

3 year degree may be granted*

THREE YEAR DEGREE MUST HAVE A MINIMUM OF 15-credits BEYOND 2000-Level as listed above

Year Four (Fall/Winter)

CHEM3501	Intermediate Inorganic Chemistry
ENVI3131	Environmental Impact Assessment I
PETR1131	Petroleum Production and Processing (or Dept Approved Elective)
CHEM4403	Advanced Topics in Analytical Chemistry
PUBH4107	Quality and Environmental Project Management
CHEM3301	Intermediate Organic Chemistry
CHEM4401	Polymer Chemistry
CHEM4405	Chemical Instrumentation Design & Troubleshooting
CHEM4801	Independent Project in Chemistry (or BETW4989)

Elective course Approved by Department of Chemistry

4 year Advanced degree or equivalent may be granted*

FOUR YEAR ADVANCED DEGREE MUST HAVE A MINIMUM OF 18-credits BEYOND 2000-Level as listed above

**PHYS1101/1201 may be replaced by PHYS1104/1204 (General Physics I & II)

*MATH1107/1208/2104/2205 OR (MATH1101/1203/2205 + 3cr Math Departmental Approved Electives)

OR (MATH1105/2205 + 6 cr Math Departmental Approved Electives)

*These programs do not lead to a professional engineering designation

toc: BET (Electronics & Controls)

Bachelor of Engineering Technology (Electronics & Controls)

Cape Breton University (CBU) has a well-earned reputation for excellence in the development and delivery of technological education. The culmination of our expertise in this area is reflected in the innovative Bachelor of Engineering Technology (BET) Degree.

The BET Degree program prepares students to successfully meet the challenges and opportunities facing today's technical graduates. This degree program combines theoretical principles with hands-on experience and technical courses related to electronics, instrumentation and computer control industry. Aspects unique to electrical engineering, analog/digital design, industrial instrumentation/control, microelectronics and wireless systems are emphasized.

Program Options

The BET 3-year Electronics and Controls and 4-year Advanced Electrical programs are available through different pathways:

- Direct entry
- Advanced standing Post Diploma
- Advanced standing Post Degree

Post Diploma and Post Degree admissions will require a minimum of 50% of their BET degrees to be completed at CBU. Therefore a maximum of 45-credits (15, one term courses) may be transferred from an appropriate program at an approved post-secondary institution to the 3-year, 90-credit BET (Electronics & Controls) and a maximum of 60-credits (20, one term courses) may be transferred from an appropriate program at an approved post-secondary institution to the 4-year, 120-credit BET (Advanced Electrical).

The BET (Electronics & Controls) degree is normally a three year (six academic term) program. Students wishing to start their careers early may choose to graduate with the Electrical Engineering Technology (Instrumentation and Controls) Diploma after successfully completing terms one to four.

Please see [Program Details](#) for more on the structure of this degree. Please see [Admission Requirements](#) for information on entry into the program.

Note: The Bachelor of Engineering Technology degrees do not lead directly to a Professional Engineering designation.

toc: Admission Requirements

Admission Requirements

High School Graduates: Five Grade 12 advanced or academic courses including English and Mathematics, and two other sciences (Physics is recommended); with an overall average of at least 65%.

Diploma/Degree Graduates: Appropriately accredited community college diploma at the technologist level or university science degree in electrical/electronics and closely related programs only. CBU has agreements with many colleges which specifies the matching programs and, in some cases, matching courses that allow transfer credits.

Partially Completed Diploma/Degree: Admissions and course selection will be done on an individual basis in consultation with an academic advisor from the Engineering Department.

toc: Program Requirements

THREE – YEAR DEGREE (90 Credits)

This format will NOT earn students the Diploma in Electrical Engineering Technology (Instrumentation & Controls)

51 credits core

ELEC1161	Fundamentals of Electricity I 3 credits
ELEC1164	Fundamentals of Electricity II 3 credits
ELEC1165	Analog Electronics 3 credits
ELEC2163	Linear Integrated Circuits 3 credits
ELEC2165	Signals & Controls 3 credits
ELEC2166	Industrial Electronics Circuits 3 credits
ELEC2167	Machines and Controls 3 credits
ELEC2168	Programmable Logic Controllers 3 credits
ELEC2169	Technical Thesis 3 credits
ELEC2361	Process Measurements I 3 credits
ELEC2363	Process Measurements II 3 credits
ELEC2365	Process Controls II 3 credits
ENGI1161	Shop Practice 3 credits
ENGI1165	Engineering Graphics 3 credits
ENGI1168 or ENGI2101	Fluid Mechanics or Engineering Economics 3 credits
ENGI2167	Engineering Digital Logic 3 credits

18 credits chosen from the following

ELEC3161	Embedded Operating Systems 3 credits
ELEC3163	Digital Signal Processing 3 credits
ELEC3164	Microelectronics Design Tools 3 credits
ELEC3165	Applied Integrated Circuit Systems 3 credits
ELEC3166	Applied Wireless Systems 3 credits
ELEC3167	Medical Instrumentation 3 credits
ELEC3737	Selected Topics in Electronics 3 credits

12 credits of Mathematics

Choose either: MATH1107, MATH1208, MATH2104 and MATH2205 or MATH1105 and MATH1206.
If students choose MATH1105 and MATH1206, an additional 6credits of electives must be earned. 12 credits

9 credits of recommended electives

PHYS1101 or PHYS1104 Elements of Physics or General Physics 3 credits
DRAF1163 Industrial Applications of Drafting 3 credits
COMM/ENGL Any Communication or English elective 3 credits

THREE -YEAR DEGREE (102 credits)

This degree format ALSO earns students the

Electrical Engineering Technology Diploma (Instrumentation & Controls)

Year One (Fall/Winter)

COMM/ENGL	Elective
COMP1163	Computer Applications
DRAF1163	Industrial Applications of Drafting
ELEC1161	Fundamentals of Electricity I
ELEC1164	Fundamentals of Electricity II
ELEC1165	Analog Electronics
ENGI1161	Industrial Safety and Applied Shop Practices
ENGI1165	Engineering Graphics
MATH1107	Math I
MATH1208	Math II
PHYS1101	Elements of Physics I
PHYS1201	Elements of Physics II

Year Two (Fall/Winter)

ENGI2167	Digital Logic
ELEC2163	Linear Integrated Circuits
ELEC2166	Industrial Electronic Circuits
ELEC2167	Machines and Controls
ELEC2168	Programmable logic Controllers
ELEC2169	Technological Thesis
ELEC2361	Process Measurements I
ELEC2363	Process Measurements II
ELEC2364	Process Controls I
ELEC2365	Process Controls II
MATH2104	Math III
MATH2205	Math IV

Students wishing to start their careers early may choose to graduate with a diploma in Electrical Engineering Technology (Instrumentation and Controls) after successfully completing all courses to this point.

Year Three (Fall/Winter)

ELEC2165	Signals & Controls
ELEC3161	Embedded Operating Systems

ELEC3163	Digital Signal Processing
ELEC3164	Microelectronic Design Tools
ELEC3165	Applied Integrated Circuit Systems
ELEC3166	Applied Wireless Systems or ELEC3167 (Medical Instrumentation)
ELEC3737	Selected Topics
ENGI2101/ENGI2103	Engineering Economics or Technical Engineering Economics
MATH1109	Statistics
MATH1206 or ENGI1168	Differential and Integral Calculus or Fluid Mechanics/Hydraulics

Transfer Credit:

CBU has an agreement with many colleges which results in transfer credit being given to specified Engineering Technology Diploma graduates, such that as few as 36 credits from CBU would be required to complete the BET Degree program. Prospective students are encouraged to contact their college for information on the agreement with CBU, or contact CBU directly. Where no agreement exists, individual consideration will be given to possible transfer credits. In any case, however, residency requirements must still be met.

CBU has an agreement with the NSCC that allows entry into year two of the Electrical Technology Diploma Program for graduates of related Technician programs. Prospective students are encouraged to contact their college for information on the agreement with CBU or to contact CBU directly.

Electives:

Selection of all electives must be done through prior consultation with a faculty advisor from the program.

Graduation Requirement:

Residence Requirements: Graduation with the degree (or diploma) normally requires that the student take a minimum of 50% of the program's required courses from CBU. CBU distance courses can be included to meet the residency requirements. Some joint programs, such as the articulation agreements previously noted in the Transfer Credit section, may allow special circumstances which differ from this minimum.

In the three year degree or two year diploma formats, a minimum of all courses in the program (or approved equivalent) must be completed to be eligible for graduation. Graduation with a co-op designation requires successful completion of a minimum of two co-op work terms.

Note: Sequencing of some courses may vary from the format shown above. Students should consult current timetables for scheduling details

toc: BET (Environmental Studies)

Bachelor of Engineering Technology (Environmental Studies)

This degree program combines theoretical principles with the hands-on experience and technical courses related to the understanding of biological, chemical, geological and engineering principles applied to the environment. Aspects unique to assessment of the quality of air, water and soil; the management of pollutants and waste products and sustainable development are emphasized. The Bachelor of Engineering Technology (Environmental Studies) Degree is normally a three year (six academic term) program.

Graduates from this program have successful careers in engineering consulting, with all levels of government and industry and in various public corporations.

Program Options

The BET 3-year Environmental Studies program is available through different pathways:

- Direct entry
- Advanced standing Post Diploma
- Advanced standing Post Degree

Post Diploma and Post Degree admissions will require a minimum of 50% of their BET degrees to be completed at CBU. Therefore a maximum of 51-credits (17, one term courses) may be transferred from an appropriate program at an approved post-secondary institution to the 3-year, 105 credit BET (Environmental Studies).

Please see [Program Details](#) for more on the structure of this degree. For more information on entry into this program please see [Admission Requirements](#).

Note: The Bachelor of Engineering Technology degrees do not lead directly to a Professional Engineering designation.

toc: Admission Requirements

Admission Requirements

High School Graduates: Five Grade 12 advanced or academic courses including English, Mathematics and two sciences (Physics and Chemistry are recommended, with an overall average of at least 65%). Environmental Science 12 may be used as the second science with biology, chemistry or physics.

Diploma Graduates: Graduate of an approved community college diploma at the technologist level or Cape Breton University Engineering Technology graduate. CBU has agreements with many colleges which allow students entry with Advanced Standing .

Bachelor Degree Graduates: Graduate of a 3 or 4 year BSc which includes *MATH1105 (or equivalent) and CHEM1104 will be granted Advanced Standing in the BET Environmental Studies program at CBU.

*MATH1105 or (MATH1101/1203) or (MATH1107/MATH1208/2104)

Partially Completed and other Diploma/Degree: Admissions and course selection will be done on an individual basis in consultation with an academic advisor from the Engineering Department.

toc: Program Requirements

Three-Year Degree

Year One (Fall/Winter)

CHEM1104	General Chemistry I
CHEM1105	General Chemistry II
DRAF1163	Industrial Applications of Drafting
ENGI1161	Industrial Safety and Applied Shop Practices
ENGI1165	Engineering Graphics
ENGI1168	Fluid Mechanics
MATH1107	Math I
MATH1208	Math II
PHYS1101	Elements of Physics I
PHYS1201	Elements of Physics II
PUBH1101	Cell Processes and Environmental Effects

PUBH2101	Municipal Services
Year Two (Fall/Winter)	
BIOL2503	Principles of Ecology
CHEM2404	Environmental Chemistry
COMM/ENGL	Elective
COMP1163	Computer Applications
ENVI2161	Air Pollution
ENVI2163	Occupational Hygiene
GEOL2101	Engineering Geology
GEOL3101	Hydrogeology
MATH1109	Introductory Statistics
MICR2101	Introductory Microbiology
MICR3103	Environmental Microbiology
PUBH4109	Waste Management
Year Three (Fall/Winter)	
ENGI2133/ENVI3136	Environmental Engineering or Engineering for Sustainable Development I
ENGI2101/ENGI2103	Engineering Economics or Technical Engineering Economics
ENVI3131	Environmental Impact Assessment I
ENVI3133	Environmental Impact Assessment II
ENVI3137	Engineering for Sustainable Development II
ENVI3138	Environmental Auditing
ENVI3831*	Environmental Research Project
PUBH4101	Risk Assessment in Public Health
PUBH4107	Quality and Environmental Project Management
XXX	Elective
XXX	Elective

* (A three credit course taken over two academic terms)

Courses in terms five and six, as well as some electives, may be taken by distance (online).

ADVANCED STANDING POST DIPLOMA FORMAT (36 CREDITS)

Students who have a qualifying Diploma are required to complete 36 credits of specified course loading. Students should consult the Engineering Department for detailed course advising.

ADVANCED STANDING POST DEGREE FORMAT (42 CREDITS)

Students who have a qualifying Bachelor's Degree are required to complete the following course loading.

Students must take all 12 courses (36 credits) listed below. Alternate credits will be required for students who may have completed any of the required credits as part of their previous Bachelor degree.

ENVI2161	Air Pollution
ENVI2163	Occupational Hygiene
ENVI3131	Environmental Impact Assessment I
ENVI3133	Environmental Impact Assessment II
ENVI3137	Engineering for Sustainable Development
ENVI3138	Environmental Site Assessment
ENVI3831	Senior Project
ENGI2101	Engineering Economics
ENGI2133	Environmental Engineering
GEOL2101	Engineering Geology
PUBH2101	Municipal Services
PUBH4109	Waste Management

From the courses listed below, the student must also choose any 2 courses (6 credits). Alternate credits will be required for students who may have completed any of the required credits as part of their previous Bachelor degree.

CHEM2404	Environmental Chemistry
DRAF1163	Applied AutoCAD
ENGI1165	Engineering Graphics
ENGI1168	Fluid Mechanics
GEOL3101	Hydrogeology
PUBH4101	Risk Assessment
PUBH4107	Environmental Project Management

Note: BET courses are offered on a fixed schedule. Some courses not in the mandatory list may cause conflicts in scheduling so not all optional courses may be available. Students are advised to consult the current timetable when making optional course selections to avoid any potential schedule conflicts.

Transfer Credit:

CBU has an agreement with many colleges which results in transfer credit being given to specified Engineering Technology Diploma graduates, such that as few as 36 credits from CBU would be required to complete the BET Degree program. Prospective students are encouraged to contact their college for information on the agreement with CBU or to contact CBU directly. Where no agreement exists, individual consideration will be given to possible transfer credits. In any case, however, residency requirements must still be met.

Electives:

Selection of all electives must be done through prior consultation with a faculty advisor from the program.

Graduation requirement:

Residence requirements: Graduation with the degree (or diploma) normally requires that the student take a minimum of 50% of the program's required courses from CBU. CBU distance courses can be included to meet the residency requirements. Some joint programs, such as the articulation agreements previously noted in the Transfer Credit section, may allow special circumstances which differ from this minimum.

For this three year program, a minimum of all courses in the program (or approved equivalent) must be completed to be eligible for graduation.

Note: Sequencing of some courses may vary from the format shown above. Students should consult current timetables for scheduling details.

toc: BET (Manufacturing)

Bachelor of Engineering Technology (Manufacturing)

This degree program combines theoretical principles with the hands-on experience and technical courses related to the manufacturing industry. Aspects unique to mechanical engineering, design, materials

properties, machines/robotics, along with quality, cost and human factors in manufacturing operations are emphasized. The program is available in a three year format.

The extraordinary quality of this program was nationally recognized for innovation by the 2003 Yves Landry Award, as Canada's Top Manufacturing Program.

Program Options

The BET Manufacturing degree is available through different pathways:

Advanced standing Post Diploma
Advanced standing Post Degree

Please see [Program Details](#) for more on the structure of this degree. Please see [Admission Requirements](#) for entry into this program.

Note: The Bachelor of Engineering Technology degrees do not lead directly to a Professional Engineering designation.

toc: Admission Requirements

Admission Requirements

Currently, applications will be accepted into the Manufacturing stage only, with the successful completion of an acceptable Technology diploma.

PLEASE NOTE THAT THE MECHANICAL ENGINEERING TECHNOLOGY DIPLOMA PROGRAM IS CURRENTLY UNDER REVIEW. INTERESTED STUDENTS SHOULD CONTACT THE ENGINEERING DEPARTMENT FOR FURTHER INFORMATION. The Bachelor of Engineering Technology Degree (Manufacturing) remains available to graduates of acceptable Technology Diploma Programs.

High School Graduates: Five Grade 12 advanced or academic courses including English and Mathematics and two sciences; (Physics is recommended) with an overall average of at least 65%.

Diploma/Degree Graduates: Appropriately accredited community college diploma at the technologist level or university science degree, where the programs are a reasonable match. CBU has agreements with many colleges which specifies the matching programs and, in some cases, matching courses that allow transfer credits. Contact the department for details.

Partially Completed Diploma/Degree: Admissions and course selection will be done on an individual basis in consultation with an academic advisor from the Engineering department.

toc: Program Requirements

THREE-year degree

Year One (Fall/Winter)

COMP1163	Computer Applications
DRAF1163	Industrial Applications of Drafting
ENGI1161	Industrial Safety and Applied Shop Practices
ENGI1163	Statics
ENGI1164	Strength of Materials
ENGI1165	Engineering Graphics
ENGI1168	Fluid Mechanics
ENGI1166	Dynamics

MATH1107	Math I
MATH1208	Math II
PHYS1101	Elements of Physics I
PHYS1201	Elements of Physics II

Year Two (Fall/Winter)

COMM/ENGL	Elective
MECH2161	Thermodynamics
MECH2164	CAD/CAM I
MECH2167	Machine Design I
MECH2168	Heating Ventilation and Air Conditioning
MECH2133	Tools Fixtures and Gauging
MECH2134	Machine Design II
MECH2137	Geometric Tolerancing
MECH2165	Metallurgy
MECH2166	Fluid Power
MECH2169	Robotics/CIM
MATH2104	Math III
MATH2205	Math IV

Students wishing to start their careers early may choose to graduate with the Mechanical Engineering Technology Diploma after successfully completing all courses to this point.

Year Three

POST DIPLOMA PROGRAM

MANF3131	Total Quality Management
MANF3133	Statistical Process Control
MANF3134	Manufacturing Processes and Standards
MANF3135	Production Cost Control
MANF3136	Competitive Manufacturing Studies
MANF3137	People in Manufacturing
MANF3138	Product Synthesis
XXX	Recommended Elective
XXX	Recommended Elective
XXX	Recommended Elective

ONE -year post-diploma format

For Diploma graduates of CBU, or of institutions that have an articulation agreement with CBU, completion of Year Three is required.

Transfer Credit:

CBU has an agreement with many colleges which results in transfer credit being given to specified Engineering Technology Diploma graduates such that as few as 30 credits from CBU would be required to complete the BET Degree program. Prospective students are encouraged to contact their college for information on the agreement with CBU or contact CBU directly. Where no agreement exists, individual consideration will be given to possible transfer credits. In any case, however, residency requirements must still be met.

Electives:

Selection of all electives must be done through prior consultation with a faculty advisor from the program

Graduation Requirement:

Residence requirements: Graduation with the degree (or diploma) normally requires that the student take a minimum of 50% of the program's courses from CBU. CBU distance courses can be included to meet the residency requirements. Some joint programs, such as the articulation agreements cited in the Transfer Credit section, may allow special circumstances which differ from this minimum.

- Diploma in Mechanical Engineering Technology: Successful completion of terms one to four.
- Degree in Bachelor of Engineering Technology (Manufacturing): Successful completion of terms one to six.
- Term five elective recommended: MATH1109 & COMM1105

toc: BET (Petroleum)

Bachelor of Engineering Technology (Petroleum)

This degree program combines theoretical principles with the hands-on experience and technical courses related to the offshore petroleum industry. Aspects unique to exploration, drilling, and production operations in the marine environment are emphasized. The program is available in a three year format.

Program Options

The BET 3-year Petroleum program is available through different pathways:

- Direct entry
- Advanced standing Post Diploma
- Advanced standing Post Degree

Post Diploma and Post Degree admissions will require a minimum of 50% of their BET degrees to be completed at CBU.

Please see [Program Details](#) for more on the structure of this degree. Please see [Admission Requirements](#) for information on entry into this program.

Note: The Bachelor of Engineering Technology degrees do not lead directly to a Professional Engineering designation.

toc: Admission Requirements

Admission Requirements

High School Graduates: Five Grade 12 advanced or academic courses including English, Mathematics and two other sciences; (Physics and Chemistry recommended) with an overall average of at least 65%.

Diploma Graduates: Graduate of an approved community college diploma at the technologist level or Cape Breton University Engineering Technology graduate. CBU has agreements with many colleges which allow students entry with Advanced Standing.

Bachelor Degree Graduates: Graduate of a 3 or 4 year BSc which includes *MATH1105 (or equivalent) and CHEM1104 will be granted Advanced Standing in the BET Petroleum program at CBU.

*MATH1105 or (MATH1101, MATH1203) or (MATH1107, MATH1208 MATH2104)

Partially completed diploma/degree: Admissions and course selection will be done on an individual

basis in consultation with an academic advisor from the Engineering Department.

toc: Program Requirements

Three-Year Format

Year One (Fall/Winter)

COMM / ENGL	Elective
COMP1163	Computer Applications
DRAF1163	Industrial Applications of Drafting
ENGI1161	Industrial Safety and Applied Shop Practices
ENGI1165	Engineering Graphics
ENGI1168	Fluid Mechanics
PETR1161	Drilling Engineering
PETR1131	Petroleum Product and Processing
MATH1107	Math 1
MATH1208	Math II
PHYS1101	Elements of Physics I
PHYS1201	Elements of Physics II

Year Two (Fall/Winter)

ENGI1163	Statics
GEOL2101	Engineering Geology
MATH2104	Math III
PETR2131	Marine Environment Protection, Safety and Loss Control
PETR2134	Materials and Equipment Design
PETR2135	Production Engineering
PETR2161	Reservoir Engineering I
PETR2163	Petroleum Process Simulation
PETR2164	Advanced Process Simulation
PETR2165	Senior Petroleum Project
ELEC2168	Programmable Logic Controllers
PETR2731	Selected Topics

Students wishing to start their careers early may choose to graduate with the Petroleum Engineering Technology Diploma after successfully completing all courses to this point.

Year Three (Fall/Winter)

ENGI2101	Engineering Economics or Technical Engineering Economics
MANF3131	Total Quality Management

MECH2166	Fluid Power
PETR3131	Management of Technological Innovation I
PETR3133	Project Design and Evaluation Techniques
PETR3134	Codes and Specifications in the Petroleum Industry
PETR3161	Management of Technological Innovation II
PETR3163	Process Control and Optimization Systems
PETR3164	Distributed Control Systems and PLC
XXX	Ethics Elective
XXX	Chemistry Elective

Substitution:

Note that ELEC2160 may be selected in place of both PETR3163 and one elective.

ADVANCED STANDING POST DIPLOMA FORMAT (36 CREDITS)

Students who have a qualifying Diploma are required to complete 36 credits of specified course loading. Students should consult the Engineering Department for detailed course advising.

ADVANCED STANDING POST DEGREE FORMAT (42 CREDITS)

Students who have a qualifying Bachelor's Degree are required to complete the following course loading. Students must take all 12 courses (36 credits) listed below. Alternate credits will be required for students who may have completed any of the required credits as part of their previous Bachelor degree.

GEOL2101	Engineering Geology
PETR1131	Petroleum Production
PETR1161	Drilling Engineering
PETR2135	Production Engineering
PETR2161	Reservoir Engineering
PETR2163	Process Simulation
PETR2165	Senior Project
PETR2731	Selected Topics
PETR3133	Project Design and Evaluation
PETR3161	Management of Technology II
PETR3163	Process Control
PETR3164	Distributed Control Systems

From the courses listed below, the student must also choose any 2 courses (6 credits). Alternate credits will be required for students who may have completed any of the required credits as part of their previous Bachelor degree.

ENGI1165	Engineering Graphics
ENGI1168	Fluid Mechanics
ENGI2101	Engineering Economics
PETR2131	Marine Environmental Protection
PETR2134	Materials & Equipment

Note: BET courses are offered on a fixed schedule. Some courses not in the mandatory list may cause conflicts in scheduling so not all optional courses may be available. Students are advised to consult the current timetable when making optional course selections to avoid any potential schedule conflicts.

Transfer Credit:

CBU has an agreement with many colleges which results in transfer credit being given to specified Engineering Technology Diploma graduates, such that as few as 36 credits from CBU would be required to complete the BET Degree program. Prospective students are encouraged to contact their college for information on the agreement with CBU or contact CBU directly. Where no agreement exists, individual consideration will be given to possible transfer credits. In any case, however, residency requirements must still be met.

Electives:

Selection of all electives must be done through prior consultation with a faculty advisor from the program.

Graduation requirement:

In the three year program, a minimum of all courses in the program (or approved equivalent) must be completed to be eligible for graduation. Graduation with a co-op designation requires successful completion of a minimum of two co-op work terms.

Residence requirements: Graduation with the degree (or diploma) normally requires that the student take a minimum of 50% of the program's required courses from CBU. CBU distance courses can be included to meet the residency requirements. Some joint programs, such as the articulation agreements previously noted in the Transfer Credit section may allow special circumstances which differ from this minimum.

Note: Sequencing of some courses may vary from the format shown above. Students should consult current timetables for scheduling details

toc: Bachelor of Engineering Transfer Program (Engineering Diploma)

Bachelor of Engineering Transfer Program (Engineering Diploma)

The Engineering transfer program is offered at CBU on an associate basis with Dalhousie University. CBU is one of the few associated universities to offer the first two years of all eight engineering disciplines which include; Chemical, Civil, Electrical & Computer, Environmental, Industrial, Mechanical, Material and Mineral Engineering.

The first year of the program is common for all eight discipline options. At the end of the first year the student must make a decision on a specialty. Application is made at this time to both CBU and Dalhousie for a seat in the particular discipline of choice.

During year two, the student is registered at both CBU and Dalhousie University. Providing the student satisfies the conditions in the acceptance letter at CBU for the specific year two discipline, continuation at Dalhousie University for year three of the four-year program is guaranteed.

Dalhousie engineering program regulations require a minimum of 2.00 GPA average in the 23 engineering courses taken at CBU.

Students should also be aware that a BSc in either Chemistry or Mathematics could be combined with the Engineering Diploma. This program requires three years of study at CBU, followed by two years at Dalhousie University.

Students in all Engineering options are required to write the Calculus Readiness Test for entry into the required MATH1105 or MATH1101 course. (See Calendar of Events) for exam times.

Please see [Program Details](#) for more on the structure of this degree. Please see [Admission Requirements](#)

for information on entry into the program.

Please use the table below to calculate your GPA.

GPA Grade Converter

From	To	Grade	Grade pts
90	100	A+	4.3
85	89	A	4
80	84	A-	3.7
77	79	B+	3.3
73	77	B	3
70	72	B-	2.7
65	69	C+	2.3
60	64	C	2
55	59	C-	1.7
50	54	D	1

toc:
Admission

Requirements

BLOB SEEMS EXCEPTIONALLY LARGE???

toc: Program Requirements

Year 1

Courses Required (For all options)

CHEM1104	General Chemistry I
CHEM1105	General Chemistry II
ENGI1101	Introduction to Professional Engineering
ENGI1165	Engineering Graphics
ENGI1167	Engineering Statics
MATH	¹ (MATH1105/MATH1206 or ² MATH1101/MATH1203/MATH1206)
MATH1116	Introduction to Computing with C++
PHYS1104	General Physics I
PHYS1204	General Physics II
6 credits	Humanities Elective (Writing Course)

Notes:

The Calculus Readiness Test must be written prior to MATH1105 or MATH1101 registration to determine the appropriate Math stream.

(See Calendar of Events in the CBU Academic Calendar for test dates.) <http://www.cbu.ca/academics/school-science-and-technology/calculus-readiness>

- ¹MATH1105/MATH1206 is Differential and Integral Calculus I & II.

- ²MATH1101/MATH1203 is Calculus with Elementary Functions and Geometry I & II.

Engineering Diploma, Year 2

Courses Required (For all options)

ENGI2101	Engineering Economics
ENGI2135	Engineering Design/Graphics
ENGI2166	Engineering Electric Circuits
ENGI2171	Thermo-Fluid Engineering I
MATH1204	Introduction to Matrix Algebra
MATH2106	Elementary Mathematical Statistics I
MATH2109	Multivariate Calculus
MATH2208	Differential Equations I

Plus 3 Discipline Specific Courses as Indicated Below:

Chemical, Environmental and Materials Engineering

ENGI2133	Environmental Engineering
ENGI2165	Fundamentals of Chemical Engineering
ENGI2174	Environmental Science

Civil Engineering

ENGI2169	Engineering Mechanics of Deformable Bodies
ENGI2173	Thermo-Fluid Engineering II
GEOL2101	Engineering Geology

Electrical Engineering

ENGI2167	Engineering Digital Logic
ENGI2168	Circuit Analysis
ENGI2174	Environmental Science

Industrial Engineering

6 credits from ; ENGI2167 / ENGI2168 / ENGI2165 / ENGI2133 / ENGI2163 / ENGI2173

3 credits from either GEOL2101 or ENGI2174

Mechanical Engineering

ENGI2163	Dynamics
ENGI2173	Thermo-Fluid Engineering II

Mineral Resources Engineering

ENGI2169

Engineering Mechanics of Deformable Bodies

GEOL2101

Engineering Geology

XXX (3cr)

Writing elective

toc: Bachelor of Arts and Science in Environment

toc: Program Options

Program Options:

4-Year BAS Environment (120 Credits)

- Foundational courses (30 credits)
- Science Concentration Electives (30 credits)
- Arts Concentration Electives (30 credits)
- ENVS Core (24 credits)
- Capstone project (6 credits)

4-Year BAS Environment, Honours (120 credits)

- Foundational courses (30 credits)
- Science Concentration Electives (30 credits)
- Arts Concentration Electives (30 credits)
- ENVS Core (24 credits)
- Honours Project (6 credits)

Environmental Assessment Certificate option (9 credits*)

- Environmental Impact Assessment I, Environmental Impact Assessment II, Environmental Auditing

*this Certificate requires 6 extra credits above and beyond the 120 needed for the degree

Arts Concentrations:

The arts concentrations were designed to help students build a coherent body of knowledge and skills within a field of their interest while helping them focus on post-graduate paths they might pursue. There is a great deal of flexibility within these streams.

1. Science and Citizenship (selections from Philosophy, Mi'kmaq Studies, Anthropology and Sociology, and Political Science)
2. Nature, Culture, Communication (selections from English, Mi'kmaq Studies – linguistics, Communication, Anthropology and Sociology, French, Sports and Physical Activity Leadership)
3. Environmental Humanities (selections from English, History, Mi'kmaq Studies, Humanities, Philosophy)

Science Concentrations:

The science concentrations were designed to give students enough in-depth knowledge in one area of the sciences so that they can be scientifically literate and competent. Because science courses often build on each other and have important prerequisites, there is much less flexibility within these concentration streams. Students may choose from pathways in:

1. Biology
2. Chemistry

3. Math
4. Psychology

Environmental Studies Core:

These courses have been specially-designed for the BAS Environment according to five Guiding Principles. Each course shall: 1) Emphasise Indigenous perspectives; 2) Focus on interdisciplinarity; 3) Spotlight cutting edge and exciting material from multiple sectors and in diverse forms; 4) Concentrate on research methods and research ethics; 5) Emphasise writing and communication. The theme of each course will be determined by a professor's research interests and the topical environmental issues of the day.

ENVS1101 The Art and Science of Environmental Studies
 ENVS2101 Canadian Environmental Perspectives
 ENVS2103 Intersectional Environmental Science
 ENVS3101 Environmental writing: past and present
 ENVS3103 Environment and Business
 ENVS3104 Field Course in Environmental and Community Issues
 ENVS4101 Sustainability, Resources, and Environment
 ENVS4103 Global Environmental Perspectives
 ENVS4802 Environmental Solutions: Capstone Project (6 credits)
 OR
 ENVS4900 Honours Project (6 credits)

toc: Academic Program Regulations for BAS Environment Degree

Bachelor of Arts and Science in Environment (BAS in Environment) (Honours)

Four-year, 120 credit degree with HONOURS

- Core courses: 8 ENVS core courses (24 credits)
- Honours or Capstone: 6 credit Honours thesis project OR 6 credit Capstone project course.
- Foundational courses: 10 courses (30 credits)
- Science Concentration: 10 courses (30 credits) in science concentration with 4 courses (12 credits) at 3000/4000 level)
- Arts Concentration: 10 courses (30 credits) in arts concentration with 4 courses (12 credits) at 3000/4000 level)
- Maximum 1000-level: 15 courses (45 credits) in total; 7 (21 credits) as mandatory courses (ENVS and foundational), 2 – 4 courses (6 – 12 credits) in science concentration, 2 – 4 courses (6 – 12 credits) in arts concentration.
- Minimum 3000/4000 level: 15 courses (45 credits), 4 courses (12 credits) in the science concentration, and 4 courses (12 credits) in the arts concentration, and 5 ENVS core courses (15 credits) and an Honours thesis or Capstone project (6 credits).

Environmental courses (ENVS) (24 + 6 credits)

- ENVS1101 The Art and Science of Environmental Studies
- ENVS2101 Canadian Environmental Perspectives
- ENVS2103 Intersectional Environmental Science
- ENVS3101 Environmental writing: past and present
- ENVS3103 Environment and Business
- ENVS3104 Field Course in Environmental and Community Issues (OR BIOL Field)
- ENVS4101 Sustainability, Resources, and Environment
- ENVS4103 Global Environmental Perspectives
- ENVS4802 Environmental Solutions: Capstone Project OR ENVS 4900 Honours Project

Foundational courses (30 credits)

- 6 credits of ENGL (with the exception of ENGL2601, 2604, 2605, 2623, 2625, 3621, 3623)
- 9 credits GEOL 1105, GEOL1205, and GEOL2103 or GEOL3101 (GEOL2101 can be used for GEOL1105)
- 6 credits MATH1109 (or MATH1105) and MATH1211 (or MATH1206)
- 3 credits ENVI3131 or ENVI3138

- 3 credits from PHIL2107 or PHIL2221 or PHIL2223 or PHIL2104
- 3 credits in MIKM

*In CHEMISTRY CONCENTRATION MATH1105 and MATH1206 are recommended and will replace MATH1109 and MATH1211

*In the Mathematics concentration MATH1105 and MATH1206 are required and will replace MATH1109 and MATH1211

*In the Psychology concentration students can receive credit for MATH1109, MATH1211, PSYC2101 and PSYC2111 OR PSYC2111 can replace MATH1109 and MATH1211 if students take 6 additional MATH credits.

*In Biology concentration students can receive credit for MATH1211 and BIOL3101 OR replace MATH1211 with BIOL3101 and take 3 additional MATH credits

SCIENCE CONCENTRATION: pick one from BIOL, CHEM, MATH, PSYC

- Pick 10 courses (30 credits) in a science concentration with at least 4 courses (12 credits) at 3000/4000 level)
- Students have to make sure that prerequisites for upper courses are taken into account when choosing 1000 and 2000 level options.
- Within each subject area there may be specific required courses to continue in that area.
- The courses listed below are all recommended options, others can be used as well.

BIOLOGY CONCENTRATION

- 15 credits - BIOL1101, BIOL1601, BIOL2503, BIOL2504, BIOL3523
- 15 credits - choose any BIOL courses at 2000 level and up, with at least 3 courses at 3000 and 4000 level.
- MICR2101 can be used as BIOL credit
- Recommended: BIOL2301, BIOL2411, BIOL3101, BIOL3331, BIOL3431, BIOL3451, BIOL3501, BIOL4501, BIOL4505, BIOL4241, BIOL4431, BIOL4453 (any others acceptable too)

CHEMISTRY CONCENTRATION

- 21 credits - CHEM1104, CHEM1105, CHEM2301, CHEM2303, CHEM2403, CHEM2501, CHEM3401 or CHEM3403
- 9 credits - choose any three CHEM courses at 3000 and 4000 level.
- Recommended: CHEM2401, CHEM 2404, CHEM3301, CHEM3501, CHEM4301, CHEM4403, CHEM4501, CHEM4401

MATHEMATICS CONCENTRATION

- Note: MATH1105 replaces MATH 1109 and MATH1206 replaces MATH1211 in the Foundational Courses
- 18 credits - MATH1204, MATH2101, MATH2103, MATH2106, MATH2109, MATH2208
- 12 credits - choose any four MATH courses at 3000 and 4000 level

PSYCHOLOGY CONCENTRATION

- 15 credits - PSYC1101, PSYC1103, PSYC2701, PSYC2401, PSYC3304
- 15 credits - choose any PSYC courses at 2000 level and up, with at least 3 courses at 3000 and 4000 level.
- Recommended: PSYC2101, PSYC2111, PSYC2253, PSYC3304, PSYC3101, PSYC3401 (any others acceptable too)

Arts/Humanities/Social Science Concentration

- Pick 10 courses (30 credits) in an arts concentration with at least 4 courses (12 credits) at 3000/4000 level)
- Students have to make sure that prerequisites for upper courses are taken into account when choosing 1000 level options.

SCIENCE AND CITIZENSHIP (Anthropology and Sociology, Mi'kmaq Studies, Philosophy, Political Science)

- 6 to 12 credits at 1000 level

- 18 to 24 credits at 2000 level and above, c with at least 12 credits (4 courses) at 3000 and 4000 level
- Course choices from PHIL, MIKM, POLS, AN/S

NATURE, CULTURE, COMMUNICATION (Mi'kmaq Studies - linguistics, Communication, English, French, Sport and Physical Activity Leadership, Anthropology and Sociology)

- 6 to 12 credits at 1000 level
- 18 to 24 credits at 2000 level and above, c with at least 12 credits (4 courses) at 3000 and 4000 level
- Course choices from MIKM, COMM, ENGL, FRNC, SPAL, AN/S

ENVIRONMENTAL HUMANITIES (English, History, Mi'kmaq Studies, Humanities)

- 6 to 12 credits at 1000 level
- 18 to 24 credits at 2000 level and above, with at least 12 credits (4 courses) at 3000 and 4000 level
- Course choices from MIKM, ENGL, HIST, HUMA

Honours

- 6 credits ENVS4900
- An average of 75% in the concentration of the thesis topic (either science or arts) for all 2nd year level and higher courses
- An overall average of 70% average in their program for 2nd year and above
- Honours degrees are only awarded to graduating students with an overall average of 70% or above

Environmental Assessment Certificate option

- 9 credits ENVI3131, ENVI3133, ENVI3138
 - This option has 6 credits "extra to degree"
- Bachelor of Arts and Science in Environment (BAS in Environment) (MAJOR)

Four-year 120 credit degree MAJOR

- Maximum 1000-level: 15 courses (45 credits) in total; 7 (21 credits) as mandatory courses (ENVS and foundational), 2 – 4 courses (6 – 12 credits) in science concentration, 2 – 4 courses (6 – 12 credits) in arts concentration.
- Minimum 3000/4000 level: 15 courses (45 credits), 4 courses (12 credits) in the science concentration, and 4 courses (12 credits) in the arts concentration, and 5 ENVS core courses (15 credits) and an Honours thesis or Capstone project (6 credits).
- Core courses: 8 ENVS core courses (24 credits)
- Honours or Capstone: 6 credit Honours thesis project OR 6 credit Capstone project course.
- Foundational courses: 10 courses (30 credits)
- Arts Concentration: 10 courses (30 credits) in arts concentration with 4 courses (12 credits) at 3000/4000 level)
- Science Concentration: 10 courses (30 credits) in science concentration with 4 courses (12 credits) at 3000/4000 level). Two courses (6 credits) may be in a science outside of concentration but 3000/4000 level requirements will still apply. (The concentration will not be a science teachable for secondary school anymore, 30 credits are required for that.)

Environmental courses (ENVS) (24 + 6 credits)

- ENVS1101 The Art and Science of Environmental Studies
- ENVS2101 Canadian Environmental Perspectives
- ENVS2103 Intersectional Environmental Science
- ENVS3101 Environmental writing: past and present
- ENVS3103 Environment and Business
- ENVS3104 Field Course in Environmental and Community Issues (OR BIOL Field)
- ENVS4101 Sustainability, Resources, and Environment
- ENVS4103 Global Environmental Perspectives
- ENVS4802 Environmental Solutions: Capstone Project OR ENVS 4900 Honours Project

Foundational courses (30 credits)

- 3 credits from ENGL1104 or ENGL1107 or ENGL1109
- 3 credits from ENGL1106 or ENGL1108
- 9 credits GEOL1105, GEOL1205, and GEOL2103 or GEOL3101 (GEOL2101 can be used for GEOL1105)
- 6 credits MATH1109 (or MATH1105) and MATH1211 (or MATH1206)

- 3 credits ENVI3131 or ENVI3138
- 3 credits from PHIL2107 or PHIL2221 or PHIL2223 or PHIL2104
- 3 credits in MIKM

*In Chemistry concentration MATH1105 and MATH1206 are recommended and will replace MATH1109 and MATH1211

*In the Mathematics concentration MATH1105 and MATH1206 are required and will replace MATH1109 and MATH1211

*In the Psychology concentration students can receive credit for MATH1109, MATH1211, PSYC2101 and PSYC2111 OR PSYC2101 and PSYC2111 can replace MATH1109 and MATH1211 if students take 6 additional MATH credits.

*In Biology concentration students can receive credit for MATH1211 and BIOL3101 OR replace MATH1211 with BIOL3101 and take 3 additional MATH credits

Science Concentration: pick one from BIOL, CHEM, MATH, PSYC

- Pick 10 courses (30 credits) in a science concentration with at least 4 courses (12 credits) at 3000/4000 level)
- Students have to make sure that prerequisites for upper courses are taken into account when choosing 1000 and 2000 level options.
- Within each subject area there may be specific required courses to continue in that area.
- The courses listed below are all recommended options, others can be used as well.

BIOLOGY CONCENTRATION

- 15 credits - BIOL1101, BIOL1601, BIOL2503, BIOL2504, BIOL3523
- 15 credits - choose any BIOL courses at 2000 level and up, with at least 3 courses at 3000 and 4000 level.
- MICR2101 can be used as BIOL credit.
- Recommended: BIOL2301, BIOL2411, BIOL3101, BIOL3331, BIOL3431, BIOL3451, BIOL3501, BIOL4501, BIOL4505, BIOL4241, BIOL4431, BIOL4453 (any others acceptable too)

CHEMISTRY CONCENTRATION

- 21 credits - CHEM1104, CHEM 1105, CHEM 2301, CHEM 2303, CHEM 2403, CHEM 2501, CHEM 3401 or CHEM 3403
- 9 credits - choose any three CHEM courses at 3000 and 4000 level.
- Recommended: CHEM 2401, CHEM 2404, CHEM 3301, CHEM 3501, CHEM 4301, CHEM 4403, CHEM 4501, CHEM 4401

MATHEMATICS CONCENTRATION

- Note: MATH1105 replaces MATH1109 and MATH1206 replaces MATH1211 in the Foundational Courses
- 18 credits - MATH1204, MATH2101, MATH2103, MATH2106, MATH2109, MATH2208
- 12 credits - choose any four MATH courses at 3000 and 4000 level

PSYCHOLOGY CONCENTRATION

- 15 credits - PSYC1101, PSYC1103, PSYC2XXX Environmental Psychology (NEW), PSYC2401, PSYC3304
- 15 credits - choose any PSYC courses at 2000 level and up, with at least 3 courses at 3000 and 4000 level.
- Recommended: PSYC2101, PSYC2111, PSYC2253, PSYC3304, PSYC3101, PSYC3401 (any others acceptable too)

Arts/Humanities/Social Science Concentration

- Pick 10 courses (30 credits) in an arts concentration with at least 4 courses (12 credits) at 3000/4000 level)
- Students have to make sure that prerequisites for upper courses are taken into account when choosing 1000 level options.

SCIENCE AND CITIZENSHIP (Anthropology and Sociology, Mi'kmaq Studies, Philosophy, Political Science)

- 6 to 12 credits at 1000 level
- 18 to 24 credits at 2000 level and above, c with at least 12 credits (4 courses) at 3000 and 4000 level
- Course choices from PHIL, MIKM, POLS, AN/S

NATURE, CULTURE, COMMUNICATION (Mi'kmaq Studies - linguistics, Communication, English, French, Sport and Physical Activity Leadership, Anthropology and Sociology)

- 6 to 12 credits at 1000 level
- 18 to 24 credits at 2000 level and above, c with at least 12 credits (4 courses) at 3000 and 4000 level
- Course choices from MIKM, COMM, ENGL, FRCH, SPAL, AN/S

ENVIRONMENTAL HUMANITIES (English, History, Mi'kmaq Studies, Humanities)

- 6 to 12 credits at 1000 level
- 18 to 24 credits at 2000 level and above, with at least 12 credits (4 courses) at 3000 and 4000 level
- Course choices from MIKM, ENGL, HIST, HUMA

Capstone project

- 6 credits
- Required if students do not enroll in Honours project

Environmental Assessment Certificate option

- 9 credits ENVI3131, ENVI3133, ENVI3138
- This option has 6 credits "extra to degree"

toc: Combined Programs

Combined Programs

All students in any of the following programs (see below) are required to write the Calculus Readiness Test.

toc: BSc in Mathematics jointly with the Engineering Diploma

BSc (Biology or Chemistry or Mathematics) jointly with the Engineering Diploma

The three-year BSc degree in Biology or Chemistry or Mathematics can be combined with any option in the Engineering program, enabling the student to earn two degrees (BSc and BEng) in five years of study, three at CBU and two at Dalhousie. Where courses are listed specifically, they are required for one or both programs. Some changes can be made in the order of electives and core courses and in the division of 2000-level Engineering courses between years two and three.

YEAR ONE (combined with all Engineering Diploma options except Chemical)

ENGI1165/ENGI1167

MATH1105/MATH1206 (or MATH1101/MATH1203/MATH1206)

MATH1116

PHYS1104/PHYS1204

English 6 credits

PHIL2221 or PHIL2223

YEAR ONE (combined with Engineering Diploma, Chemical)

ENGI1165/ENGI1167

MATH1105/MATH1206 (or MATH1101/MATH1203/MATH1206)

MATH1116

CHEM1104, CHEM1105

PHYS1104/PHYS1204

English 6 credits

YEAR TWO (combined with Engineering Diploma, Biological)

MATH2101

MATH2109/MATH2208

MATH2106/MATH1204

BIOL1101/BIOL1601

CHEM1104, CHEM1105

ENGI2101

ENGI2169 or GEOL1101/GEOL1201

3 credit free elective

YEAR THREE (combined with Engineering Diploma, Biological)

6 credits Mathematics at 3000 level or above

MATH2103

PHIL2221, and PHIL2223

ENGI2164/ENGI2131

ENGI2166

6 credit elective

YEAR TWO (combined with Engineering Diploma, Chemical)

MATH2101

MATH2109/ MATH2208

MATH2106/ MATH1204

CHEM2301

ENGI2133/ENGI2131

6 credits elective

YEAR THREE (combined with Engineering Diploma, Chemical)

6 credits Mathematics at 3000 level or above

MATH2103

PHIL2221 and PHIL2223

ENGI2164 / ENGI2165

ENGI2166

6 credits free elective

YEAR TWO (combined with Engineering Diploma, Civil or Industrial)

MATH2101

MATH2109 / MATH2208

MATH2106/MATH1204

CHEM1104, CHEM1105

ENGI2101

ENGI2163

3 credit free elective

YEAR THREE (combined with Engineering Diploma, Civil)

6 credits Mathematics at 3000 level or above

MATH2103

PHIL2221 , PHIL2223

ENGI2164 / ENGI2131

ENGI2166

9 credits of electives

YEAR THREE (combined with Engineering Diploma, Industrial)

6 credits Mathematics at 3000 level or above

MATH2101

MATH2103

PHIL2221 , PHIL2223

ENGI2164

ENGI2166

6 credits free elective (preferably in winter term)

YEAR TWO (combined with Engineering Diploma, Electrical)

MATH2101

MATH2109 / MATH2208

MATH2106 / MATH1204

CHEM1104, CHEM1105

ENGI2167

ENGI2166 / ENGI2168

3 credit free elective

YEAR THREE (combined with Engineering Diploma, Electrical)

6 credits Mathematics at 3000 level or above

MATH1217

MATH2103/MATH2211

PHIL2222

ENGI2164/ENGI2135

6 credit Social Science core requirement

YEAR TWO (combined with Engineering Diploma, Mechanical or Mining)

MATH2101

MATH2109/MATH2208

MATH2106/MATH1204

CHEM1104, CHEM1105

ENGI2101/ENGI2169

ENGI2163

3 credit free elective

YEAR THREE (combined with Engineering Diploma, Mechanical or Mining)

6 credits Mathematics at 3000 level or above

MATH2103

PHIL2221 and PHIL2223

ENGI2164/ENGI2131

ENGI2166/ENGI2135

6 credits electives

YEAR TWO (combined with Engineering Diploma, Metallurgical)

MATH2101

MATH2109/MATH2208

MATH2106/MATH1204

CHEM1104, CHEM1105

ENGI2101/ENGI2169

ENGI2135

3 credit free elective

YEAR THREE (combined with Engineering Diploma, Metallurgical)

6 credits Mathematics at 3000 level or above

MATH2103

PHIL2221 and PHIL2223

ENGI2164/ENGI2131

ENGI2166/ENGI2133

6 credits electives

Caution: Because of prerequisite arrangements in Mathematics, MATH1204 must be taken no later than the fourth semester. It is therefore NOT generally possible to complete the standard Engineering diploma,

then spend an additional year to earn a BSc, in areas that require MATH1204.

toc: BSc Chemistry with Engineering

BSc Chemistry with Engineering

With the equivalent of three years of study, a student may satisfy the requirements for the BSc with specialization in Chemistry, as well as an Engineering Diploma (transfer program). In addition to engineering and other courses, it requires 36 credits of Chemistry with 9 credits at the 3000 levels or above.

YEAR ONE

MATH1105 (or MATH1101, MATH1203), MATH1206, MATH1116

CHEM1104, CHEM1105

PHYS1104, PHYS1204

ENGI1165, ENGI1167

YEAR TWO and THREE

MATH1204, MATH2106, MATH2208, MATH2109

CHEM2201, CHEM2203, CHEM2301, CHEM2303, CHEM2401, CHEM2501, CHEM2403; plus 9 credits at 3000 level or above.

ENGI2164, ENGI2165 (cross-listed as CHEM3401, can be counted as 3 credits at 3000 level), ENGI2166, ENGI2131, ENGI2133

Core Courses – 12 credits

6 credits English 1000 and/or 2000 level

6 credits PHIL or HUMA/PHIL2222, or 3 credits HUMA/Social Science and 3 credits of a 2000 – level PHIL. PHIL2222 is highly recommended. A social science is ANTH, AN/S, ECON, POLS, SOCO or PSYC.

toc: BSc in Mathematics with Computing Science

BSc in Mathematics with Computing Science

Only Year One of Computer Science is offered.

YEAR ONE

MATH1105 (or MATH1101, MATH1203), MATH1206 (*), MATH2101, MATH1204, MATH1116, MATH1217

6 credits English at 1000 and/or 2000 level

One full course equivalent in a Science other than Mathematics

YEAR TWO

MATH2103, MATH2109/MATH2208, 6 credits further in MATH

HUMA 3 credits

One semester of close cognates (MATH2211 recommended)

One full course equivalent in a Science other than Mathematics

One full course equivalent in the Social Sciences

(see NOTE below)

YEAR THREE

Three semesters of close cognate courses

Two semesters of Mathematics at the 3000-level or above

PHIL2222

One full course equivalent in a Science other than Mathematics

One full course equivalent in an Arts subject

MATH2211 and one of MATH1109 or MATH2106 should be included.

All students in this program are required to write the Calculus Readiness Test. In Bachelor of Computer Science, BSc (Mathematics) with Engineering or Computer Sciences and BSc (Chemistry) with Engineering, students entering with Mathematics 12 (academic) from Grade 12 or who do not meet the required standard on the required Calculus Readiness Test, should substitute MATH1101 and MATH1203 for MATH1105 and expect to complete MATH1206 at spring session after the first year.

toc: Other Science Programs

Other Science Programs

CBU offers courses in geology, physics, nutrition, and computing science that provide the foundation for a degree in those disciplines at other institutions. Each discipline has specific program requirements, so consult with the other institution about those specific program requirements.

For most B.Sc. degrees, two years of courses from CBU can be transferred to another institution. Be aware that CHEM1104/CHEM1105 and MATH1105/MATH1206 are the first year courses in chemistry and mathematics that are consistently recognized in other science programs.

toc: Entry to Professional Programs Elsewhere

Entry to Professional Programs Elsewhere

Many professional programs require or prefer an undergraduate degree, not necessarily a B.Sc., prior to entry (e.g. medicine, architecture). A CBU degree will provide an excellent starting point. Be sure to check with the other institution about specific course or other entrance requirements.

Science courses required for entry to pharmacy, physiotherapy and other health related professions are available at CBU. Again, be sure to consult with the other institution and confirm that you are taking the required courses. CBU students have a very good track record of being accepted and completing professional degrees at other institutions.

Be aware that CHEM1104/CHEM1105 and MATH1105/MATH1206 are the first year courses in chemistry and mathematics that are most widely accepted in other programs.

toc: Certificate Programs

toc: Certificate in Industrial Chemistry

Certificate in Industrial Chemistry

Criteria to earn the 27-credit certificate:

1. Not a standalone certificate - may only be earned as part of a 4-year BSc Chemistry
2. Included in the degree program would be 15-credits core to the certificate: CHEM2401 (industrial); CHEM2404 (environmental); CHEM3401 (spectroscopy); CHEM3403 (separations); CHEM4404 (chemical instrumentation design/troubleshooting).

3. Students choose from 6-credits as:
 - a. Option 1 (if BSc Major in Chemistry), CHEM3404 (fundamentals of chemical engineering) AND CHEM4801 (independent project - with an industrial, petroleum, or environmental analyses focus) Independent study projects could have industrial partners/co-supervisors; OR
 - b. Option 2 (if BSc Honours in Chemistry), CHEM4900 (honours thesis with an industrial, petroleum, or environmental analyses focus). Thesis projects could have industrial partners/co-supervisors.
4. 6-credits from two successful 15-week co-op work terms (from SSTC1989, SSTC2989, SST3989). Unless proprietary, the work term final reports are to be graded by a CBU faculty/staff member and the employer - both to be approved by the CBU Department of Chemistry Chair. If proprietary, in advance of the work term, the CBU Department of Chemistry Chair and the industrial project supervisor would agree on the appropriate person to grade the final report(s). In exceptional circumstances a work term may be held at CBU if: 1. On an industrial project; and 2. With co-supervision from the industrial partner.

toc: Certificate in Quantitative and Qualitative Psychology Research Methods

Certificate in Quantitative and Qualitative Psychology Research Methods

This certificate program provides a comprehensive opportunity to document learning about quantitative and qualitative research methods in psychology. These research methods can be applied in various fields such as business, nursing, education, and other disciplines. This certificate is only open to students currently in a degree program, and is awarded only in conjunction with a degree. Detailed information is available from the Department of Psychology, through the department chair.

Criteria to earn the certificate:

1. Not a standalone certificate - may only be earned as part of a 4-year BSc, BA or BACS Psychology.

2. Included in the degree program would be 18-credits core to the certificate:

- PSYC1101 Introduction to Psychology as a Natural Science
- PSYC1103 Introduction to Psychology as a Social Science
- PSYC2101 Data Analysis
- PSYC2111 Research Methods in Psychology
- PSYC3101 Research Practicum in Psychology
- PSYC3103 Qualitative Methods in Psychology
- Average grade of 75% or higher across PSYC2101, PSYC2111, PSYC3101 and PSYC3103.

3. Original Research Requirement:

a. Option 1 PSYC4900 Honours Seminar and Thesis (6cr) OR

b. Option 2 (with prior approval from the Psychology Department), PSYC4800 or PSYC4801, Directed Study, 3 or 6 credits.

OR

c. 120 hours minimum paid or volunteer research assistant in original research (must have prior approval of Psychology Department).

toc: Diploma Programs

Diploma Programs

Some of the Bachelor of Engineering Technology Programs in the School of Science and Technology allow a diploma exit point for students who wish to enter the workforce prior to completing their degree.

Diplomas are offered in Electrical Engineering Technology (Instrumentation and Controls), Mechanical Engineering Technology and Petroleum Engineering Technology.

toc: Unama'ki College of Cape Breton University

Unama'ki College of Cape Breton University

Disclaimer

When changes are made in program structure, a student already registered may choose to satisfy the new program requirements or to complete the program as it was when the student began his/her program if this is still possible and reasonable.

Cape Breton University (CBU) does not accept any responsibility for loss or damage suffered or incurred by any student as a result of suspension or termination of services, courses, or classes caused by reason of strikes, lockouts, riots, weather, damage to University property and any other cause beyond the reasonable control of CBU.

Each student bears the responsibility of ensuring that his/her course choices satisfy both the overall program regulations and the individual department regulations for specializations, concentrations or majors.

STEPHEN AUGUSTINE, MA, BA, - Principal

Unama'ki College (formerly Mi'kmaq College Institute) of Cape Breton University strives to inform, research, teach and dialogue about the past and present realities of Aboriginal Nations, particularly, the Mi'kmaq First Nation. Unama'ki College provides, through its Mi'kmaq Resource Center (MRC) and Mi'kmaq Language Lab, exciting environments in which to participate in current projects and research involving collaboration with Indigenous peoples, locally, nationally and internationally. Aboriginal and non-Aboriginal students alike, are drawn to the College because of the opportunities afforded to students to participate in ongoing dialogues about contemporary Indigenous issues.

The full and part time faculty members of the Unama'ki College teach academic courses in Mi'kmaq Studies (language/culture; governance/history and linguistics) as well as in MS+T / Integrative Science. The Unama'ki College of Cape Breton University offers academic courses related to Aboriginal issues and language using three delivery methods:

1. Courses are delivered at the main CBU campus in Sydney;
2. Courses are delivered in First Nations communities by faculty who travel to communities;
3. Courses are delivered in First Nations communities, regardless of location, via video conferencing.

Go to www.cbu.ca/unamaki for up-to-date information on Unama'ki College.

toc: Mi'kmaq Resource Centre (MRC)

Mi'kmaq Resource Centre (MRC)

Diane Chisholm, BA, Coordinator

(902)563-1660

The Mi'kmaq Resource Centre is a repository of documents related to Mi'kmaq history, culture and language. The Centre houses books, doctoral theses, articles, reports, pamphlets and academic papers, as well as video and audio materials. The MRC's holdings also include the now defunct Mic Mac News, publications of the Royal Commission on Aboriginal Peoples, an extensive array of materials on Donald Marshall Jr.'s experiences in the justice system and papers related to Aboriginal issues donated by private sources.

The MRC has a small, though select, collection of items representing Mi'kmaq material culture over the

past hundred years: examples of quill and beadwork, crooked knives, the waltes game, items from the early 20th century tourist trade, and a variety of baskets. Additionally, the Centre has a display of stone artifacts and projectile points on loan from the Nova Scotia Museum. Our oval room may be used by groups to give presentations or show videos related to Mi'kmaq culture.

The Mi'kmaq Resource Centre welcomes students, educators, researchers and anyone with an interest in Mi'kmaki to use our facilities and extensive collection of materials. Research assistance is available.

The Mi'kmaq Resource Centre is located in the Beaton Institute in room CE 268.

toc: L'nui'sultimkeweyo'kom Mi'kmaq Language Lab

L'nui'sultimkeweyo'kom Mi'kmaq Language Lab

Stephanie Inglis, PhD, Director
(902)563-1197

(902)563-1201; Lab:

The Mi'kmaw Language Lab is the primary centre of research activity at Unama'ki College. The Lab has partnerships with numerous Mi'kmaw educational authorities as well as academic institutions and is engaged in several long term projects: Mi'kmaw pain words; the on-line talking Mi'kmaw dictionary as well as the on-line Mi'kmaw Language Center, known as JILAPTOQ www.jilaptoq.ca.

The Language Lab engages and mentors Mi'kmaw undergraduate student researchers who are interested in working on Mi'kmaw language projects. The Language Lab also attracts linguistic graduate students from other universities and academics from North America interested in linguistic work on Algonquian languages.

toc: Indigenous Science Research Commons

Indigenous Science Research Commons

The Integrative Science Research Commons is the primary centre of Indigenous Science research activity at Unama'ki College. The Integrative Science Research Commons is under the auspices of Dr. Cheryl Bartlett, Tier1 Canada Research Chair in Integrative Science. Integrated Science/MSIT courses are taught using the Integrative Science Research Commons.

toc: Indigenous Students Commons

Indigenous Students Commons

One of the key and most visible spaces within Unama'ki College is the Indigenous Students Commons in all its various aspects: physical components (computers, kitchenette, etc.), academic ambiance (proximity to faculty and staff, study space, etc.) and comforting, reconfirming culture space.

toc: Department of Indigenous Studies

Department of Indigenous Studies

Chair, Rod Beresford BSc, MSc

The Department of Indigenous Studies of Unama'ki College brings together full and part-time faculty members involved in the teaching and development of university courses within the disciplines of Mi'kmaq Studies and MSIT /Integrative Science.

Mi'kmaq Studies as a discipline, examines aspects of Mi'kmaw culture including language, governance, spirituality and contemporary social issues. It offers 22 courses within the discipline of Mi'kmaq Studies and the courses are organized into two main streams: 'anguage and culture' and 'governance and history'. Courses are open to all students enrolled at Cape Breton University. Students may obtain a

BA/BACS Major or Minor in Mi'kmaq Studies or may simply wish to take a few courses as electives within the BA, BACS or BBA Degrees. Mi'kmaq Studies courses are often of interest to students who plan to pursue careers in Law, Medicine, Social Work, Teaching or Anthropology.

Integrative Science brings together scientific knowledge and ways of knowing from Indigenous and Western worldviews to provide science education. This “bringing knowledge together” is known as Toqwa'tu'kl Kijijitaqnn in the Mi'kmaq language and as “Two-Eyed Seeing” in the words of Mi'kmaq Elder, Albert Marshall. “Two-Eyed Seeing” is more than a label, it is a powerful reminder of the Integrative Science program's visionary goal of learning to see from our one eye with the strengths of Indigenous knowledges and from our other eye with the strengths of mainstream scientific knowledges and to use these together for the benefit of all. The Integrative Science program works to achieve such “Living Knowledge for the 21st Century” through learning opportunities in classrooms, laboratories, outdoors, community workshops and work placements. Bachelor of Science Community Studies (BScCS): Integrated Science/Toqwa'tu'kl Kijijitaqnn, offers a unique Bachelor of Science Community Studies (BScCS) four year undergraduate degree, with a concentration in Integrative Science/Toqwa'tu'kl Kijijitaqnn.

Please see the School of Arts and Social Sciences for Mi'kmaq Studies Departmental Regulations

toc: Mi'kmaq Studies

Mi'kmaq Studies

1. BA/BACS: Concentration, Major and/or Minor (Mi'kmaq Studies)
2. Electives: BA/BACS/BBA (Mi'kmaq Studies)
3. BScCS: Concentration (Integrated Science/Toqwa'tu'kl Kijijitaqnn)
4. Electives: (MSIT)
5. Mi'kmaq Studies as teachables for the BEd

MI'KMAQ STUDIES COURSES AS TEACHABLES FOR THE BEd

MI'KMAQ STUDIES courses are recognized as a teachable for application to Nova Scotia BEd Programs.

NOTE:

For purposes other than the BScCS Toqwa'tu'kl Kijijitaqnn, MSIT1101, MSIT1103, MSIT2101, MSIT2103, MSIT3101, MSIT3103, MSIT4101 and MSIT4103 have been designated as science;

THREE YEAR BA/BACS, CONCENTRATION in MI'KMAQ STUDIES

The three-year BA/BACS, concentration in Mi'kmaq Studies, requires completion of 15 courses (90 credits).

BA	BACS
5 core courses (30 credits)	4 core courses (24 credits)
5 electives (30 credits) any discipline	3 electives (18 credits) any discipline
5 courses (30 credits) in MI'KMAQ STUDIES	4 courses (24 credits) Career
	4 courses (24 credits) in MI'KMAQ STUDIES
(See following departmental requirements.)	(See following departmental requirements.)

CONCENTRATION IN MI'KMAQ STUDIES

MIKM1100 (6 credits)	Compulsory
MIKM1102 (6 credits)	Compulsory BA, Optional BACS
(6 credits) of Mi'kmaq Studies at the 2000/3000 level*	Choice from language/culture

(6 credits) of Mi'kmaq Studies at the 3000/4000 level*

Choice from governance/history

MIKM4100 (6 credits)

Compulsory

*Students may not take 3000/4000 level courses without completing six credits at the 1000/2000 level.

4-Year BA/BACS, MAJOR in MI'KMAQ STUDIES

There are three Major programs available within the BA/BACS degrees: Major/Minor; Double Major; Area Major. Students who wish to pursue any of the three BA/BACS Majors in Mi'kmaq Studies must choose between two streams of study:

I. MI'KMAW LANGUAGE AND CULTURE

II. MI'KMAW GOVERNANCE

Students may enter the major program when they begin the BA/BACS program or they may begin in the three-year program and apply to enter the major program at a later date. The following regulations apply to students seeking admission to the BA/BACS Major in Mi'kmaq Studies:

- A student in good academic standing who has achieved an average of at least 60% is eligible for admission to the BA/BACS Major in Mi'kmaq Studies. Students who opt for the four-year degree, from the beginning of their program, must maintain a 60% average to remain in the program.
- An average of 65% in years three and four are required to earn a BA/BACS Major in Mi'kmaq Studies
- A minimum average of 65% is required in the Mi'kmaq Studies courses offered towards the major.

BA/BACS MAJOR in MI'KMAQ STUDIES / MINOR IN RELATED SUBJECT

Core courses: BA/BACS five courses (30 credits)

Electives, any discipline: BA four courses (24 credits), BACS three or four courses (24/30 credits)

MINOR, any discipline: BA three courses (18 credits), BACS three or four (24/30 credits)

Directed studies/ thesis option: BA (6 credits) MIKM4800 OR MIKM4900, BACS COMS4100

MAJOR: MI'KMAQ STUDIES BA

seven courses (42 credits), BACS seven or eight courses (42 or 48 credits)

(See the following departmental requirements.)

MAJOR in MI'KMAW GOVERNANCE with a MINOR

MIKM1100 (6 credits) Compulsory

MIKM1102 (6 credits) Compulsory

MIKM2220 (6 credits) Compulsory

MIKM3120* (6 credits) Compulsory

MIKM BA 12 credits, BACS 18 credits: Choice 3000/4000* level:

must be from government / history

MIKM BA/BACS 6 credits: Choice 3000 / 4000* level:

must be from the language / culture

*Students may not take 3000/4000 level courses without completing 12 credits at the 1000/2000 level.

MAJOR in MI'KMAW LANGUAGE & CULTURE with a MINOR

MIKM1100 (6 credits) Compulsory

MIKM1102 (6 credits) Compulsory

MIKM2113/MIKM2213 and MIKM2114/MIKM2215	(12 credits)	Compulsory
MIKM3140* and MIKM3141/MIKM3143*	(12 credits)	Compulsory
MIKM4800* or MIKM4900*	(6 credits) directed studies/thesis option	Compulsory
MIKM 3000/4000* level courses	BA 6 credits, BACS MIKM 6 or 12 credits	Choice from

*Students may not take 3000/4000 level courses without completing 12 credits at the 1000/2000 level.

BA/BACS Double Major: FIRST MAJOR in MI'KMAQ STUDIES/SECOND MAJOR in related subject

Core courses: BA/BACS five courses (30 credits)

Electives, any discipline: BA four courses (24 credits), BACS three or four courses (24/30 credits)

MINOR, any discipline: BA three courses (18 credits), BACS three or four courses (24/30 credits)

Directed studies/ thesis option: BA (6 credits) MIKM4800 OR MIKM4900, BACS (6 credits) COMS4100

SECOND MAJOR: BA four courses (24 credits), BACS four or five courses (24 or 30 credits)

FIRST MAJOR: MI'KMAQ STUDIES: BA seven courses (42 credits), BACS seven or eight courses (42 or 48 credits)

(See following departmental requirements.)

DOUBLE MAJOR with 1st MAJOR: MI'KMAW GOVERNANCE

BA/BACS

MIKM1100	(6 credits)	Compulsory
MIKM1102	(6 credits)	Compulsory
MIKM2220	(6 credits)	Compulsory
MIKM3120*	(6 credits)	Compulsory
MIKM4100*	(6 credits)	Compulsory
MIKM	(6 credits)	Choice MIKM2101/MIKM2103 or MIKM2114/MIKM2215
MIKM	(6 credits)	Choice any 2000/3000*/4000* level course

BACS

MIKM	(6 credits)	Choice any 2000/3000*/4000* level course
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DOUBLE MAJOR with 1st MAJOR: MI'KMAW LANGUAGE & CULTURE

BA/BACS

MIKM1100	(6 credits)	Compulsory
MIKM1102	(6 credits)	Compulsory
MIKM3000*	(6 credits)	Choice (MIKM3630* + 3 credits) is recommended
MIKM3140*	(6 credits)	Compulsory
MIKM4140*	(6 credits)	Compulsory
MIKM4100*	(6 credits)	Compulsory

BACS

MIKM (6 credits) Choice any 2000/3000*/4000* level course

*Students may not take 3000/4000 level courses without completing 12 credits at the 1000/2000 level.

BA/BACS Area Major MI'KMAQ STUDIES

The three area majors are generally chosen from three closely related disciplines.

Core courses: BA/BACS five courses (30 credits)

Electives, any discipline: BA four courses (24 credits), BACS two courses (12 credits)

Directed studies/ thesis option: BA (6 credits) MIKM4800 OR MIKM4900*, BACS COMS4100

Third Major: BA three courses (18 credits), BACS four courses (24 credits)

Second Major: BA/BACS four courses (24 credits)

First Major: MI'KMAQ STUDIES: BA/BACS four courses (24 credits)

See following departmental requirements.

AREA MAJOR with FIRST MAJOR: MI'KMAW GOVERNANCE

BA/BACS

MIKM1100 (6 credits) Compulsory

MIKM2220 (6 credits) Compulsory

MIKM3120* (6 credits) Compulsory

MIKM4500* (6 credits) Compulsory

AREA MAJOR with FIRST MAJOR: MI'KMAW LANGUAGE & CULTURE

BA/BACS

MIKM1100 (6 credits) Compulsory

MIKM1102 (6 credits) Compulsory

MIKM3140* (6 credits) Choice (MIKM3630* + 3 credits) is recommended

MIKM4140* (6 credits) Compulsory

MIKM4100* (6 credits) Compulsory

BACS

MIKM (6 credits) Choice any 2000/3000*/4000* level course

*Students may not take 3000/4000 level courses without completing 12 credits at the 1000/2000 level.

Four Year BA, MINOR in MI'KMAQ STUDIES

A minor in Mi'kmaq Studies is an excellent option to consider if students are pursuing one of the following Majors: Political Science, Anthropology, Sociology, Communication or Folklore.

A minor in MI'KMAQ STUDIES is made up of 18 credits in Mi'kmaq Studies.

6 credits MIKM1100 Compulsory

6 credits MIKM2120, MIKM2220, MIKM3120*, MIKM2222* (Mi'kmaw governance) Choice

6 credits MIKM1102; MIKM2110 or MIKM2114; MIKM3140*; MIKM3245*; (Mi'kmaw language & culture) Choice

*Students may not take 3000/4000 level courses without completing 12 credits at the 1000/2000 level

ELECTIVES in MI'KMAQ STUDIES

Mi'kmaq Studies courses may be used as electives within the, BA, BACS and BBA and as free electives in the BSc degrees as well as part of the BEng transfer program (writing courses only).

toc: BScCS Concentration in Toqwa'tu'kl Kijijitaqnn/Integrative Science

BScCS Concentration in Toqwa'tu'kl Kijijitaqnn/Integrative Science

Students wishing to enroll in this program must consult the Academic Vice Principal of Unama'ki College, the Chair of the Department of Indigenous Studies, the Dean of the School of Science and Technology, the Dean of the School of Arts and Social Sciences, or the Student Service Centre for detailed program information.

PROGRAM DESCRIPTION

Toqwa'tu'kl Kijijitaqnn requires successful completion of 120 credits plus two work placements in a science or science-related environment. The overall degree structure consists of four parts and each part was designed to provide opportunities to learn science.

Toqwa'tu'kl Kijijitaqnn requires successful completion of the following courses:

1. Core (science via small group topic choice in Community Studies courses)

- COMS1100 Analysis and Decision Making (6 credits)
- COMS2100 Applied Research (6 credits)
- COMS3100 Community Intervention (6 credits)
- Other courses in the core must satisfy the following topic and credit requirements:
- Science and technology perspectives (6 credits) Recommended: PHIL2222, or equivalent
- World views and values (3 credits) Recommended: PHIL2123 or equivalent
- Aboriginal perspectives (3 credits) Recommended MIKM at 1000; 2000 or 3000 level

2. Concentration

Science - 24 credits

- MSIT1101/MSIT1103 Sense of Place, Emergence & Participation
- MSIT2101/MSIT2103 Ways of Knowing
- MSIT3101/MSIT3103 Cycles & Holism
- MSIT4101/MSIT4103 Wholeness

Technology 18 credits

- CHEM1104/CHEM1105
- 6 credits from MATH1107/MATH1208, or PHYS1102
- 3 credits from GEOL1103, PUBH2103, PUBH2105, or
- 3 credits from PUBH3101, PUBH3103, PUBH4106, or PUBH4111.

3. Electives (science via student's choice)

4. Work Placements (science via on-the-job experience)

Note: Changes to technology component are currently under review.

ELECTIVES in MSIT

MSIT courses may be used as electives within the B.Sc, BA, BACS and BBA degrees.

toc: Unama'ki College Student Services

Unama'ki college student services

Mi'kmaq Student Services

Patrick Johnson, BA, (902) 563-1415

Mi'kmaq Student Services of Unama'ki College is a student support system for all Mi'kmaq and Aboriginal students enrolled in courses at the University. Services range from academic counselling to assistance for Mi'kmaq students applying for post-graduate studies. The Mi'kmaq Student Advisor acts as a liaison for all Mi'kmaq and Aboriginal students with faculty and staff of the institution, educational counsellors from First Nation Communities and Mi'kmaq organizations, as well as the Department of Indian and Northern Affairs. Mi'kmaq Student Services also provides information regarding selection of programs, admission requirements and career options available to potential and current Aboriginal students of CBU. It is located within the Unama'ki College.

Aboriginal Academic Support Programming

Leanne Simmons, MEd, Program Director

(902)563-1240

Ann Denny, BBA, Aboriginal Community Liaison

(902)563-1402

The Program Director for Aboriginal programs works closely with Mi'kmaw and other First Nations communities to see that their educational needs are addressed. Several programs that have emerged through contacts with Aboriginal communities: Elmitek (first year university access, in community, for First Nations students), the Mi'kmaq Science Advantage (MSAP) initiative and the modularized BA and BBA programs which are delivered in Aboriginal communities.

Elmitek (BA Degree) is a one-year post-secondary program designed for Mi'kmaq students who wish to further their education by attending university. "Elmitek", a Mi'kmaq expression for showing someone a path to follow, succinctly explains the program to its Aboriginal participants, many of whom use English as a second language. Elmitek points to a path that students may travel toward successful completion of a University education. The Elmitek Program is designed to make the transition into the University environment less traumatic and more successful for Aboriginal students. Their ranks are comprised of newly graduated high school students and mature students who have not been in a formal education system for several years. The Elmitek program utilizes several methods to make post-secondary education more accessible:

- Several classes are offered in First Nations Communities.
- During the first year, students are required to attend classes at the CBU campus only one day per week.
- Workshop sessions are scheduled to prepare students for their classes and assignments.
- A co-ordinator may be assigned to maintain close contact with and to support students at each site.

The Kwitn Program is an interdisciplinary bridging program that supports Mi'kmaw students as they transition from high school into post-secondary study and introduces them to opportunities in science, technology, and business. The goals of the Kwitn Program are to provide Mi'kmaw students with a broad, first-year transition experience during which they explore a variety of disciplines and careers related to these fields, and to build an academic skill foundation that will lead to success in students' chosen post-secondary programs. These goals are accomplished through small classes in a cohort model with community involvement and delivery. Students in Kwitn access tailored supports through a mentor-coordinator, tutors, and lifelong learning of Elders and knowledge keepers. Experiential learning is emphasized and Indigenous worldviews, perspectives, and ways of knowing are prominent across all courses. Upon completion of the suite of courses that comprise Kwitn, students receive personalized advising to assist them in choosing a program of study and are assigned a faculty mentor. As they transition into their chosen programs, they retain access to motivational and academic supports.

INTRODUCTION TO ACCOUNTING I

Credits: 3

Exclusions:

Unavailable to students with credit for BUSS121.

A BBA core requirement. The course introduces students to financial statements emphasizing the need for business persons to understand and interpret the information contained therein. The various forms of business organization are identified and an understanding of the accounting process will be developed. Topics such as control of cash, receivables, inventory and capital assets will be examined in some detail.

ACCT1204

INTRODUCTION TO ACCOUNTING II

Credits: 3

Prerequisite:

ACCT1203

Exclusions:

Unavailable to students with credit for BUSS122.

A BBA core requirement. An introduction to managerial accounting covering such topics as cost behaviour, cost volume profit analysis and relevant costs for decision making. As well, an analytical approach to financial statements utilizing cash flows and ratios.

ACCT2203

APPLIED ACCOUNTING

Credits: 3

Prerequisite:

ACCT1203.

Exclusions:

Unavailable to students with credit for BUSS221.

The course applies the accounting theory developed in introductory accounting to realistic business situations. It is a practical course for any business student. An accounting case, comprising a full year of business transactions, is completed using spreadsheets and computerized accounting software packages. HST, WCB, payroll, various forms and filing requirements are discussed and prepared. The course is completely project based. Significant course time is spent using computer applications.

ACCT3206

INTERMEDIATE FINANCIAL ACCOUNTING I

Credits: 3

Prerequisite:

ACCT1204 with a grade of at least 60%.

Exclusions:

Unavailable to students with credit for BUSS325

A study of accounting theory and procedures involved in the valuation of resources, obligations and income determination for financial statement presentations in Canada.

ACCT3207

INTERMEDIATE FINANCIAL ACCOUNTING II

Credits: 3

Prerequisite:

ACCT3206

Exclusions:

Unavailable to students with credit for BUSS326

A continuation of ACCT3206, which includes an in-depth consideration of specific accounting topics. The focus is current CICA recommendations and international standards.

ACCT3208

PLANNING AND CONTROL

Credits: 3

Prerequisite:

ACCT1204, FINC2401 or permission of instructor

Exclusions:

Unavailable to students with credit for BUSS323.

This course covers both the concepts and techniques of planning and control. It is a primarily case-based course that incorporates both managerial and financial accounting decision making. Students will build on concepts studied in 1203 and 1204 and adapt them to a combination of structured and unstructured business scenarios. A major focus of the course will be the enhancement of teamwork, analytical and decision-making skills.

ACCT4201

COST ACCOUNTING

Credits: 3

Prerequisite:

ACCT3208 or BUSS321 or permission of instructor.

Exclusions:

Unavailable to students with credit for BUSS421.

The concepts and techniques of modern cost accounting including cost behaviour and profit-volume relationships, standard costs, budget flexibility and cost structures for control and motivation are explored in this course. Material relating to ISO 9000 and actively based costing are also examined.

ACCT4205

ACCOUNTING THEORY

Credits: 3

Prerequisite:

ACCT3207 or permission of the instructor

Exclusions:

Unavailable to students with credit for BUSS424.

An introduction to the structure of accounting theory including a study of accounting standards, their history and underlying theory

ACCT4206

ADVANCED FINANCIAL ACCOUNTING I

Credits: 3

Prerequisite:

ACCT3207 or permission of the instructor.

Exclusions:

Unavailable to students with credit for BUSS425.

A study of the accounting theory of intercorporate investments, business combinations, consolidations, consolidated financial statements, segment reporting and foreign operations.

ACCT4207

ADVANCED FINANCIAL ACCOUNTING II

Credits: 3

Prerequisite:

ACCT4206.

Exclusions:

Unavailable to students with credit for BUSS426.

Price level accounting, current value accounting, partnerships, fiduciary accounting, accounting for business in financial difficulties, non-profit and government accounting.

ACCT4208

AUDITING

Credits: 3

Prerequisite:

ACCT3207 or permission of the instructor.

Exclusions:

Unavailable to students with credit for BUSS427.

What is the function of auditing in our society? Course imparts answers to this question by describing professional standards and ethics, legal liability, planning and conducting audits with an emphasis on the importance of internal control and the meaning behind the auditor's report. Presentations and participation are integral parts of the course.

ACCT4209

TAXATION I

Credits: 3

Prerequisite:

ACCT1204.

Exclusions:

Unavailable to students with credit for BUSS451.

Examines the Canadian tax system with emphasis on the determination of personal income tax utilizing computer software tax packages.

ACCT4211

TAXATION II

Credits: 3

ACCT5201

FINANCIAL ACCOUNTING

Credits: 3

Note:

Entered: September 21, 2018 SML

The course introduces students to financial statements emphasizing the need for managers to understand and interpret the information contained therein. The various forms of business organization are identified and an understanding of the accounting process will be developed.

ACCT5203

ACCOUNTING

Credits: 3

Note:

Entered: September 21, 2018 SML

This is an introductory course in Accounting. It covers financial and managerial accounting fundamentals, designed particularly for those working in management positions. The course focuses on accounting from a manager's decision-making point of view; that is, as a person interpreting rather than preparing these financial statements. Issues relating to cash flow management, budgeting and relevant costs will be discussed.

ACCT5204

MANAGERIAL ACCOUNTING

Credits: 3

Prerequisite:

Prerequisites: ACCT5201

Note:

Entered: September 21, 2018 SML

Course includes an introduction to managerial accounting covering such topics as cost behavior, cost volume profit analysis and relevant costs for decision making. Topics such as control of cash, receivables, inventory and capital assets will be examined in some detail.

AN/S1200

INTRO TO ANTHROPOLOGY & SOCIOLOGY

Credits: 6

Prerequisite:

Exclusions:

A student with previous credit for introductory anthropology or sociology should not enroll in 1200. Unavailable to students with credit for AN/S110.

An integrated survey of cultural anthropology and sociology, showing and explaining the variety of humans' life-strategies through time and across cultures and introducing key theories and research approaches. Satisfies the Group three, BA core requirement but is open to all degree students. 1200 satisfies the prerequisite for all 2000- and 3000-level courses in AN/S and ANTH and SOCO.

AN/S2107

DEVIANCE IN CROSS-CULTURAL PERSPECTIVE

Credits: 3

AN/S2200

HUMANKIND:NATURE & DEVELOPMENT

Credits: 6

Prerequisite:

6 credits introductory Anthropology and/or Sociology.

Exclusions:

Unavailable to students with credit for AN/S220.

Developmental and comparative perspectives on human nature, showing how natural and social sciences interface in explaining the interplay of biological and socio-cultural factors in our behaviour. Satisfies the BA core requirement for Group 5 (or Natural Science), but also open to all degree students.

AN/S2201

FAMILIES: A CROSS-CULTURAL TOUR

Credits: 3

Prerequisite:

6 credits introductory Anthropology and/or Sociology.

Exclusions:

Unavailable to students with credit for AN/S221, SOCO210, SOCO2300

A course in the forms and workings of family, household and larger kinship structures in a variety of cultural settings.

AN/S2202

AGEING & THE LIFE CYCLE

Credits: 6

Prerequisite:

6 credits introductory Anthropology and/or Sociology.

Exclusions:

Unavailable to students with credit for AN/S 222 or AN/S322.

Biocultural aspects of the modern life cycle, emphasizing later life. For example: child health in cross-cultural perspective, life-history studies, female and male ageing cross-culturally, life-stages and social well-being.

AN/S2203

URBAN & RURAL COMMUNITY

Credits: 3

Prerequisite:

6 credits introductory Anthropology and/or Sociology.

Exclusions:

Unavailable to students with credit for AN/S223.

An investigation of social interrelationships among people who share locales. Themes include rural-urban comparisons, the question of urban alienation, quality of life, the nature of community and dynamics of community action.

AN/S2204

CONSUMPTION & CONSUMERISM

Credits: 3

Prerequisite:

6 credits of ANTH, SOCO, and/or AN/S at the 1000 level or 30 credits in any degree program.

Shopping, buying and consuming are now closely tied to who we are and how others define us. This course provides an overview of contemporary consumer society and provides an opportunity to emphasize a cultural perspective on the social meaning of possessions, shopping and spending.

AN/S2205

FOOD FOR THOUGHT: CRITICAL PERSPECTIVES ON WHAT, HOW & IF WE EAT

Credits: 3

Prerequisite:

6 credits of ANTH, SOCO, and/or AN/S at the 1000 level.

Everything that is important to humans is on some way connected to the production, preparation, and or consumption of food. This course employs insights from anthropology and sociology to explore the multiple meanings and consequences of what, how and if we eat, with an emphasis on food security and sustainability.

AN/S2206

EVERYDAY ENCOUNTERS & EMERGENT REALITIES

Credits: 3

Prerequisite:

6 credits of ANTH, SOCO, and/or AN/S at the 1000 level.

This course examines the processes through which taken-for-granted practices and power dynamics are reinforced or contested during everyday encounters. Throughout this class we will come to understand how characteristics of the world in which we live, such as the competition of jobs or use of social media, influence the quality of our interactions and relationships with others.

AN/S2207

THINKING ABOUT HEALTH & ILLNESS

Credits: 3

Prerequisite:

6 credits of ANTH, SOCO, and/or AN/S at the 1000 level.

This course will offer a critical study of socio-cultural patterns, causes, and effects of health and illness. We will move beyond biomedical interpretations to tap the additional insights offered by those who emphasize not only the unity of body and mind but also the importance of considering environmental, social, cultural, and economic contexts.

AN/S2208

PRACTICING WELL-BEING & HEALING

Credits: 3

Prerequisite:

6 credits of ANTH, SOCO, and/or AN/S at the 1000 level.

Exclusions:

Unavailable to students with credit for AN/S2222 and AN/S282

This course will offer a critical study of socio-cultural practices of well-being and healing. We will expand our thinking beyond the battle with individual-based diseases of body and mind to consider alternative approaches to healing that address not only the whole person but also larger environmental, social, cultural and economic factors.

AN/S2210

QUALITATIVE RESEARCH METHODS IN SOCIAL SCIENCE

Credits: 6

Prerequisite:

6 credits introductory Anthropology and/or Sociology or Political Science or strong background in related field.

Exclusions:

Unavailable to students with credit for AN/S266 or POLS266

Cross-listed with POLS2160 Core requirement in Social Research Certificate. A course in ethnographic methodology, ethics, techniques of generating non-numerical data, interpretive analysis and practical applications. Fieldwork approaches include intensive interviewing, participant observation and interpretation of text and visual images.

AN/S2212

QUANTITATIVE RESEARCH METHODS & STATISTICS IN SOCIAL SCIENCE

Credits: 6

Prerequisite:

6 credits introductory Anthropology and/or Sociology or Political Science, or strong background in related field. Prior math skills are not required.

Exclusions:

Unavailable to students with credit for AN/S268 or POLS268.

Cross-listed with POLS2162 Satisfies the Group 5, BA core requirement, but also open to all degree students. Core requirement in Social Research Certificate. An overview of research designs that produce numbers as the data, and a comprehensive study of survey methods. Includes methodological principles, sampling, preparation and administration of instruments, computerized data-analysis with SPSS, interpretive reporting, and practical applications. Scheduled labs in SPSS are added to the second half of the course.

AN/S2220

SOCIETAL PROBLEMS

Credits: 6

Prerequisite:

6 credits introductory Anthropology and/or Sociology.

Exclusions:

Unavailable to students with credit for AN/S270.

This course focuses on socio-cultural arrangements and processes which create human problems and shape our perception of them. Special attention is given to economically non-developed and underdeveloped societies.

AN/S2222

HEALTH, ILLNESS, AND MEDICINE

Credits: 6

Prerequisite:

6 credits introductory Anthropology and/or Sociology.

Exclusions:

Unavailable to students with credit for AN/S282 or AN/S320.

Critical study of socio-cultural patterns, causes and effects of health and illness; health-care institutions; and culturally based conceptions of wellness and of illness-care practice

AN/S2230

ETHNICITY, "RACE", AND NATIONALISM

Credits: 6

Prerequisite:

6 credits introductory in Anthropology and/or Sociology.

Exclusions:

Unavailable to students with credit for AN/S294, MIKM350 or SOCO 350.

Cross-listed with MIKM2222 This course examines the main approaches to the study of ethnic groups, the social construction of race and nationalist movements. The analysis of selected mass media materials will complement the theoretical part of the course, illustrating the influence of ethnicity, race and nationalism on contemporary culture.

AN/S3200

EQUALITY AND INEQUALITIES: WHY AND SO WHAT?

Credits: 6

Prerequisite:

12 credits in Anthropology and/or Sociology.

Exclusions:

Unavailable to students with credit for AN/S330 or SOCO400 ("Social Stratification & Inequality").

Cultures have embodied many kinds and degrees of inequalities, with profound implications for the lives of individuals and the history of societies. This course examines research and theory on class, status and power relations: who gets what, how, why and with what consequences.

AN/S3201

WORLD PROBLEMS

Credits: 3

Prerequisite:

12 credits in Anthropology and/or Sociology.

Exclusions:

Unavailable to students with credit for AN/S305, AN/S291 or SOCO291.

Overview of social science insights on large-scale social inequalities, their causes and possible solutions, with exploration of cultural, economic and political influences through both local and international case studies.

AN/S3202

CANADA'S CULTURAL LANDSCAPE

Credits: 6

Prerequisite:

12 credits in Anthropology and/or Sociology; or 6 credits FOLK; or background in Cultural Geography.

Exclusions:

Unavailable to students with credit for AN/S332 or FOLK332.

Cross-listed with FOLK3400 The course takes an interdisciplinary approach to the exploration of both the perception and experience of landscape. Provides opportunities to examine and interpret the cultural landscapes of the students' own regions.

AN/S3203

COMPARATIVE VARIATION & CHANGE IN NON-WESTERN SOCIETIES

Credits: 3

Prerequisite:

12 credits in Anthropology and/or Sociology; plus either AN/S3201 or permission of instructor.

Exclusions:

Unavailable to students with credit for AN/S307, AN/S293 or SOCO293.

Socio-economic, political, and cultural dynamics of underdeveloped,, non-western societies in the post-colonial era, analyzing national and international circumstances that set the context for current economic development practices and future possibilities.

AN/S3204

CULTURE, TECHNOLOGY & ENVIRONMENT I

Credits: 3

Prerequisite:

12 credits in Anthropology and/or Sociology.

Exclusions:

Unavailable to students with credit for AN/S309 or ANTH309.

Explores connections between environmental and social problems: how political, cultural, social and economic factors shape our relationship with the natural world.

AN/S3205

CULTURE, TECHNOLOGY & ENVIRONMENT II

Credits: 3

Prerequisite:

AN/S3204.

Exclusions:

Unavailable to students with credit for AN/S311 or ANTH311.

A continuation of AN/S3204, with special attention given to substantive case studies.

AN/S3206

POPULAR CULTURE

Credits: 3

Prerequisite:

12 credits in Anthropology and/or Sociology.

Exclusions:

Unavailable to students with credit for AN/S333.

The course combines anthropological and sociological theory and research methods to critically examine the pervasive phenomena of popular culture, including such topics as music, news media, television programming, popular movies and sports. May be included in a Communication concentration or major.

AN/S3207

PARANORMALISM & PSEUDOSCIENCE

Credits: 3

Prerequisite:

12 credits in Anthropology and/or Sociology.

Exclusions:

Unavailable to students with credit for AN/S335.

A critical and interdisciplinary exploration of the premises and practices associated with paranormalism and pseudoscience. The course will focus on the nature and sources of paranormal beliefs in contemporary society, while encouraging the development of the critical skills necessary to objectively examine paranormal and pseudoscientific claims.

AN/S3208

WORK AND SHARING

Credits: 3

Prerequisite:

12 credits Anthropology and/or Sociology.

Exclusions:

Unavailable to students with credit for AN/S355 or AN/S251.

A cross-cultural examination of styles of production (work) and distribution (sharing), aimed at developing a critical perspective on what happens in our own economic world and in our daily live

AN/S3209

INSIDE ORGANIZATIONS

Credits: 3

Prerequisite:

12 credits in Anthropology and/or Sociology.

Exclusions:

Unavailable to students with credit for AN/S357, AN/S253, or ANTH376.

The course examines how the concepts and methods of Anthropology can help us to gain a critical understanding of the inner workings of business organizations and the dynamics of business activity, both at home and abroad.

AN/S3210

SELF & OTHER: ENCOUNTER, TRADITIONS, & TRANSFORMATIONS

Credits: 6

Prerequisite:

12 credits in Anthropology and/or Sociology.

Exclusions:

Unavailable to students having credit for AN/S 336, ANTH333, or MIKM334.

Cross-listed with MIKM3110 Colonialism produced an enduring cultural legacy with a range of severe consequences for indigenous cultural reproduction and social organization. Europe also felt the drastic consequences of its own expansionism. Course focuses on how indigenous self-definitions and traditions have been transformed, revitalized or created a new

and considers indigenous peoples in a global perspective covering the past 500 years.

AN/S3211

SOCIETIES & CULTURES OF LATIN AMERICA I

Credits: 3

Prerequisite:

12 credits in Anthropology and/or Sociology.

Exclusions:

Unavailable to students with credit for AN/S337.

An ethnohistorical overview of pre-Columbian societies and cultures, including Aztec, Maya and Inca, until the conquest

AN/S3212

ANIMALS & PEOPLE

Credits: 6

Prerequisite:

12 credits in Anthropology and/or Sociology.

Exclusions:

Unavailable to students with credit for AN/S358.

A critical and comparative examination of the relationship between people and animals. Human attitudes toward animals will be explored by examining such topics as animal representations in art and literature and popular culture, as well as the social and cultural constructions of legal, political, economic and philosophical issues pertaining to animals. Much of the focus will be on the controversies surrounding this complex social relationship.

AN/S3213

SOCIETIES & CULTURES OF LATIN AMERICA II

Credits: 3

Prerequisite:

12 credits in Anthropology and/or Sociology.

Exclusions:

Unavailable to students with credit for AN/S339.

An historical and contemporary overview of societies and cultures of Latin America from conquest and colonization to the present day

AN/S3214

LANGUAGE CONTACT, CHANGE, DEATH & REVITALIZATION

Credits: 3

Exclusions:

Unavailable to students with credit for AN/S363, HERT363 or MIKM363.

Cross-listed with MIKM3245 An examination of how languages change when in contact as well as the very serious process of language death, which is now happening on a global scale. Discussion focuses on suggested solutions to the rapid loss of linguistic diversity. Languages such as Mi'kmaq and Cape Breton Gaelic are highlighted for analysis.

AN/S3215

NEGOTIATING SELVES & SOCIAL IDENTITIES

Credits: 3

Prerequisite:

12 credits in sociology and/or anthropology

This course examines how our views of ourselves are influenced by the larger society in which we live. We will consider how our take-for-granted ways of thinking and everyday interactions shape and reshape who we are.

AN/S3220

SOCIAL & CULTURAL CONSTRUCTION OF GENDER

Credits: 6

Prerequisite:

12 credits in Anthropology and/or Sociology.

Exclusions:

Unavailable to students with credit for AN/S360.

Critical study of the socio-cultural roots, dynamics and consequences of what male and female mean to people in various times and places, with respect to a wide variety of life experiences.

AN/S3222

DEMOGRAPHY

Credits: 6

Prerequisite:

12 credits in Anthropology and/or Sociology. Recommended: AN/S2212 or equivalent. .

Exclusions:

Unavailable to students with credit for AN/S362 or SOCO362

This course will investigate the field of population dynamics (birth, migration and death) and population structure from the perspectives of anthropology and sociology. As part of the specific treatment of demographic techniques and theoretical approaches, the course will emphasize issues pertinent to societies and cultures both past and present. It will rely on anthropological and sociological investigations where demographic measures have been a component.

AN/S3230

METHODS OF APPLIED SOCIAL RESEARCH

Credits: 6

Prerequisite:

(a) AN/S2210 or AN/S2212; plus (b) 6 credits in Anthropology and/or Sociology at the 2000-3000 level other than AN/S2210 and AN/S2212; or (c) Instead, with explicit permission of the instructor, a student lacking those prerequisites may be admitted on the basis of relevant practical experience and parallel formal training in other disciplines.

Exclusions:

Unavailable to students with credit for AN/S364

A course in qualitative and quantitative applied social research design and techniques, emphasizing approaches such as program evaluation, needs assessment, social-impact assessment, clinical analysis of organizations and advocacy. Includes a complete and original research project and year-end report, in which each student may opt for a qualitative or quantitative design.

AN/S3232

WORK & WOMEN IN SOCIETY

Credits: 6

Prerequisite:

12 credits in Anthropology and/or Sociology.

Exclusions:

Unavailable to students with credit for AN/S392.

Examination of women's position in society, focusing on those life-sustaining activities known as work (paid or unpaid) and investigating bio-physical, socio-psychological and socio-cultural underpinnings of the relevant practices

AN/S3701

SPECIAL TOPICS: ANTHROPOLOGY/SOCIOLOGY

Credits: 3

AN/S3711

SPECIAL TOPICS IN ANTHROPOLOGY/SOCIOLOGY

Credits: 3

AN/S3724

SPECIAL TOPICS: ANTHROPOLOGY & SOCIOLOGY

Credits: 3

AN/S3800

DIRECTED INDEPENDENT STUDY: ANTHROPOLOGY/SOCIOLOGY

Credits: 6

Prerequisite:

Prerequisites: 12 credits in Anthropology and/or Sociology

Requires a special arrangement between an individual student and professor, endorsed by the Dean, to cover a topic unavailable in the regular offerings, at a third-year level. (See also the 3-credit versions, 3801 and 3803; compare the senior versions, 4801 and 4811/4813.) Intended only for a highly motivated student who has a special interest and who achieves goals without close supervision. A student needing an unscheduled course and who also needs more structure and direction should choose instead to arrange a tutorial in a course listed in the calendar. A student may take several courses as Directed Study in Anthropology and/or Sociology, to a maximum of 18 credits.

AN/S3801

DIRECTED INDEPENDENT STUDY: ANTHROPOLOGY/SOCIOLOGY

Credits: 3

Prerequisite:

12 credits in Anthropology and/or Sociology.

Requires a special arrangement between an individual student and professor, endorsed by the Dean, to cover a topic unavailable in the regular offerings, at a third-year level. (See also the 6-credit version, 3800; compare the senior versions, 4801 and 4811/4813.) Intended only for a highly motivated student who has a special interest and who achieves goals without close supervision. A student needing an unscheduled course and who also needs more structure and direction should choose instead to arrange a tutorial in a course listed in the calendar. A student may take several courses as Directed Study in Anthropology and/or Sociology, to a maximum of 18 credits.

AN/S3803

DIRECTED INDEPENDENT STUDY: ANTHROPOLOGY/SOCIOLOGY

Credits: 3

Prerequisite:

12 credits in Anthropology and/or Sociology.

Requires a special arrangement between an individual student and professor, endorsed by the Dean, to cover a topic unavailable in the regular offerings, at a third-year level. (See also the 6-credit version, 3800; compare the senior versions, 4801 and 4811/4813.) Intended only for a highly motivated student who has a special interest and who achieves goals without close supervision. A student needing an unscheduled course and who also needs more structure and direction should choose instead to arrange a tutorial in a course listed in the calendar. A student may take several courses as Directed Study in Anthropology and/or Sociology, to a maximum of 18 credits.

AN/S4200

CLASSICAL THEORY IN ANTHROPOLOGY/SOCIOLOGY

Credits: 6

Prerequisite:

18 credits in Anthropology and/or Sociology, including ANTH3100 or SOCO3300 (or SOCO230 or SOCO232).

Exclusions:

Unavailable to students with credit for ANTH or AN/S or SOCO440.

Each of the above three choices satisfies the four year major BA core requirement for Senior

Seminar or a 4000 level Directed Study (6 credits). A seminar on major conceptual frameworks, debates, and figures in anthropological and/or sociological theory, from the mid-nineteenth to the mid-twentieth century.

AN/S4202

CONTEMPORARY THEORY IN ANTHROPOLOGY & SOCIOLOGY

Credits: 6

Prerequisite:

18 credits in Anthropology and/or Sociology, including ANTH3100 or SOC03300 (or SOC0230 or SOC0232).

Exclusions:

Unavailable to students with credit for ANTH or AN/S or SOC0470.

Each of the above three choices satisfies the 4-year major BA core requirement for Senior Seminar or a 4000 level Directed Study (6 credits). A seminar on major conceptual frameworks, debates, and figures in anthropological and/or sociological theory, from the mid-twentieth century to the present.

AN/S4212

SOCIAL STRUCTURE AND CHANGE

Credits: 6

Prerequisite:

18 credits in Anthropology and/or Sociology, including 6 credits above the 2000 level.

Exclusions:

Unavailable to students with credit for AN/S420.

Satisfies four year major BA core requirement for Senior Seminar or a 4000 level Directed Study (6 credits). A seminar or tutorial on the structure and interplay of major social institutions across the broad sweep of cultural evolution, including an overview of central trends in today's world system.

AN/S4701

SPECIAL TOPICS: ANTHROPOLOGY/SOCIOLOGY

Credits: 3

AN/S4751

SPECIAL TOPICS: SASS: INTERDISCIPLINARY SEMINAR

Credits: 3

AN/S4753

SPECIAL TOPICS: SASS: INTERDISCIPLINARY SEMINAR

Credits: 3

AN/S4754

SPECIAL TOPICS: SASS: INTERDISCIPLINARY SEMINAR

Credits: 3

AN/S4801

DIRECTED INDEPENDENT STUDY: ANTHROPOLOGY/SOCIOLOGY

Credits: 3

Prerequisite:

18 credits with 60% average in Anthropology and/or Sociology, including 6 credits above the 2000 level.

Requires a special arrangement between an individual student and professor, endorsed by the Dean, to cover a topic unavailable in the regular offerings, at a fourth-year level. (See also third-year versions, 3800 and 3801/3803.) A student seeking a more extended, project-focused senior experience should choose the 4811/4813 combination or 4900, but can take one or more 4801 courses for additional topics. AN/S, ANTH, SOCO 4801 is intended only for a highly motivated student who has a special interest and who gets things done without being closely supervised. A student needing an unscheduled course and who also needs more structure and direction should choose instead to arrange a tutorial in a course listed in the calendar. A student may take several courses as Directed Study in Anthropology and/or Sociology, to a maximum of 18 credits. Can be credited toward four year major BA core requirement for Thesis/Directed Study (6 credits).

AN/S4811

DIRECTED INDEPENDENT PROJECT PROPOSAL: ANTHROPOLOGY/SOCIOLOGY, SENIOR LEVEL

Credits: 3

Prerequisite:

18 credits with 65% average in Anthropology and/or Sociology, including 6 credits above 2000 level and 6 credits in research methods (AN/S2210 or 2212); plus a one-page statement of objectives and an idea for a potential project and/or consultation with the professor before registration.

Satisfies the Group 6 requirement for a Directed Study in the four year major BA core. The AN/S4811 and AN/S4813 together replace the old AN/S498. AN/S, ANTH, SOCO4811 is intended only for a senior student, concentrating in the discipline, who is planning also to complete 4813. The 4811/4813 combination is project-focused, as an alternative to the more rigorous 4900 thesis course. The 4811 includes development of a topic, literature search and submission of a project proposal. In some years the course may be provided as a tutorial, which requires a special arrangement between an individual student and professor, endorsed by the Dean. Alternatively, the course may be offered as a seminar scheduled by the department in conjunction with its regular course offerings in other years. (See also the third-year counterparts, 3800 and 3811/3813. For a 3-credit alternative to the project-focused 4811/4813, see 4801.) AN/S, ANTH, SOCO4811/4813 are intended only for a highly motivated student who has a special interest and who gets things done without being closely supervised. A student needing an unscheduled course and who also needs more structure and direction should choose instead to arrange a tutorial in a course listed in the calendar. A student may take several courses as Directed Study in Anthropology and/or Sociology, to a maximum of 18 credits.

AN/S4813

DIRECTED INDEPENDENT PROJECT IMPLEMENTATION: ANTHROPOLOGY/SOCIOLOGY, SENIOR LEVEL

Credits: 3

Prerequisite:

AN/S or ANTH or SOCO4811

In 4813 the student carries to completion the project developed in 4811. In some years, the course may be provided as a tutorial, which requires a special arrangement between an individual student and professor, endorsed by the Dean. Alternatively, the course may be offered as a seminar scheduled by the department in conjunction with its regular course offerings in other years. Can be credited towards the four year major BA core requirement for Thesis/Directed Study (6 credits).

AN/S4900

HONOURS THESIS, ANTHROPOLOGY & SOCIOLOGY

Credits: 6

Prerequisite:

24 credits with 75% average in Anthropology and/or Sociology, including 6 credits in research methods (AN/S2210 or 2212) and/or in theory (ANTH3100 or SOCO3300); plus a one-page statement of motives and aims in taking the course and/or consultation with the professor before registration

Satisfies Group 6 of the four year major BA core. Required for Honours. AN/S, ANTH, SOCO4900 is intended for high ability senior students specializing in Anthropology and/or Sociology, especially those who hope to prepare for admission to a Master's program. It is an individualized project, culminating in a formal thesis. In some years the course may be

provided as a tutorial, which requires a special arrangement between an individual student and professor, endorsed by the Dean. Alternatively, the course may be offered as a seminar scheduled by the department in conjunction with its regular course offerings in other years. Students seeking a similar but somewhat less demanding experience should consider 4811 and 4813.

ANTH101

GENERAL ANTHROPOLOGY I

Credits: 3

Exclusions:

Unavailable to students with credit for ANTH107, COMM107 or MIKM107.

An introduction to the scientific study of language. Topics include phonology, morphology, syntax, semantics and the heritage languages of Cape Breton (Mi'kmaq, French, Gaelic and English). This course is intended as a prerequisite for ANTH2100.

ANTH1101

INTRODUCTION TO LINGUISTICS

Credits: 3

Exclusions:

Unavailable to students with credit for ANTH107, COMM107 or MIKM107.

Note:

CROSS-LISTED WITH COMM1107, MIKM1145

Cross-listed with COMM1107, MIKM1145 An introduction to the scientific study of language. Topics include phonology, morphology, syntax, semantics and the heritage languages of Cape Breton (Mi'kmaq, French, Gaelic and English). This course is intended as a prerequisite for ANTH2100.

ANTH1103

INTRODUCTION TO PHYSICAL ANTHROPOLOGY

Credits: 3

Exclusions:

Unavailable to students with credit for ANTH2101 or ANTH205

An examination of the story of the human lineage, from the earliest origins amongst our primate ancestors to the rise of civilization, characterising the distinctively human adaptation and surveying contemporary variation.

ANTH1103L

INTRODUCTION TO PHYSICAL ANTHROPOLOGY LAB

Credits: 0

ANTH1104

INTRO TO SOCIO-CULTURAL ANTHROPOLOGY

Credits: 3

Exclusions:

Unavailable to students with credit for AN/S1200

A survey of socio-cultural anthropology exploring the variety of humans' life-strategies through time and cross cultures and introducing key theories and research approaches.

ANTH1161

INTRODUCTION TO INDIGENOUS STUDIES

Credits: 3

ANTH1711

SPECIAL TOPICS IN ANTHROPOLOGY

Credits: 3

ANTH2100

LINGUISTIC ANTHROPOLOGY

Credits: 6

Prerequisite:

6 credits introductory Anthropology and/or Sociology and ANTH1101.

Exclusions:

Unavailable to students with credit for ANTH208, HERT208 or MIKM208.

Note:

CROSS-LISTED WITH MIKM2140

Cross-listed with MIKM2140 An introduction to socio-cultural aspects of language's forms and functions as expressed in various cultures, including language's interplay with perception, gender, and class. Focus will be on collection and documentation of language materials, with emphasis on insider/outsider research. Mi'kmaq, Gaelic and Acadian materials are emphasized.

ANTH2101

PHYSICAL ANTHROPOLOGY: FIRST PRINCIPLES & CURRENT CONSEQUENCES

Credits: 3

Prerequisite:

6 credits introductory Anthropology and/or Sociology or 6 credits introductory Biology or permission of instructor.

Exclusions:

Unavailable to students with credit for ANTH205.

A review of the principles of evolution and their human consequences, outlining the differentiation of the human lineage, characterizing the distinctively human adaptation and surveying contemporary variation.

ANTH2103

EVOLUTION OF HUMAN ADAPTATION

Credits: 3

Prerequisite:

6 credits introductory Anthropology and/or Sociology or 6 credits introductory Biology or permission of instructor.

Exclusions:

Unavailable to students with credit for ANTH207.

An examination of the interplay between biology and behaviour in the emergence and prehistoric development of culture, including a review of the fossil record and problems of its interpretation.

ANTH2104

INTERPRETING THE PAST: METHODS IN ETHNOHISTORY

Credits: 3

Prerequisite:

6 credits introductory Anthropology and/or Sociology.

Exclusions:

Unavailable to students with credit for ANTH209.

Introduction to and overview of ethnohistory, focusing on ethnohistoric methods, source identification and interpretation, palaeography and calendrics, oral history and historic linguistics, social history and historic site archaeology, physical anthropology and epidemiology and cultural-ecological insights. Regional overviews and case studies will be used to illustrate the results of ethnohistoric methods.

ANTH2105

ANTHROPOLOGY OF TOURISM

Credits: 3

Prerequisite:

6 credits introductory Anthropology and/or Sociology or permission of instructor.

Exclusions:

Unavailable to students with credit for ANTH211.

Introduction to an overview of anthropology of tourism, including its development and key concepts and issues, illustrated through case studies from both developing and developed countries.

ANTH2106

RELIGION, MAGIC, AND WITCHCRAFT

Credits: 3

Prerequisite:

6 credits introductory Anthropology and/or Sociology.

Exclusions:

Unavailable to students with credit for ANTH229 or ANTH391 or AN/S391.

An introduction to the anthropology of religion. This course provides a comparative look at how people of different cultures and religious traditions interpret the world and mobilize their actions in terms of their understanding of the relationship between social, natural and supernatural forces.

ANTH2107

DEVIANCE IN CROSS-CULTURAL PERSPECTIVE

Credits: 3

Prerequisite:

6 credits introductory Anthropology and/or Sociology.

Exclusions:

Unavailable to students with credit for ANTH235.

People everywhere view certain others as weird, dangerous or bad. By cross-cultural comparison, this course explores how and why that happens, its effects, and what it suggests about human social life in general.

ANTH2108

INTRODUCTION TO ARCHAEOLOGY

Credits: 3

Students are introduced to the basic concepts of archaeological method and theory. Major topics will include the history of archaeology, Culture History, culture (re)construction, site survey, excavation, sampling techniques, artefacts, dating methods, management and ethics.

ANTH2109

CULTURE, DISTRESS, & PSYCHIATRIC ABNORMALITY

Credits: 3

Prerequisite:

6 credits introductory Anthropology and/or Sociology.

Exclusions:

Unavailable to students with credit for ANTH237

A cross-cultural examination of the interplay of culture, idioms of distress and healing.

ANTH2111

INDIGENEOUS MUSICS OF NORTH AMERICA

Credits: 3

Exclusions:

Unavailable to students with credit for ANTH255, ETHM255, or MIKM25

Note:

Cross-listed with MUSI2311, MIKM2106

Cross-listed with MUSI2311, MIKM2106 This course will introduce students to a range of musical tradition from North America Indigenous communities, including nation specific (especially Mi'kmaq), inter-tribal and popular musics. The course focuses on the significance of music to various Indigenous peoples, examining its role in, for example, ritual, spiritual expression, healing, relationships and dance. Students will also explore the relationship between music and identity, examining gender roles and nation-specific musical expressions. Students will learn basic music vocabulary in order to analyze and describe the characteristics of the music encountered.

ANTH2114

ETHNOGRAPHY & RESEARCH METHODS

Credits: 3

Exclusions:

FOLK1101

Cross-listed with MUSI2114 and FOLK2114 This course will prepare students to conduct ethnographic research and incorporate their research into their writing. Topics covered include the ethics of fieldwork, interview, transcription, field notes, participant observation, object documentation, the uses of photography and video, library and archive research, ethnographic writing, and alternative knowledge transfer. Objects of study include custom, material culture, verbal art, oral history, music and dance.

ANTH2123

STORIES WE TELL: HISTORY, MEMORY & MEANING

Credits: 3

Exclusions:

Credit may not be obtained for both HIST1105/2123 and ANTH2123

CROSS-LISTED COMM2123, FOLK2123 and HIST2123 This course explores the ways in which the past is remembered, represented, and used in the present. It is open to students from any degree program. Important themes include: the nature of human memory, the political uses of history, and the research methods used by scholars. Students will learn how to conduct original, independent research. Classroom activities and assignments will stress debate and dialogue and explore the connections between scholarly disciplines and students of varying backgrounds and academic interests.

ANTH2701

SPECIAL TOPICS: ANTHROPOLOGY

Credits: 0

ANTH2711

SPECIAL TOPICS: ANTHROPOLOGY

Credits: 3

ANTH2714

SPECIAL TOPICS IN ANTHROPOLOGY

Credits: 3

ANTH2724

SPECIAL TOPICS IN ANTHROPOLOGY

Credits: 3

ANTH3100

SURVEY OF ANTHROPOLOGICAL THEORY

Credits: 6

Prerequisite:

12 credits in Anthropology and/or Sociology.

Exclusions:

Unavailable to students with credit for ANTH302 or ANTH232.

A critical review of the roots of current theoretical concepts and issues in sociocultural anthropology.

ANTH3101

PEOPLE & POWER

Credits: 3

Prerequisite:

12 credits in Anthropology and/or Sociology.

Exclusions:

Unavailable to students with credit for ANTH331.

A critical overview of theories, themes and debates about power, both cross-culturally and across time, from the perspective of political anthropology.

ANTH3102

FIELD SCHOOL IN HISTORICAL ARCHAEOLOGY

Credits: 6

Prerequisite:

12 credits in Anthropology and/or Sociology. With explicit permission of the Department Chair, a student lacking the prerequisite may be admitted on the basis of relevant practical experience and parallel formal training in other disciplines.

Exclusions:

Unavailable to students with credit for ANTH304, HERT340 or HIST340.

Cross-listed with HIST3102 This course gives students field instruction in the techniques used in the excavation of an archaeological site. Hands-on instruction in manual excavation methods, mapping, field recording and laboratory analysis will prepare students as qualified archaeological field technicians. First class held on campus; all others at local field site.

ANTH3102L

FIELD SCHOOL IN HISTORICAL ARCHAEOLOGY LAB

Credits: 0

ANTH3103

MI'KMAQ NOUNS AND VERBS

Credits: 3

Exclusions:

Unavailable to students with credit for ANTH361 or MIKM361

Cross-listed with MIKM3313 Examines the morphological structure of Mi'kmaq nouns and verbs. The complex internal word grammar of Mi'kmaw is explored to give insight into the semantic categories of this endangered language.

ANTH3110

APPLIED ANTHROPOLOGY

Credits: 6

Prerequisite:

12 credits in Anthropology and/or Sociology.

Exclusions:

Unavailable to students with credit for ANTH372.

This course demonstrates anthropology's everyday relevance in identifying and addressing human needs in many areas (e.g., community development, education, medical care, social services and the workplace).

ANTH3113

FORENSIC ANTHROPOLOGY: HUMAN SKELETAL BIOLOGY

Credits: 3

Prerequisite:

12 credits in Anthropology and/or Anthropology/Sociology or 6 credits Anthropology and BIOL2441 or BIOL3200. With permission of the instructor, a student lacking the prerequisite may be admitted on the basis of relevant practical experience and parallel formal training in other disciplines.

Exclusions:

Unavailable to students with credit for ANTH370.

Study of the human skeleton (bones and dentition) for applications of recovery in bioarchaeological and forensic anthropology settings. Students will learn how to determine age, sex, stature and individual characteristics from the skeleton. This course includes a lab component.

ANTH3143

MI'KMAQ LEXICOLOGY: APPLIED

Credits: 3

Cross-listed with ANTH3143 Students will conduct lexicological research on Mi'kmaq. Difficulties of capturing indigenous world views through English translation will be explored.

ANTH3800

DIRECTED INDEPENDENT STUDY: ANTHROPOLOGY

Credits: 6

Prerequisite:

Prerequisites: 12 credits in Anthropology and/or Sociology

Requires a special arrangement between an individual student and professor, endorsed by the Dean, to cover a topic unavailable in the regular offerings, at a third-year level. (See also the 3-credit versions, 3801 and 3803; compare the senior versions, 4801 and 4811/4813.) Intended only for a highly motivated student who has a special interest and who achieves goals without close supervision. A student needing an unscheduled course and who also needs more structure and direction should choose instead to arrange a tutorial in a course listed in the calendar. A student may take several courses as Directed Study in Anthropology and/or Sociology, to a maximum of 18 credits.

ANTH3801

DIRECTED INDEPENDENT STUDY: ANTHROPOLOGY

Credits: 3

Prerequisite:

12 credits in Anthropology and/or Sociology.

Requires a special arrangement between an individual student and professor, endorsed by the Dean, to cover a topic unavailable in the regular offerings, at a third-year level. (See also the 6-credit version, 3800; compare the senior versions, 4801 and 4811/4813.) Intended only for a highly motivated student who has a special interest and who achieves goals without close supervision. A student needing an unscheduled course and who also needs more structure and direction should choose instead to arrange a tutorial in a course listed in the calendar. A student may take several courses as Directed Study in Anthropology and/or Sociology, to a maximum of 18 credits.

ANTH3803

DIRECTED INDEPENDENT STUDY: ANTHROPOLOGY

Credits: 3

Prerequisite:

12 credits in Anthropology and/or Sociology.

Requires a special arrangement between an individual student and professor, endorsed by the Dean, to cover a topic unavailable in the regular offerings, at a third-year level. (See also the 6-credit version, 3800; compare the senior versions, 4801 and 4811/4813.) Intended only for a highly motivated student who has a special interest and who achieves goals without close supervision. A student needing an unscheduled course and who also needs more structure and direction should choose instead to arrange a tutorial in a course listed in the calendar. A student may take several courses as Directed Study in Anthropology and/or Sociology, to a maximum of 18 credits.

ANTH4100

CLASSICAL THEORY IN ANTHROPOLOGY

Credits: 6

Prerequisite:

18 credits in Anthropology and/or Sociology, including ANTH3100 or SOCO3300 (or SOCO230 or SOCO232).

Exclusions:

Unavailable to students with credit for ANTH or AN/S or SOCO440.

Each of the above three choices satisfies the four year major BA core requirement for Senior Seminar or a 4000 level Directed Study (6 credits). A seminar on major conceptual frameworks, debates, and figures in anthropological and/or sociological theory, from the mid-nineteenth to the mid-twentieth century.

ANTH4102

CONTEMPORARY ANTHROPOLOGICAL THEORY

Credits: 6

Prerequisite:

18 credits in Anthropology and/or Sociology, including ANTH3100 or SOCO3300 (or SOCO230 or SOCO232).

Exclusions:

Unavailable to students with credit for ANTH or AN/S or SOCO470.

Each of the above three choices satisfies the 4-year major BA core requirement for Senior Seminar or a 4000 level Directed Study (6 credits). A seminar on major conceptual frameworks, debates, and figures in anthropological and/or sociological theory, from the mid-twentieth century to the present.

ANTH4801

DIRECTED INDEPENDENT STUDY: ANTHROPOLOGY

Credits: 3

Prerequisite:

18 credits with 60% average in Anthropology and/or Sociology, including 6 credits above the 2000 level.

Requires a special arrangement between an individual student and professor, endorsed by the Dean, to cover a topic unavailable in the regular offerings, at a fourth-year level. (See also third-year versions, 3800 and 3801/3803.) A student seeking a more extended, project-focused senior experience should choose the 4811/4813 combination or 4900, but can take one or more 4801 courses for additional topics. AN/S, ANTH, SOCO 4801 is intended only for a highly motivated student who has a special interest and who gets things done without being closely supervised. A student needing an unscheduled course and who also needs

more structure and direction should choose instead to arrange a tutorial in a course listed in the calendar. A student may take several courses as Directed Study in Anthropology and/or Sociology, to a maximum of 18 credits. Can be credited toward four year major BA core requirement for Thesis/Directed Study (6 credits).

ANTH4811

DIRECTED INDEPENDENT PROJECT PROPOSAL: ANTHROPOLOGY, SENIOR LEVEL

Credits: 3

Prerequisite:

18 credits with 65% average in Anthropology and/or Sociology, including 6 credits above 2000 level and 6 credits in research methods (AN/S2210 or 2212); plus a one-page statement of objectives and an idea for a potential project and/or consultation with the professor before registration

Satisfies the Group 6 requirement for a Directed Study in the four year major BA core. The AN/S4811 and AN/S4813 together replace the old AN/S498. AN/S, ANTH, SOCO4811 is intended only for a senior student, concentrating in the discipline, who is planning also to complete 4813. The 4811/4813 combination is project-focused, as an alternative to the more rigorous 4900 thesis course. The 4811 includes development of a topic, literature search and submission of a project proposal. In some years the course may be provided as a tutorial, which requires a special arrangement between an individual student and professor, endorsed by the Dean. Alternatively, the course may be offered as a seminar scheduled by the department in conjunction with its regular course offerings in other years. (See also the third-year counterparts, 3800 and 3811/3813. For a 3-credit alternative to the project-focused 4811/4813, see 4801.) AN/S, ANTH, SOCO4811/4813 are intended only for a highly motivated student who has a special interest and who gets things done without being closely supervised. A student needing an unscheduled course and who also needs more structure and direction should choose instead to arrange a tutorial in a course listed in the calendar. A student may take several courses as Directed Study in Anthropology and/or Sociology, to a maximum of 18 credits.

ANTH4813

DIRECTED INDEPENDENT PROJECT IMPLEMENTATION: ANTHROPOLOGY, SENIOR LEVEL

Credits: 3

Prerequisite:

AN/S or ANTH or SOCO4811

In 4813 the student carries to completion the project developed in 4811. In some years, the course may be provided as a tutorial, which requires a special arrangement between an individual student and professor, endorsed by the Dean. Alternatively, the course may be offered as a seminar scheduled by the department in conjunction with its regular course offerings in other years. Can be credited towards the four year major BA core requirement for Thesis/Directed Study (6 credits).

ANTH4900

HONOURS THESIS, ANTHROPOLOGY

Credits: 6

Prerequisite:

24 credits with 75% average in Anthropology and/or Sociology, including 6 credits in research methods (AN/S2210 or 2212) and/or in theory (ANTH3100 or SOCO3300); plus a one-page statement of motives and aims in taking the course and/or consultation with the professor before registration

Satisfies Group 6 of the four year major BA core. Required for Honours. AN/S, ANTH, SOCO4900 is intended for high ability senior students specializing in Anthropology and/or Sociology, especially those who hope to prepare for admission to a Master's program. It is an individualized project, culminating in a formal thesis. In some years the course may be provided as a tutorial, which requires a special arrangement between an individual student and professor, endorsed by the Dean. Alternatively, the course may be offered as a seminar scheduled by the department in conjunction with its regular course offerings in other years. Students seeking a similar but somewhat less demanding experience should consider 4811 and 4813.

ARTT1100

DRAWING

Credits: 6

Exclusions:

Unavailable to students with credit for ARTT100.

Satisfies the Group 4, BA core requirement. An introductory studio course in the skills and techniques of drawing. Students progress from line through tone using a variety of media such as pencil and charcoal.

ARTT1101

DRAWING

Credits: 3

Exclusions:

Unavailable to students with credit for ARTT105.

Techniques in water-based media such as ink, watercolour and acrylic. Can be used for the Group 4, BA core requirement.

ARTT1102

PAINTING

Credits: 6

Exclusions:

Unavailable to students with credit for ARTT120

A studio course in the techniques and methods of painting. Media used include oils, acrylic, watercolour and egg tempura. Covers all aspects of painting, from surface preparation to final presentation. Satisfies the Group 4, BA core requirement.

ARTT1110

ART HISTORY

Credits: 6

Exclusions:

Unavailable to students with credit for ARTT340

A survey of Western Art from the pre-historic to the contemporary. Special emphasis is placed on the social context of the art in its era. Satisfies the Group 4 BA core requirement

ARTT2100

GENERAL STUDIO I

Credits: 6

Exclusions:

Unavailable to students with credit for ARTT210.

An introductory studio course in the basic techniques and principles behind the visual arts. Media which may be explored include drawing, painting, sculpture, pottery and print making.

ARTT2102

GENERAL STUDIO II

Credits: 6

Exclusions:

Unavailable to students with credit for ARTT220.

An advanced course in painting, with emphasis on colour and design. These theories may be placed in an abstract mode with the student choosing the direction of her/his painting.

ARTT2701

SPECIAL TOPICS IN ART

Credits: 3

ARTT4800

DIRECTED STUDY IN ART

Credits: 6

Prerequisite:

Any 1000 level and any 2000 level studio art course (ARTT1100 or ARTT1102 and ARTT2100).

See Department Chair for details.

BETW3989

BETW WORKPLACENT III

Credits: 3

BETW4989

BET WORK PLACEMENT IV

Credits: 3

BIOL1101

CELL & MOLECULAR BIOLOGY I

Credits: 3

Exclusions:

Unavailable to students with credit for BIOL101.

Introduces students to biology from the cellular and molecular perspectives. Major topics include cells as the basic units of life, evolution and variety of cells, macromolecules and organelles in cells, energy conversion in cells, cell reproduction and an introduction to DNA. Course includes lab component.

BIOL1101L

CELL & MOLECULAR BIOLOGY I LAB

Credits: 0

BIOL1103

EDIBLE PLANTS

Credits: 3

Exclusions:

This course is open to all students. Course credits may not be counted towards the areas of Major and Minor in the BSc programme.

Note:

Description added November 10, 2016

With growing consumer consciousness and the desire to increase consumer choice, the need to explain to consumers what it is they drink and eat has increased in the food industry. This course will introduce students to the study of edible plants that are sold in markets as well as plants used in processed food products (e.g. beer). The course is intended for non-science majors and will focus on morphology, origin, handling and processing, and quality of edible plants. Students will also learn about the importance of plants for sustainable food security and the increasing utilization of plant diversity in human diets worldwide.

BIOL1103L

EDIBLE PLANTS LAB

Credits: 0

Optional field trips to farms, food processing facilities, and markets in the local area.

BIOL1104

HUMAN BIOLOGY

Credits: 3

Exclusions:

Cannot be taken after BIOL2203, BIOL3203 or PUBH2104; this course is open to all students except course credits cannot count towards the areas of major and minor in the BSc programme.

Note:

Course description added November 10, 2016

An introduction to biological principles related to the structure and function of the human body. The course will explore fundamental terms and concepts using clinical examples, laboratory learning and references from the humanities, pop culture, social and

environmental issues. The course can be taken as a free elective in the BSc programme, but cannot be used as BIOL credit for the Biology Major or Minor. The course cannot be taken for credit after BIOL2203, BIOL3203 or PUBH2104, but it can be used for credit as a free elective if taken beforehand.

BIOL1104L

HUMAN BIOLOGY LAB

Credits: 0

BIOL1601

ORGANISMAL & EVOLUTIONARY BIOL

Credits: 3

Exclusions:

Unavailable to students with credit for BIOL104.

Introduction to biological organization and biodiversity. Major topics include diversity of form and function in living organisms, biological relationships, patterns of heredity and evolutionary processes. Course includes lab component.

BIOL1601L

ORGANISMAL & EVOLUTIONARY BIOL LAB

Credits: 0

BIOL2101

CELL & MOLECULAR BIOLOGY II

Credits: 3

Prerequisite:

BIOL1101 and BIOL1601

Exclusions:

Unavailable to students with credit for BIOL202, BIOL100 or BIOL102.

Introduces students to biology from the cellular and molecular perspectives. Major topics include division of cells (somatic and germ lines), genetics, DNA structure and replication, gene expression and genetic mutation. Course includes lab component.

BIOL2101L

CELL & MOLECULAR BIOLOGY II LAB

Credits: 0

BIOL2203

HUMAN ANATOMY

Credits: 3

Prerequisite:

Exclusions:

Unavailable to students with credit for BIOL360 or BIOL3200 or PUBH2104

A detailed study of the structural organization of the cells, tissues, organs, and organ systems of the human body. Emphasis will be placed on the gross and histological study of the integumentary, skeletal, muscular, nervous, endocrine, cardiovascular, lymphatic, respiratory, digestive, urinary, and reproductive systems. Labs focus on the examination and identification of anatomical structures using specimens and models. Course includes laboratory component.

BIOL2203L

HUMAN ANATOMY LAB

Credits: 0

Prerequisite:

BIOL1101 or permission of instructor

Exclusions:

Unavailable to students with credit for BIOL360 or BIOL3200 or PUBH2104

Labs focus on the examination of anatomical structures using specimens and models.

BIOL2204

HUMAN PHYSIOLOGY FOR NURSING

Credits: 3

Prerequisite:

BIOL2203, CHEM1104

Exclusions:

BIOL360, BIOL3200, BIOL3203, PUBH2104

This is an introductory physiology course designed for students applying or already admitted to the Bachelor of Science in Nursing Program (BScN). Students will acquire a basic understanding of the homeostatic regulations and mechanism underlying the function of the cells, tissues, and major organ systems of the human body, and will apply this knowledge to a selected set of clinical scenarios and pathophysiological states. Course includes laboratory component where students will perform clinically-based hands-on activities to apply their physiological knowledge. This course is not recommended for BSc students planning to go into medicine, physiotherapy, occupations therapy, dentistry, or pharmacy. By itself, this course cannot be used as a prerequisite course for 4th year physiology courses. This course has a required laboratory requirement.

BIOL2204L

HUMAN PHYSIOLOGY FOR NURSING LAB

Credits: 0

Note:

course description added november 22, 2016

Required laboratory component to accompany course.

BIOL2211

GENETICS

Credits: 3

Prerequisite:

BIOL1101 and BIOL2101 or permission of instructor.

Exclusions:

Unavailable to students with credit for BIOL266.

The gene as a fundamental unit of heredity with special emphasis on Mendelian principles, protein chemistry, linkage and genetic factors determining human characteristics, normal and abnormal. Course includes lab component

BIOL2211L

GENETICS LAB

Credits: 0

BIOL2225

DRUGS AND BEHAVIOR

Credits: 3

Prerequisite:

BIOL1101 and BIOL1601

Exclusions:

Unavailable to students with credit for BIOL225 or PSYC225.

Cross-listed with PSYC2251 This course will review the basic principles and concepts of pharmacology, psychology and neurophysiology. Then the course concentrates on drug classes, recreational (e.g. alcohol and marijuana) and prescribed (e.g. benzodiazepines and antidepressants) and details the specific drugs within each class.

BIOL2301

PLANT DEVELOPMENT & DIVERSITY

Credits: 3

Prerequisite:

BIOL1101 and BIOL1601 or permission of instructor.

Exclusions:

Unavailable to students with credit for BIOL205.

Note:

Normally offered every other year.

A study of plant development, physiology, anatomy and reproductive biology, providing an assessment of the biological functions and economic roles of the major classes of plants. Course includes lab component.

BIOL2301L

PLANT DEVELOPMENT & DIVERSITY LAB

Credits: 0

BIOL2411

INVERTEBRATE ZOOLOGY

Credits: 3

Prerequisite:

BIOL1101 and BIOL1601

Exclusions:

Unavailable to students with credit for BIOL245.

The major invertebrate phyla and their representatives with a special emphasis on the structural and functional homologies of each group, their phylogeny, life histories, physiology and ecological adaptations. Course includes lab component.

BIOL2411L

INVERTEBRATE ZOOLOGY LAB

Credits: 0

BIOL2441

INTRODUCTION TO VERTEBRATES

Credits: 3

Prerequisite:

BIOL1101 and BIOL1601

Exclusions:

Unavailable to students with credit for BIOL235.

An overview of vertebrate animals, with emphasis on their phylogenetic interrelationships, a review of the diagnostic characters of the major groups and a survey of past and modern diversity. Lectures will highlight major evolutionary trends, lifestyles, adaptations and interesting features of vertebrate life past and present. Course includes a lab component: labs involve the systematic dissection of study specimens, with examination of organ systems, their tissues and histology, with supplementary information from slides.

BIOL2441L

INTRODUCTION TO VERTEBRATES LAB

Credits: 0

BIOL2501

ENVIRONMENTAL BIOLOGY

Credits: 3

Prerequisite:

BIOL1101 or BIOL1601 or PUBH1101 and GEOL1103.

Exclusions:

Unavailable to students with credit for BIOL203.

Introduction to higher levels of biological organization. Major topics include ecosystem organization, adaptations of organisms to environment, ecosystem function and energy flow, populations and communities, effects of humans on the environment. Most laboratory sessions are field trips and as such, no evening lab sections will be offered. Course includes lab component.

BIOL2501L

ENVIRONMENTAL BIOLOGY LAB

Credits: 0

BIOL2503

PRINCIPLES OF ECOLOGY

Credits: 3

Prerequisite:

BIOL1601 or PUBH1101 and GEOL1205

Exclusions:

Unavailable to students with credit for BIOL275.

This course provides the foundation necessary for the study of ecology in upper level courses in biology. Students will explore the intricate relationships of organisms to one another and their surroundings, and examines these relationships across four levels of biological organization; individuals, populations, communities and ecosystems. The laboratory component will provide the opportunity for students to address ecological questions and to gain experience undertaking ecological research.

BIOL2503L

PRINCIPLES OF ECOLOGY LAB

Credits: 0

BIOL2504

ENVIRONMENTAL ISSUES

Credits: 3

Exclusions:

Unavailable to students with credit for BIOL203 BIOL2501.

This course provides a scientific introduction to environmental problems and their solutions, with emphasis on biological and ecological processes and their importance to global sustainability. Students will learn about the scale and magnitude of environmental variables, societal impediments to solving environmental problems, and to think critically about environmental issues. Topics include natural resource management waste management, environmental pollution, climate change, green energy, and their implications for human-environment relations.

BIOL2505

ECOSYSTEMS OF CAPE BRETON

Credits: 3

Exclusions:

Exclusions: Unavailable to students with credit for BIOL211 or MSIT211

MSIT is the Mi'kmaq word for 'everything together' and the MSIT courses are transdisciplinary science courses. The differences between MSIT and other science courses include the cultural context for the science concepts and the flexible, participatory approach to teaching and learning. In MSIT 2505 / BIO 2505, students will explore the major ecosystems of Cape Breton (Unama'ki) under the umbrella of Ecological Land Classification and the traditional knowledge of L'Nu (Mi'kmaq nation, indigenous to Eastern Canada). This course will be composed of approximately 24 classes over the fall term either with the Professor or as self-directed exercises (ie: readings and projects). As a science course, it will also have a separate lab/fieldwork section equivalent to approximately 3 hours per week to learn pertinent skills.

BIOL2505L

ECOSYSTEMS OF CAPE BRETON LAB

Credits: 0

BIOL3101

DESIGN, ANALYSIS, & INTERPRETATION OF QUANTITATIVE BIOLOGICAL RESEARCH

Credits: 3

Prerequisite:

BIOL2503 and either MATH1109 or MATH2106

Exclusions:

Unavailable to students with credit for BIOL389.

When and how to use quantitative methods in biological research. Students will learn how to design an observational or experimental study, as well as graphically summarize, analyse and interpret analyses of univariate and multivariate data from a biological research study. They will also learn about alternatives to the hypothesis testing paradigm for analyzing quantitative data.

BIOL3101L

DESIGN, ANALYSIS, & INTERPRETATION OF QUANTITATIVE BIOLOGICAL RESEARCH LAB

Credits: 0

BIOL3103

SUSTAINABLE LAND USE

Credits: 3

Prerequisite:

45 credits, including 6 credits of BIOL.

Note:

course description added nov 22, 2016

Do you want future generations to enjoy a quality of life as good as or better than yours? Combining the cultivation of different plant species may hold the answer to food security and meeting other material needs of future generations. Although human land use has often degraded the vegetation of natural ecosystems, this has not always been the case. The cultivation of multiple plant species in fields and forests has been a long tradition in cultural landscapes for the purpose of enhancing and sustaining the productivity of lands and forests. There is a rapidly growing body of scientific literature on the cultivation of multiple plant species often referred to as sustainable forest management, organic agriculture, or agro-forestry. This course critically discusses plant –ecological aspects of agriculture and forest

research.

BIOL3111

MOLECULAR REGULATION IN BIOLOGICAL SYSTEMS

Credits: 3

Prerequisite:

BIOL1101, BIOL2101 and CHEM2301 or permission of the instructor.

Exclusions:

Unavailable to students with credit for BIOL315.

Note:

Normally offered every other year.

The regulatory activities of prokaryotic and eukaryotic cells. Labs will introduce students to procedures routinely used by molecular biologists. Course includes lab component.

BIOL3111L

MOLECULAR REGULATION IN BIOLOGICAL SYSTEMS LAB

Credits: 0

BIOL3121

GENE MANIPULATION

Credits: 3

Prerequisite:

BIOL1101, BIOL2101 and CHEM2301 or permission of instructor.

Exclusions:

Unavailable to students with credit for BIOL317.

The course introduces the tools and procedures used by molecular biologists and genetic engineers. Labs provide applied skills in molecular procedures. Course includes lab component.

BIOL3121L

GENE MANIPULATION LAB

Credits: 0

BIOL3203

HUMAN PHYSIOLOGY

Credits: 3

Prerequisite:

Required: BIOL1101, BIOL2203, CHEM1104, CHEM1105.

Exclusions:

Unavailable to students with credit for BIOL2204, BIOL360 or BIOL3200 or PUBH2104

A detailed study of the functional aspects of the cells, tissues, organs, and organ systems of the human body, designed primarily for students pursuing a career in the natural sciences, health sciences and related programs. Emphasis will be placed on the study of homeostasis, cell signalling, neurophysiology, sensory physiology, endocrine and immune function, muscle physiology, cardiovascular and respiratory function, digestive processes, renal function, and reproduction. Course includes laboratory component.

BIOL3203L

HUMAN PHYSIOLOGY LAB

Credits: 0

Labs emphasize experiments on muscle mechanics, sensory physiology, and respiratory and cardiovascular function.

BIOL3231

ANIMAL PHYSIOLOGY

Credits: 3

Prerequisite:

BIOL2411, BIOL2441 CHEM1105 Recommended: CHEM2301

Exclusions:

Unavailable to students with credit for BIOL365.

Note:

Normally offered every other year. Changed pre-reques Dec 2014 edit.

This course introduces students to the principles of animal function by examining how

animals cope with environmental challenges. The evolution of major physiological systems is examined across major taxa, ranging from protists through vertebrates. Topics covered include cell signalling, endocrine regulation, osmoregulation, gas exchange, thermoregulation, circulations, locomotion, basic neurophysiology, and receptor physiology. Laboratory exercises emphasize the analysis and interpretation of physiological data. Course includes lab component.

BIOL3231L

ANIMAL PHYSIOLOGY LAB

Credits: 0

BIOL3331

PLANT TAXONOMY

Credits: 3

Prerequisite:

BIOL2503

Exclusions:

Unavailable to students with credit for BIOL302.

A study of the principles of plant classification with application to personal collections and the evolutionary relationships, origins and distributions of all vascular plants with major emphasis on the angiosperms. Course includes lab component.

BIOL3331L

PLANT TAXONOMY LAB

Credits: 0

BIOL3431

ENTOMOLOGY

Credits: 3

Prerequisite:

BIOL2503

Exclusions:

Unavailable to students with credit for BIOL375.

Note:

Normally offered every other year.

Most kinds of living organisms are insects. Practical skills in collecting insects, identification and curation of collections are developed. These are complemented by an understanding of insect systematics and biology. Course includes lab component.

BIOL3431L

ENTOMOLOGY LAB

Credits: 0

BIOL3433

HISTORY OF LIFE

Credits: 3

Prerequisite:

6 credits of 2000 level Biology or GEOL1103 and 3 credits of 2000 level Biology

This course is an overview of the history of life since its beginnings nearly 4 billion years ago and up to the appearance of modern humans in the Pleistocene. Lectures will review major milestones in life history, including the requirements for and the origins of life, the early diversification of animals, the chronology of major evolutionary advances, mass extinctions and their legacies, and the influence of geophysical phenomena on life.

BIOL3451

ORNITHOLOGY

Credits: 3

Prerequisite:

BIOL2503

Exclusions:

Unavailable to students with credit for BIOL387.

An introduction to the biology of birds focusing on evolution, morphology, behaviour, life history and mating systems and communication and conservation. Labs focus on morphology, behaviour and identification, with an emphasis on birds of Eastern Canada and Cape Breton in particular. Course includes lab component.

BIOL3451L

ORNITHOLOGY LAB

Credits: 0

BIOL3501

NATURAL HISTORY OF CAPE BRETON

Credits: 3

Prerequisite:

BIOL2503

Exclusions:

Unavailable to students with credit for BIOL393.

Note:

Normally offered every other year.

Field trips to interesting natural areas on Cape Breton highlight this course. Field work focuses on the identification of plants, birds and insects. Assignments focus on the interpretation of the field observations and the ability to communicate clearly to other biologists and the public. Course includes lab component.

BIOL3501L

NATURAL HISTORY OF CAPE BRETON LAB

Credits: 0

BIOL3503

ANIMAL BEHAVIOUR

Credits: 3

Prerequisite:

BIOL1601 and BIOL2503 (Biology) or 12 credits in PSYC, with a 60% average (Psychology)

Exclusions:

Unavailable to students with credit for BIOL395

Note:

A student may complete a maximum of six credits from BIOL3801, 3803, 3804, 3805, 397 and 399. Change pre reqs - july 24, 2017 from "BIOL1601and BIOL2501or BIOL2503" to current.

Cross-listed with PSYC3204 Provides opportunities to discover the influence of evolution, genetics, development and physiology on the feeding, antipredator behaviour and mating behaviour of animals. Students participate in the process of science by making and reporting on field observations. Course includes lab component.

BIOL3503L

ANIMAL BEHAVIOUR LAB

Credits: 0

BIOL3504

MOLECULAR ECOLOGY

Credits: 3

Prerequisite:

Prerequisites: BIOL3601

Note:

course description added june 21 2019

Molecular genetic tools and techniques are revolutionizing the fields of ecology and evolutionary biology. This course will explore the application of molecular genetic approaches to fundamental questions in ecology, evolution, behaviour, and conservation. Lectures will provide the theory and principles underlying molecular ecology, and will expose students to current ecological studies employing molecular tools in marine and freshwater environments. The lab component will provide hands-on experience generating and analyzing molecular datasets and will familiarize students with commonly used techniques to investigate population structure, parentage, species presence/absence, geographic boundaries, and phylogenetic relationships. Student will also work in groups to undertake a small research project using one of the molecular techniques highlighted during the course.

BIOL3504L

MOLECULAR ECOLOGY LAB

Credits: 0

BIOL3521

STREAM ECOLOGY

Credits: 3

Prerequisite:

BIOL2503

Exclusions:

Unavailable to students with credit for BIOL383.

Note:

Normally offered every other year. course desc changed june 21, 2019 bk

A study of the interrelationships between the physical and biological aspects of the structure and function of freshwater ecosystems with a focus on streams, rivers, and lakes of Cape Breton. The impact of human activities such as urbanization, forestry, impoundments and agriculture will be addressed. Most laboratory work will be carried out in the field. Course includes lab component.

BIOL3521L

STREAM ECOLOGY LAB

Credits: 0

BIOL3523

MARINE ECOLOGY

Credits: 3

Prerequisite:

BIOL2503; BIOL2411 recommended

Exclusions:

Unavailable to students with credit for BIOL385.

Note:

Normally offered every other year.

This course focuses on ecological relationships among marine plants and animals from the perspective of adaptation. Readings from text and primary scientific literature. Field-based laboratories make use of the diversity of coastal marine habitats in Cape Breton. Students are required to do a project and present their results both in writing and orally. Course includes lab component.

BIOL3523L

MARINE ECOLOGY LAB

Credits: 0

BIOL3541

PLANT ECOLOGY

Credits: 3

Prerequisite:

BIOL2503

Exclusions:

Unavailable to students with credit for BIOL351 or MSIT351.

Note:

Normally offered every other year.

Cross-listed with MSIT3105 The study of Acadian forest systems will continue with an in-depth view of plant assemblages and the relationship to habitat, process, structure and function. Studies will be extended to the non-vascular plants. Relationships and differences between major plant divisions and plant-animal interactions will be considered. Emphasis will be placed on acquiring this knowledge in the field. Course includes lab component.

BIOL3541L

PLANT ECOLOGY LAB

Credits: 0

BIOL3601

EVOLUTION

Credits: 3

Prerequisite:

BIOL2211 and BIOL2503

Exclusions:

Unavailable to students with credit for BIOL367.

Evolution by natural selection is one of the important ideas in Western science and the central concept in modern biology. The focus is on evolution as fact, as theory, natural selection as the major mechanism, and its genetic basis.

BIOL3801

DIRECTED STUDY IN BIOLOGY

Credits: 3

An in-depth literature study in an area not covered by other biology courses. Registration is contingent upon availability of a faculty supervisor. In the term preceding the expected start date for this course, the student must produce an outline of the proposed study. Consult the Department Chair for details.

BIOL3803

DIRECTED STUDY IN BIOLOGY

Credits: 3

An in-depth literature study in an area not covered by other biology courses. Registration is contingent upon availability of a faculty supervisor. In the term preceding the expected start date for this course, the student must produce an outline of the proposed study. Consult the Department Chair for details.

BIOL3804

INDEPENDENT PROJECT IN BIOLOGY

Credits: 3

A research project in an area of interest. Registration is contingent upon availability of a faculty supervisor. In the term preceding the expected start date for this course, the student must produce a research proposal for the project. Consult the Department Chair for details.

BIOL3805

INDEPENDENT PROJECT IN BIOLOGY

Credits: 3

A research project in an area of interest. Registration is contingent upon availability of a faculty supervisor. In the term preceding the expected start date for this course, the student must produce a research proposal for the project. Consult the Department Chair for details.

BIOL4121

ADVANCED TOPICS IN GENE MANIPULATION & BIOTECHNOLOGY

Credits: 3

Prerequisite:

BIOL3121 with a grade of at least 65% or permission of the instructor.

Exclusions:

Unavailable to students with credit for BIOL417.

Note:

Normally offered every other year.

A continuation of the study of molecular biology initiated in BIOL3121. Topics include a description of specialized vectors and advanced procedures and of their use in modern agriculture, industry and medicine. Course includes lab component.

BIOL4121L

ADVANCED TOPICS IN GENE MANIPULATION & BIOTECHNOLOGY LAB

Credits: 0

BIOL4201

NEUROBIOLOGY

Credits: 3

Prerequisite:

BIOL3203 or PSYC3213

Exclusions:

Unavailable to students with credit for BIOL423 or PSYC423.

Cross-listed with PSYC4231 This course introduces basic anatomical and physiological principles of neuroscience extending from the basic biophysical properties of neurons and glia, to the physiological basis of sensory processing, motor behaviour and learning memory. Differs from PSYC321 in that basic physiology is studied in greater depth and there is no attempt at a general survey of behaviour.

BIOL4203

ADVANCED HUMAN PHYSIOLOGY

Credits: 3

Prerequisite:

BIOL2203 and BIOL3203, or BIOL2203, BIOL2204 and BIOL3231

This course builds on the concepts learnt in Human Anatomy (BIOL2203) and Human Physiology (BIOL3203) to further enhance the students' understanding of physiological principles and their applications, and recent research findings. A major focus on this course is the development of scientific writing skills, oral presentation skills and team work skills related to the field of human physiology. Course includes laboratory component. Laboratory sessions make use of computer-assisted learning and laboratory experiments, where students will act both as investigators and experimental subjects.

BIOL4203L

ADVANCED HUMAN PHYSIOLOGY LAB

Credits: 0

BIOL4241

GENERAL PARASITOLOGY

Credits: 3

Prerequisite:

BIOL2411 and at least 12 credits in Biology. .

Exclusions:

Unavailable to students with credit for BIOL405

An introduction to parasitology, citing examples from the protozoans, helminths and arthropods of humans, domestic animals and wildlife. Transmission and impacts on individual hosts and populations are emphasized. Course includes lab component. Offered pending faculty availability.

BIOL4241L

GENERAL PARASITOLOGY LAB

Credits: 0

BIOL4251

BIOMECHANICS

Credits: 3

Prerequisite:

BIOL3203 or BIOL3231

Exclusions:

Unavailable to students with credit for BIOL455.

Note:

Normally offered every other year. Course des changed on June 21, 2019

A study of the mechanical properties and functional morphology of the human body and few additional vertebrate examples, with an emphasis on motion. Course includes lab component.

BIOL4251L

BIOMECHANICS LAB

Credits: 0

BIOL4431

INSECT BIOLOGY & SYSTEMATICS

Credits: 3

Prerequisite:

BIOL3431, with a mark of at least 70% recommended.

Exclusions:

Unavailable to students with credit for BIOL401.

Emphasize insect systematics, phylogenetics, structure, function and biogeography. Through field collections, curation of the CBU collection, oral presentations and research papers, students will develop expertise in these areas of entomology. Course includes lab component. Offered pending faculty availability.

BIOL4431L

INSECT BIOLOGY & SYSTEMATICS LAB

Credits: 0

BIOL4444

DINOSAUR PALEONTOLOGY

Credits: 3

Prerequisite:

BIOL2441 or BIOL3601

This course is an overview of non-avian dinosaurs, which were the most conspicuous and numerous land animals during the Age of Reptiles (a.k.a. the Mesozoic Era). This course will review current understanding of the anatomy and systematics of the major groups of dinosaurs, survey investigations into the origin and early diversification of the group, review studies of dinosaurian trace fossils and hypotheses of dinosaurian biology and behaviour, look at theropod origins of birds, and examine the extinction of non-avian dinosaurs

BIOL4453

ICHTHYOLOGY: THE BIOLOGY OF FISHES

Credits: 3

Prerequisite:

BIOL2503

Exclusions:

Unavailable to students with credit for BIOL485.

Note:

Normally offered every other year.

A comprehensive look at the evolution and phylogenetic relationships of fishes. Students survey their morphological, physiological, behavioural and ecological adaptations to their aquatic environments. Conservation management of fish habitats will be discussed. The laboratory will include studies of structural diversity, anatomy and osteology, morphometrics, age and growth and other selected topics. Course includes lab component.

BIOL4453L

ICHTHYOLOGY: THE BIOLOGY OF FISHES LAB

Credits: 0

BIOL4501

THEORETICAL ECOLOGY

Credits: 3

Prerequisite:

BIOL2503

Exclusions:

Unavailable to students with credit for BIOL475.

Examines a broad spectrum of ecological theories, from optimal individual strategies to population interactions, theories of community, ecosystems and global stability within an evolutionary framework

BIOL4503

BEHAVIORAL ECOLOGY

Credits: 3

Prerequisite:

BIOL3503.

Exclusions:

Unavailable to students with credit for BIOL495.

Note:

Normally offered every other year. A student may complete a maximum of six credits from BIOL4801, BIOL4803, BIOL4804, BIOL4805, BIOL497, and BIOL499.

Behavioural ecology asks questions about why animals do what they do from an evolutionary perspective. Mate choice, chemical defence, avoidance behaviour, social evolution and foraging preferences may all be considered. Students participate in the process of science by making and reporting on field observations. Course includes lab component.

BIOL4503L

BEHAVIORAL ECOLOGY LAB

Credits: 0

BIOL4505

MONITORING BIODIVERSITY

Credits: 3

Prerequisite:

BIOL3331 and BIOL3541 or permission of instructor.

Exclusions:

Unavailable to students with credit for BIOL441.

Note:

Normally offered every other year.

Exploration of key issues and strategies behind ecological monitoring programs including background research, implementation and long-term conduct. Examination of international programs implemented locally (e.g. EMAN and Man in the Biosphere). Discussion of classification systems for natural areas in Nova Scotia and exploration of examples. Course includes lab component.

BIOL4505L

MONITORING BIODIVERSITY LAB

Credits: 0

BIOL4601

EVOLUTIONARY THEORY

Credits: 3

Prerequisite:

BIOL3601.

Exclusions:

Unavailable to students with credit for BIOL467.

Students critically assess controversies in evolutionary biology, such as sexual selection, punctuated equilibrium, human origins and HIV evolution. Choice of a topic for investigation is based on an individual's interests and expertise. Students gain expertise in writing, editing and oral presentation of complex ideas. Course includes lab component. Offered pending faculty availability.

BIOL4601L

EVOLUTIONARY THEORY LAB

Credits: 0

BIOL4603

PHYLOGENETIC SYSTEMATICS

Credits: 3

Prerequisite:

BIOL3601 or permission of instructor.

Exclusions:

Unavailable to students with credit for BIOL469.

An introduction to the theory and practice of phylogenetic systematics, the predominant methodology for evaluating the interrelationships of organisms. Students will learn the basic techniques of character analysis, tree building and evaluation of phylogenetic hypotheses. Application of methodology to classification, co-evolutionary studies, biogeography and extinction studies. Course includes lab component.

BIOL4603L

PHYLOGENETIC SYSTEMATICS LAB

Credits: 0

BIOL4801

DIRECTED STUDY IN BIOLOGY

Credits: 3

Prerequisite:

60 credits with an average of 70% in Biology courses completed.

An in-depth literature study in an area not covered by other Biology courses. Registration is contingent upon availability of a faculty supervisor. In the term preceding the expected start date for this course, the student must produce an outline of the proposed study. Consult the Department Chair for details.

BIOL4803

DIRECTED STUDY IN BIOLOGY

Credits: 3

Prerequisite:

60 credits with an average of 70% in Biology courses completed.

An in-depth literature study in an area not covered by other Biology courses. Registration is contingent upon availability of a faculty supervisor. In the term preceding the expected start date for this course, the student must produce an outline of the proposed study. Consult the Department Chair for details.

BIOL4804

INDEPENDENT PROJECT IN BIOLOGY

Credits: 3

Prerequisite:

60 credits with an average of 70% in Biology courses completed.

A research project in an area of interest. Registration is contingent upon availability of a faculty supervisor. In the term preceding the expected start date for this course, the student must produce a research proposal for the project. Consult the Department Chair for details.

BIOL4805

INDEPENDENT PROJECT IN BIOLOGY

Credits: 3

Prerequisite:

60 credits with an average of 70% in Biology courses completed.

A research project in an area of interest. Registration is contingent upon availability of a faculty supervisor. In the term preceding the expected start date for this course, the student must produce a research proposal for the project. Consult the Department Chair for details.

BIOL4900

BIOLOGY THESIS

Credits: 6

Prerequisite:

Admission and fourth-year standing in the BSc with Honours Biology program.

Includes the preparation of an original research proposal, completion of the proposed research project, analysis of data, preparation of a written thesis and oral defence of this thesis. Students planning to register in this course must consult the Department Chair in the term preceding the expected start date of the project.

BOMN5103

STATISTICAL APPLICATIONS IN MANAGEMENT

Credits: 3

BOMN5104

ORGANIZATIONS: BEHAVIOR & STRUCTURE

Credits: 3

BOMN5106

MARKETING

Credits: 3

BOMN5108

ECONOMICS FOR MANAGERS

Credits: 3

BOMN5109

ACCOUNTING FOR MANAGEMENT

Credits: 3

BOMN5204

HUMAN RESOURCE MANAGEMENT

Credits: 3

BOMN5205

INFORMATION SYSTEMS

Credits: 3

BOMN5206

MANAGERIAL FINANCE

Credits: 3

BOMN5207

OPERATIONS MANAGEMENT

Credits: 3

BOMN5208

STRATEGIC MANAGEMENT

Credits: 3

BUSS2989

CO-OP WORK TERM I

Credits: 3

Exclusions:

BUSS501, BUSS1999

A paid internship providing students with full-time career related employment, usually 12-16 weeks in duration. Interns apply business theories and concepts studied in the classroom in meaningful work situations and build on professional development skills. Monitoring the intern's professional development and the evaluation of the intern's progress are conducted by the student placement officer, a faculty facilitator and the employer.

BUSS3989

CO-OP WORK TERM II

Credits: 3

BUSS4989

CO-OP WORK TERM III

Credits: 3

BUSS5800

CAPSTONE PROJECT

Credits: 6

BUSS5989

BUSINESS INTERNSHIP

Credits: 6

Prerequisite:

Prerequisites: Completion of 21 credits in post- baccalaureate Diploma program

Note:

Entered: September 21, 2018 SML

The internship provides an opportunity for students to integrate academic learning with an employment or volunteer experience. The internship is intended to help students to explore careers and develop linkages between classroom knowledge and business practice. Normally, students complete 12 weeks of business practice or academic research work through the Business Internship placement

CHEM1101

GENERAL CHEMISTRY FOR NURSING & ALLIED HEALTH SCIENCES

Credits: 3

Prerequisite:

Grade 11 Academic Chemistry. Recommended: Grade 12 Academic Chemistry.

Exclusions:

Unavailable to students with credit for CHEM101, CHEM110, CHEM1104 or CHEM121.

The principles of general chemistry for students requiring no more than 6 credits in chemical science. Emphasis is placed on the biological relevance of the chemistry principles discussed and their applicability to the health sciences. This course does not satisfy the requirements of CBU BSc programs other than the BSc Nursing. It does not satisfy the requirements of BTech or Bachelor of Engineering Technology programs. It does satisfy the requirements for the Bachelor of Health Sciences (Public Health). It is not a sufficient chemistry prerequisite for medical, dental or veterinary programs of study.

CHEM1101L

GENERAL CHEMISTRY FOR NURSING & ALLIED HEALTH SCIENCES LAB

Credits: 0

Lab component for CHEM1101.

CHEM1103

INTRODUCTORY ORGANIC CHEMISTRY FOR NURSING & ALLIED HEALTH SCIENCES

Credits: 3

Prerequisite:

CHEM1101

Exclusions:

Unavailable to students with credit for CHEM102, CHEM110, CHEM1105, or CHEM122.

This course does not satisfy the requirements of CBU BSc programs other than the BSc Nursing. It does not satisfy the requirements of BTech or Bachelor of Engineering Technology programs. It does satisfy the requirements for the Bachelor of Health Sciences (Public Health). It is not a sufficient chemistry prerequisite for medical, dental, or veterinary programs of study. The principles of organic and biochemistry for students requiring no more than 6 credits in chemical science. Emphasis is placed on the biological relevance of the chemistry principles discussed and their applicability to the health sciences.

CHEM1103L

INTRODUCTORY ORGANIC CHEMISTRY FOR NURSING & ALLIED HEALTH SCIENCES LAB

Credits: 0

Lab component for CHEM1103.

CHEM1104

GENERAL CHEMISTRY I

Credits: 3

Prerequisite:

Grade 12 with a grade of at least 60% OR 3 credits in a lab science and 3 credits in mathematics at the university level.

Exclusions:

Unavailable to students with credit for CHEM121, CHEM1101 or CHEM101.

A description of the properties of matter and their correlation with modern theoretical

principles of chemistry. Topics include: atoms, molecules, and ions; formulas and equations; the Periodic Table; electronic structure of atoms; chemical bonding, and gases and change of state. Course includes lab component.

CHEM1104L

GENERAL CHEMISTRY I LAB

Credits: 0

Lab component for CHEM1104.

CHEM1105

GENERAL CHEMISTRY II

Credits: 3

Prerequisite:

CHEM1104

Exclusions:

Unavailable to students with credit for CHEM122, CHEM1103 or CHEM102.

Topics include intermolecular forces in solids, liquids, gases and change of state; enthalpy; entropy, and free energy. Rates of reaction, reaction mechanisms, equilibrium, acid-base reactions, electrolytes and voltaic cells and overview of organic chemistry. Course includes lab component.

CHEM1105L

GENERAL CHEMISTRY II LAB

Credits: 0

Lab component for CHEM1105.

CHEM1401

PETROLEUM CHEMISTRY

Credits: 3

Exclusions:

Exclusions: Unavailable to students with credit for CHEM121, CHEM122, CHEM1101, CHEM1103, CHEM1104 and CHEM1105.

This course examines the basic chemistry, characteristics and properties of hydrocarbons in the context of petroleum engineering technology. It covers the Basic chemical concepts. Atomic and molecular structure. Chemical bonding using inorganic and organic examples. A study of the states of matter. Composition and characteristics of petroleum: hydrocarbons and non-hydrocarbon components. The basic laws of thermodynamics and their applications. Gas laws, changes of state and phase diagrams of pure substances and mixtures as relates to oil and gas. Acid-base and solubility equilibria. Oxidation-reduction reactions and electrochemical process as relates to corrosion (reactions, monitoring and control). It is a terminal chemistry course and will not be used as prerequisite for any other chemistry course.

CHEM1401L

PETROLEUM CHEMISTRY LAB

Credits: 0

Lab component for CHEM1401.

CHEM2103

GEOCHEMISTRY

Credits: 3

Prerequisite:

CHEM1105 and GEOL1105

Cross-listed with GEOL2103 This course examines the applications of basic chemical principles from an earth science perspective. It covers the geochemical processes involved in the formation of rocks and mineral, the evolution of crustal and surface environments, and the behaviour of different groups of chemical elements in geological environments. Applications of geochemical principals in isotope geochemistry (stable and radioactive), tracer geochemistry, and public health will be examined.

CHEM2103L

GEOCHEMISTRY LAB

Credits: 0

Lab component for CHEM2103.

CHEM2201

CHEMICAL THERMODYNAMICS

Credits: 3

Prerequisite:

CHEM1105 and MATH1206.

Exclusions:

Unavailable to students with credit for CHEM201

Cross-listed with PHYS2101 The theoretical basis of the fundamental principles of chemistry will be discussed. The emphasis is on derivations and the physical meaning of these. Topics include thermodynamics, solutions and phase equilibria. Students will be introduced to data handling by computer. Course includes lab component

CHEM2201L

CHEMICAL THERMODYNAMICS LAB

Credits: 0

Lab component for CHEM2201.

CHEM2203

CHEMICAL KINETICS & EQUILIBRIUM

Credits: 3

Prerequisite:

CHEM1105 and MATH1206. Recommended: CHEM2201.

Exclusions:

Unavailable to students with credit for CHEM202.

This course will examine the kinetics and equilibria of chemical systems. Topics include molecular kinetic theory of gases; rates of chemical reactions, both experimentally and theoretically; and the equilibria of chemical reactions. Laboratory experiments will focus on the techniques and instrumentation used to study chemical kinetics and equilibria. Students will be introduced to data handling by computer. Course includes lab component.

CHEM2203L

CHEMICAL KINETICS & EQUILIBRIUM LAB

Credits: 0

Lab component for CHEM2203.

CHEM2205

PHYSICAL CHEMISTRY I

Credits: 3

Prerequisite:

Prerequisite: CHEM1105.

Exclusions:

Exclusions: Unavailable to students with credit for CHEM2201

Note:

Added July 18, 2019

In this course, the physical principles underlying chemical systems and reactivity will be explored, with an emphasis on the forces between molecules and the properties of matter. Principles of thermodynamics will be presented, including thermochemistry, entropy and free-energy relationships. Applications include phase equilibria, chemical equilibria, solutions, colligative properties, and electrochemistry. Course includes lab component.

CHEM2205L

PHYSICAL CHEMISTRY I LAB

Credits: 0

CHEM2301

INTRODUCTORY ORGANIC CHEMISTRY I

Credits: 3

Prerequisite:

CHEM1105.

Exclusions:

Unavailable to students with credit for CHEM221.

This course is an introduction to the chemistry of carbon compounds, both aliphatic and aromatic, and involves a survey of the major functional groups. Emphasis is placed on the close connections between modern organic, biology and biochemistry. Course includes lab component.

CHEM2301L

INTRODUCTORY ORGANIC CHEMISTRY I LAB

Credits: 0

Lab component for CHEM2301.

CHEM2303

INTRODUCTORY ORGANIC CHEMISTRY II

Credits: 3

Prerequisite:

CHEM2301.

Exclusions:

Unavailable to students with credit for CHEM222.

This course introduces the student to the major types of organic reactions. Reaction mechanisms and the role of intermediates are discussed, as are topics in stereochemistry and spectroscopy, IR, NMR, UV-VIS and mass spectroscopy. Course includes lab component.

CHEM2303L

INTRODUCTORY ORGANIC CHEMISTRY II LAB

Credits: 0

Lab component for CHEM2303.

CHEM2401

INDUSTRIAL CHEMISTRY

Credits: 3

Prerequisite:

CHEM2301.

Exclusions:

Unavailable to students with credit for CHEM245.

The course covers practical applications of chemistry to industry. Review of typical chemical industries and modern production plants in Canada and around the world. Review of activities of and visits to chemical industries in Atlantic Canada. Chemical terms and nomenclatures, basic process calculations, and flowcharts. Basic principles of processing equipment, distillation units, reactors, heat exchangers, scrubbers, and driers. Introductory material and energy balances. Inorganic chemical processes for phosphoric acid, super phosphate, ammonia, synthesis gas, sulphuric acid. Organic chemical processes from petroleum, natural gas, crude oil, bitumen, lubricants properties and processing. Petrochemical processes, polymer and resins precursors, and synthetic rubber. Course

includes lab component.

CHEM2401L

INDUSTRIAL CHEMISTRY

Credits: 0

Lab component for CHEM2401.

CHEM2403

INTRODUCTORY ANALYTICAL CHEMISTRY

Credits: 3

Prerequisite:

CHEM1105.

Exclusions:

Unavailable to students with credit for CHEM285.

An intensive study of chemical equilibria including acid/base, precipitation, complex and electrochemical as well as statistical methods for analyzing data and some instrumental methods of analysis. Laboratories involve the quantitative analysis of unknowns. Course includes lab component.

CHEM2403L

INTRODUCTORY ANALYTICAL CHEMISTRY LAB

Credits: 0

Lab component for CHEM2403.

CHEM2404

ENVIRONMENTAL CHEMISTRY

Credits: 3

Prerequisite:

Prerequisites: CHEM1104 and CHEM1105 or permission of instructor.

Exclusions:

Exclusions: Unavailable to students with credit for CHEM213.

The course begins with a review of the fundamental chemical principles relevant to aqueous systems. This is followed by an examination of the primary water quality parameters, analysis methods and treatment strategies presently utilized in the study of water/wastewater. The laboratory portion of the course involves specific sampling and analysis procedures. Course includes lab component.

CHEM2404L

ENVIRONMENTAL CHEMISTRY LAB

Credits: 0

Lab component for CHEM2404.

CHEM2501

INTRODUCTORY INORGANIC CHEMISTRY

Credits: 3

Prerequisite:

CHEM1105.

Exclusions:

Unavailable to students with credit for CHEM255

The fundamentals of Inorganic Chemistry involving a study of the electronic structure, properties, reactivity and bonding characteristics of the main group elements. Laboratory experiments involve qualitative analysis of these elements and their compounds. Course includes lab component.

CHEM2501L

INTRODUCTORY INORGANIC CHEMISTRY LAB

Credits: 0

Lab component for CHEM2501.

CHEM2601

INTRODUCTORY BIOCHEMISTRY

Credits: 3

Prerequisite:

CHEM2301

Exclusions:

Unavailable to students with credit for CHEM261.

A study of the unifying concepts of biochemistry, the structure of proteins, enzymes, nucleic acids, carbohydrates, lipids and a brief introduction to their metabolism. Course includes lab component.

CHEM2601L

INTRODUCTORY BIOCHEMISTRY LAB

Credits: 0

Lab component for CHEM2601.

CHEM3201

MATHEMATICS FOR CHEMISTRY I

Credits: 3

Prerequisite:

MATH1206 or equivalent and 9 credits in Chemistry.

Exclusions:

Unavailable to students with credit for CHEM301 or MATH251

Note:

Normally offered every other year.

Cross-listed with MATH2113 Topics covered will include the application of ordinary differential equations, vector algebra, matrices, determinants and operators to such areas of chemistry as point group theory, modern molecular orbital theory, factor analysis and eigenvalue problems. Course includes lab component.

CHEM3201L

MATHEMATICS FOR CHEMISTRY I LAB

Credits: 0

Lab component for CHEM3201.

CHEM3203

MATHEMATICS FOR CHEMISTRY II

Credits: 3

Prerequisite:

MATH1206 or equivalent, 9 credits in Chemistry and an introductory course in computing applications.

Exclusions:

Unavailable to students with credit for CHEM302 or MATH252.

Note:

Normally offered every other year.

Cross-listed with MATH2214 An overview of modern computer applications in chemistry. Topics will include use of software packages for molecular modeling, solution of simultaneous linear equations, linear and nonlinear least squares, regression on systems with two and three parameters and interpolation of experimental data. Course includes lab component.

CHEM3203L

MATHEMATICS FOR CHEMISTRY II LAB

Credits: 0

Lab component for CHEM3203.

CHEM3204

SYMMETRY & MOLECULAR SPECTROSCOPY

Credits: 3

Prerequisite:

CHEM1105, MATH1206, PHYS1204 and at least third year academic standing or permission of the instructor.

Exclusions:

Unavailable to students with credit for CHEM305.

Note:

Normally offered every other year.

This course will introduce students to group theory and its application in molecular spectroscopy. The molecular basis of electronic, rotational and rotational-vibrational spectroscopies will be studied. Course includes lab component.

CHEM3204L

SYMMETRY & MOLECULAR SPECTROSCOPY LAB

Credits: 0

Lab component for CHEM3204.

CHEM3301

INTERMEDIATE ORGANIC CHEMISTRY

Credits: 3

Prerequisite:

CHEM2303.

Exclusions:

Unavailable to students with credit for CHEM325.

Note:

Normally offered every other year.

A study of organic reaction mechanisms, condensation reactions, symmetry-controlled reactions and a survey of heterocyclic chemistry. Course includes lab component.

CHEM3301L

INTERMEDIATE ORGANIC CHEMISTRY LAB

Credits: 0

Lab component for CHEM3301.

CHEM3401

ANALYTICAL SPECTROSCOPY

Credits: 3

Prerequisite:

CHEM2303 or CHEM2403.

Exclusions:

Unavailable to students with credit for CHEM385.

Note:

Normally offered every other year.

The principles of operation and selected applications of modern spectrochemical methods of analysis. Emphasis is placed on instrument components. Course includes lab component.

CHEM3401L

ANALYTICAL SPECTROSCOPY LAB

Credits: 0

Lab component for CHEM3401.

CHEM3403

ANALYTICAL SEPARATIONS

Credits: 3

Prerequisite:

CHEM2303 or CHEM2403.

Exclusions:

Unavailable to students with credit for CHEM386

Note:

Normally offered every other year.

The applications of separation techniques to chemical analysis. The theoretical principles of various instrumental methods are explained and applications are examined. Emphasis is placed on HPLC and GC/MS. Course includes lab component.

CHEM3403L

ANALYTICAL SEPARATIONS LAB

Credits: 0

Lab component for CHEM3403.

CHEM3404

FUNDAMENTALS OF CHEMICAL ENGINEERING

Credits: 3

Prerequisite:

Prerequisites: Second year standing and CHEM1105 and MATH1206.

Exclusions:

Exclusions: Unavailable to students with credit for CHEM345.

Cross-listed with ENGI2165 Preliminary terms and concepts are reviewed, followed by the presentation of fundamental thermodynamic properties including heat and work. These properties, along with the zeroth, first and second laws of thermodynamics, are used to examine various closed and open thermodynamic systems. Related topics introduced during this examination include reversibility, thermal efficiency, entropy and energy. The course concludes with an understanding of gas and vapour power cycles. Course includes lab component.

CHEM3404L

FUNDAMENTALS OF CHEMICAL ENGINEERING LAB

Credits: 0

Lab component for CHEM3404.

CHEM3501

INTERMEDIATE INORGANIC CHEMISTRY

Credits: 3

Prerequisite:

CHEM2501.

Exclusions:

Unavailable to students with credit for CHEM355.

Note:

Normally offered every other year.

This course is a continuation of CHEM2501 with an emphasis on the transition metals, lanthanides, and actinides. The chemical and physical properties of their compounds are discussed using modern bonding theories. The lab component will involve the preparation and characterization of compounds discussed in class. Course includes lab component.

CHEM3501L

INTERMEDIATE INORGANIC CHEMISTRY LAB

Credits: 0

Lab component for CHEM3501.

CHEM3601

INTERMEDIATE BIOCHEMISTRY

Credits: 3

Prerequisite:

CHEM2601.

Exclusions:

Unavailable to students with credit for CHEM365.

The metabolism of the substances studied in CHEM2601 is discussed in more detail. Course includes lab component.

CHEM3801

DIRECTED STUDY IN CHEMISTRY

Credits: 3

Research in an area not covered by other chemistry courses. See the Department Chair for details.

CHEM3803

DIRECTED STUDY IN CHEMISTRY

Credits: 3

Research in an area not covered by other chemistry courses. See the Department Chair for details.

CHEM4201

ADVANCED PHYSICAL CHEMISTRY

Credits: 3

Prerequisite:

CHEM1105, MATH1206, PHYS1204 and at least third year academic standing or permission of instructor.

Exclusions:

Unavailable to students with credit for CHEM405.

Note:

Normally offered every other year.

The theoretical basis of chemistry will be derived and discussed. Students are introduced to quantum theory and its application in atomic and molecular electronic structure. Course includes lab component.

CHEM4203

NANOCHEMISTRY

Credits: 3

Prerequisite:

(CHEM2201, CHEM2203, and PHYS1204) or CHEM 3203 or CHEM3204

This course will examine the emerging field of nanoscience, through the lenses of physical chemistry, physics and biology to enable students to understand the characteristics of matter at the nanoscale. Topics will include the synthesis, characterization and applications of nanoscale structures and materials with an emphasis on their application in health spheres, electronic, energy and environmental technologies.

CHEM4203L

NANOCHEMISTRY LAB

Credits: 0

CHEM4301

ADVANCED ORGANIC CHEMISTRY

Credits: 3

Prerequisite:

CHEM2303 or CHEM3301.

Exclusions:

Unavailable to students with credit for CHEM425.

Note:

Normally offered every other year.

A survey of developments in current organic chemistry. This course will both round out the student's knowledge of carbon chemistry and integrate that knowledge with the other disciplines of chemistry, particularly physical organic chemistry. Course includes lab component.

CHEM4401

POLYMER CHEMISTRY

Credits: 3

Prerequisite:

CHEM3301 and CHEM3501 or instructor's permission.

Exclusions:

Unavailable to students with credit for CHEM445.

Note:

Normally offered every other year.

Involves the chemistry of macromolecules, definitions of polymeric materials, different examples of synthetic and natural polymers and rubber elasticity, monomer and polymer nomenclature, polymerization reactions, techniques, reactivity and kinetics, molecular weight distribution, measurements and control, and synthesis, analysis, structure-property characterization and rheological behaviour of polymers.

CHEM4403

ADVANCED ANALYTICAL CHEMISTRY

Credits: 3

Prerequisite:

CHEM2303, and CHEM3401 or CHEM3403.

Note:

Normally offered every other year.

The application of techniques such as Atomic Absorption (AA), Mass Spectrometry (MS), and Polarography to trace analyses. Students examine recent peer-reviewed literature and prepare critical reviews for class discussion. Reducing interferences, using blanks, performing replicate analyses, and recovery studies will be emphasized.

CHEM4404

CHEMICAL INSTRUMENTATION DESIGN/TROUBLESHOOTING

Credits: 3

Prerequisite:

CHEM3401 and CHEM3403

Exclusions:

Unavailable to students with credit for CHEM481

The basic design and working principles of chemical instrumentation (AA, NMR, IR, UV/visible, ICP-MS, pH, ISE, GC-FID, GC-ECD, GC-MS, HPLC-UV, UPLC-PDA, UPLC-qTOF) will be discussed with respect to operation, routine maintenance and serviceability. Topics will include signal-to-noise ratio, detection limits, basic electronics, (esp. shielding and component isolation), parameter optimization, firmware, and software. Students will tune and calibrate instruments for optimum signal and learn to limit or eliminate interference. The most common instrument errors, which in the past have resulted in extended downtime, and the most appropriate resolutions will be examined as case studies. This course is offered 6 hours per week in a lab setting.

CHEM4404L

CHEMICAL INSTRUMENTATION DESIGN/TROUBLESHOOTING

Credits: 0

CHEM4501

ORGANOMETALLIC CHEMISTRY

Credits: 3

Prerequisite:

CHEM2303 and CHEM2501 or CHEM3501.

Exclusions:

Unavailable to students with credit for CHEM456

Note:

Normally offered every other year.

A detailed look at concepts used in modern organometallic chemistry for synthetic laboratory research and current industrial processes. Topics that will be covered include the carbon-metal bond, heterogeneous catalysis and homogeneous catalysis, high vs. low density polyethylene, transition metal catalyzed polymerizations, asymmetric catalysis and Pd catalyzed organic transformations.

CHEM4801

INDEPENDENT PROJECT IN CHEMISTRY

Credits: 3

Normally this course will be completed in the student's final year.

CHEM4900

HONOURS THESIS IN CHEMISTRY

Credits: 6

Prerequisite:

Admission and fourth-year standing in the BSc Honours Chemistry program

This course includes the preparation of an original research proposal, completion of the proposed research project, analysis of the data, preparation of a written thesis and oral defence of this thesis. Students planning to register in this course must consult the Department Chair in the term preceding the expected start date of the project. Consult the Department Chair for details. A three member panel (the faculty supervisor, a second chemistry faculty member and a third member agreed upon by the supervisor and the student) will evaluate the written thesis and oral defence.

COMM1103

INTRODUCTION TO INTERPERSONAL COMMUNICATION

Credits: 3

Exclusions:

Unavailable to students with credit for COMM103

An introductory course designed to raise student awareness of the complexity and power of interpersonal communication in daily life; to provide students with personally relevant concepts of interpersonal communication; and to help students develop their interpersonal communication skills. Lab component required.

COMM1105

INTRODUCTION TO PUBLIC COMMUNICATION

Credits: 3

Exclusions:

Unavailable to students with credit for COMM105.

Students may receive credit for not more than one of the following communication courses COMM1105, COMM1109 or COMM1151. An introductory course designed to give the student a well-rounded basis in communication. Students learn public communication theory and develop their communication cognitively, affectively and behaviorally by taking part in interviews, small group discussions and public speaking. Lab component required.

COMM1107

INTRODUCTION TO LINGUISTICS

Credits: 3

Exclusions:

Unavailable to students with credit for COMM107, ANTH107 or MIKM107.

Cross-listed with ANTH1101, MIKM1145 An introduction to the scientific study of language, including phonology, morphology, syntax, semantics, and the heritage languages of Cape Breton: Mi'kmaq, French, Gaelic and English.

COMM1151

PROFESSIONAL PRESENTATIONS

Credits: 3

Exclusions:

Unavailable to students with credit for COMM115.

Students may receive credit for not more than one of the following communication courses COMM1105, COMM1109, or COMM1151 Skills in chairing meetings, making interesting presentations, incorporating various media into public communication and producing video resumes.

COMM2101

RESEARCH CONCEPTS

Credits: 3

Exclusions:

Unavailable to students with credit for COMM261.

A review of research methods typically used throughout the discipline and understanding of, and practice in, research design.

COMM2103

NONVERBAL COMMUNICATION

Credits: 3

Exclusions:

Unavailable to students with credit for COMM203.

An exploration of various nonverbal message systems, which include body movement, eye and facial behaviour, vocal cues, physical appearance, clothing, space, time and symbolic behaviour in human interaction.

COMM2105

PERFORMING CULTURE

Credits: 3

Note:

Added November 23, 2016

Cross-listed with MUSI2105 and DRAM2105 This course introduces students to concepts in performance studies. Students will examine and engage with a selection of cultural practices with the goal of understanding how knowledge is transmitted through performative actions, including both "everyday" performance practices and formal performances such as music, ritual, sport, dance, and drama.

COMM2111

RHETORIC IN POPULAR CULTURE

Credits: 3

Exclusions:

Unavailable to students with credit for COMM251

An exploration of popular culture (movies, music, television, computers, cell phones, tattoos, etc.) We discuss how we make meaning and interpret meaning of popular culture in a rhetorical context.

COMM2116

HISTORY GOES TO THE MOVIES

Credits: 3

Exclusions:

Unavailable to students with credit for HIST4700: Special Topics in History: History and Film

Cross-listed with HIST2116 This course explores the ways in which history is represented on film. What do films convey to us about the past and how do they convey it? To what extent is history on the "screen" different than history on the "page"? How do films about history shape our perceptions, shared memories, and national mythologies? These and other questions will be examined in detail. A wide range of film types - from mainstream drama to experimental documentary - from diverse national settings, including Canada, United States, France, Germany and China, will be used throughout the course

COMM2117

MEDIA ETHICS

Credits: 3

Note:

Description added Feb 19, 2016 BK

This course introduces theoretical approaches to media ethics and applies theories to particular situations through analysis of case studies. Students gain enhanced awareness of the ethical issues arising in highly mediated societies and explore possibilities for ethical decision-making among producers and consumers of media representations.

COMM2123

STORIES WE TELL: HISTORY, MEMORY & MEANING

Credits: 3

Exclusions:

Credit may not be obtained for both HIST1105/2123 and COMM2123

Cross-Listed with HIST2123, ANTH2123 and FOLK2123 This course explores the ways in which the past is remembered, represented, and used in the present. It is open to students from any degree program. Important themes include: the nature of human memory, the political uses of history, and the research methods used by scholars. Students will learn how to conduct original, independent research. Classroom activities and assignments will stress debate and dialogue and explore the connections between scholarly disciplines and students of varying backgrounds and academic interests.

COMM2151

VOICE PRODUCTION

Credits: 3

Exclusions:

Unavailable to students with credit for COMM201

Voice and speech production, with attention on improving vocal quality, articulation and pronunciation through the utilization of informal, formal and electronic settings.

COMM2153

EFFECTIVE INTERVIEW TECHNIQUES

Credits: 3

Exclusions:

Unavailable to students with credit for COMM215.

Foundations of interviewing within the broader context of basic communication theory, applying interview principles and practices in various interview genres.

COMM2155

ARGUMENTATION AND DEBATE

Credits: 3

Exclusions:

Unavailable to students with credit for COMM205.

Theoretical and experiential knowledge of argumentation and debate. Participation in class debates with and without a partner.

COMM2171

INTRODUCTION TO MEDIA

Credits: 3

Exclusions:

Unavailable to students with credit for COMM271

Discusses various forms of media (film, television, radio, etc.) from the production side of the media process with special emphasis on Canadian context and content.

COMM2173

VIDEOGRAPHY

Credits: 3

Exclusions:

Unavailable to students with credit for COMM273.

Covers techniques of composition, camera use, editing and aesthetics; application of broader communication theories to independent work on video production and effective presentation of ideas, stories and cultural works. Laboratory and/or tutorial component included.

COMM2175

ISSUES IN MEDIA STUDIES

Credits: 3

Exclusions:

Unavailable to students with credit for COMM255.

A survey of issues in communication media such as stereotyping, violence, gender, objectivity, ethics, culture and values. Lab component required.

COMM2177

GRAPHIC DESIGN FOR MEDIA

Credits: 3

Exclusions:

Unavailable to students with credit for COMM277.

Covers composition, layout, typography, colour and other elements of visual design and applies them to a variety of media. Some aspects of the course will require computer applications.

COMM2701

SPECIAL TOPICS IN COMMUNICATION

Credits: 3

COMM3101

ORGANIZATIONAL COMMUNICATION

Credits: 3

Exclusions:

Unavailable to students with credit for COMM305.

An introduction to the philosophy, process, problems and potential of human communication within an organizational context.

COMM3103

INTERPERSONAL RELATIONSHIPS

Credits: 3

Exclusions:

Unavailable to students with credit for COMM311.

Advanced interpersonal communication including theories, research and concepts examining relationships.

COMM3104

PUBLIC HISTORY IN THE MEDIA

Credits: 3

Prerequisite:

6 credits in Communication or History

Exclusions:

COMM3112

Note:

added nov 24, 2016

Cross-listed with HIST3118 This course examines historical representation in the media to illuminate the ways in which "the medium shapes the message" when history is presented through various media forms such as film, television, photography, and computer technology. Students gain enhanced understanding of media's power to shape the construction of memory, identities, and history; and of audiences' corresponding power to actively shape the meanings of representation through their engagement with media imagery.

COMM3105

MEMORY & HISTORY IN THE PUBLIC SPHERE

Credits: 3

Prerequisite:

6 credits of history or communication

Exclusions:

COMM3112

Cross-listed with HIST3119 This course examines history as it is created and presented in the public arena, illuminating the ways in which historical representation shapes collective memory and cultural identities. Central topics include authenticity, nostalgia, identification, and historical significance. Course readings explore the politics of commemoration, the invention of tradition, the commodification of the past through tourism, and the importance of collaboration and community involvement in the production of public history.

COMM3109

STRATEGIC CORPORATE COMMUNICATION

Credits: 3

This course will give students an awareness of connections between communication theory and effective corporate communications.

COMM3111

COMMUNICATION AND CULTURE

Credits: 3

Exclusions:

Unavailable to students with credit for COMM353.

The close connections between communication and culture and the ways cultures are constructed communicatively.

COMM3112

PUBLIC HISTORY & MUSEOLOGY

Credits: 6

Prerequisite:

HIST1100 or 6 credits Humanities

Exclusions:

Unavailable to students with credit for COMM380, HIST380, or HERT350.

Cross-listed with HIST3112 An overview of museum and heritage institutions over the past two centuries and how different nations, communities, and cultures interpret their history to the general public.

COMM3113

INTERCULTURAL COMMUNICATION

Credits: 3

Exclusions:

Unavailable to students with credit for COMM307.

Communication between individuals of different cultures and subcultures and practical guidelines for mitigating miscommunication across cultures.

COMM3115

COMMUNICATION AND SOCIAL CHANGE

Credits: 3

Exclusions:

Unavailable to students with credit for COMM355.

Examines the ideologies and conditions of the premodern, modern and postmodern social worlds as understood through their manifestations in cultural and technological change.

COMM3117

COMMUNICATION & COMMUNITY

Credits: 3

Exclusions:

Unavailable to students with credit for COMM319.

This course allows students to analyze concepts about community and communication as they relate to concepts about the public sphere, media, globalization, sustainability, social capital and interpersonal relationships. In particular it explores the symbolic construction of community and identity, participatory democracy, communitarianism, and the role of mass media in community. Students investigate their own communities as case studies.

COMM3131

COMMUNICATION FACILITATION

Credits: 3

Prerequisite:

6 credits from COMM1103, COMM1105 or COMM2175 and an additional 6 credits in Communication or permission of the instructor.

Exclusions:

Unavailable to students with credit for COMM321.

An examination of theoretical and practical applications of facilitation in educational contexts. Learning styles, communication models and facilitation strategies are examined.

COMM3133

LEADERSHIP IN SMALL GROUP CONTEXTS

Credits: 3

Exclusions:

Unavailable to students with credit for COMM325.

This course examines the communication components of small group and team interaction as they pertain to leadership and leadership emergence. Topics include communication characteristics of small groups, group norms and rules, group goals and motivations, sending and receiving messages, conflict resolutions and decision making processes.

COMM3135

FAMILY COMMUNICATION

Credits: 3

Exclusions:

Unavailable to students with credit for COMM333.

Examines communication patterns and networks within families that support or inhibit cohesion or change. Topics include family systems, communication patterns, self-disclosure, family themes, rules, relational stages, conflict styles, power and decision-making. Focus is on developing functional family networks and effective communication skills.

COMM3136

PERSUASION

Credits: 3

Exclusions:

Unavailable to students with credit for COMM303.

Philosophical, psychological and communication foundations of persuasion and the role persuasion plays in a person's life.

COMM3137

GENDER & COMMUNICATION

Credits: 3

Exclusions:

Unavailable to students with credit for COMM345.

The communication similarities and differences between women and men in various communication contexts.

COMM3138

WOMEN & COMMUNICATION

Credits: 3

Exclusions:

Unavailable to students with credit for COMM347.

Communication as it pertains to various aspects of women's lives and how contexts and cultural ideologies specifically affect women and their communication.

COMM3139

ISSUES IN HEALTH COMMUNICATION

Credits: 3

Exclusions:

Unavailable to students with credit for COMM309.

An examination of the ways the personal, cultural and political circumstances influence how we experience and communicate about health and health issues. We explore how we communicate about health at different stages of our lives. Finally, we consider the communication competencies we can develop to help us better understand health information, work with health organizations and develop as health citizens and advocates.

COMM3141

COMMUNICATION & SEXUALITY

Credits: 3

Prerequisite:

COMM1103 plus 3 additional credits in Communication or permission of the instructor.

Students examine the intersection between communication and sexuality as it pertains to education, health, the internet, age, disability, diversity, illness, relationships and so forth. Develop emotional insight into diverse aspects of sexuality that are experienced daily but are rarely discussed within the communication context.

COMM3151

PERFORMANCE STUDIES

Credits: 3

Exclusions:

Unavailable to students with credit for COMM335 or COMM235.

Explores how performance acts that are embedded in our everyday world are used to learn about ourselves and culture, to reflect on experience and to act on the world and the self.

COMM3155

ADVANCED PUBLIC SPEAKING

Credits: 3

Prerequisite:

COMM1105

Exclusions:

Unavailable to students with credit for COMM301

Public communication theory aimed at improving communication effectiveness by constructing and delivering informative, engaging and persuasive presentations.

COMM3170

MULTIMEDIA DESIGN

Credits: 6

Prerequisite:

COMM2171 or permission of instructor.

Exclusions:

Unavailable to students with credit for COMM322

Conceptual and application theory required for professional level skills in the use of digital communication media. Emphasis is on the development of design technique and the visual aspects of multimedia production focusing on film and digital video. Students will complete a major project utilizing the skills developed in class.

COMM3171

COMPUTER-MEDIATED COMMUNICATION

Credits: 3

Exclusions:

Unavailable to students with credit for COMM359

This course is an eclectic overview of practical and scholarly approaches to computer-mediated communication (CMC) intended both for those with limited experience with CMC and those who use CMC regularly.

COMM3173

MASS COMMUNICATION & SOCIETY

Credits: 3

Exclusions:

Unavailable to students with credit for COMM357.

The history of mass communication and the impact of technological change on human societies.

COMM3175

CANADIAN COMMUNICATIONS POLICY AND REGULATION

Credits: 3

Prerequisite:

6 credits in Communication.

Cross-listed with POLS3175 This course exposes students to the policies and regulations that structure practices in the Canadian media and telecommunication industries.

COMM3177

COMMUNICATION & FILM

Credits: 3

Prerequisite:

6 credits of Communication

Movies can influence how we see ourselves and others, and how we understand the society in which we live. Through theoretical readings, lectures, discussions, and in-class viewings, students learn how to critically analyze meanings and perspectives films convey about various social and cultural issues.

COMM3931

FACILITATION PRACTICUM

Credits: 3

Prerequisite:

COMM3131 and permission of the instructor and Lab Coordinator.

Exclusions:

Unavailable to students with credit for COMM323.

A 160-hour practicum that provides students with an opportunity to develop and strengthen their applied communication facilitation skills in an educational context while gaining first-hand experience in the design and delivery of communication training programs.

COMM4101

RHETORICAL THEORY

Credits: 3

Prerequisite:

6 credits in Communication.

Exclusions:

Unavailable to students with credit for COMM401

Examination of the nature of rhetoric through reading and discussing critical and theoretical works from classical to contemporary rhetoricians.

COMM4103

COMMUNICATION CRITICISM

Credits: 3

Prerequisite:

6 credits in Communication.

Exclusions:

Unavailable to students with credit for COMM403.

Critical evaluation of messages in a wide variety of communicative genres.

COMM4104

SUSTAINABLE HAPPINESS

Credits: 3

Exclusions:

Unavailable to students with credit for COMM435 or EDUC435.

Note:

This course will introduce students to the research on happiness and subjective well-being that is emerging from the field of positive psychology. Students will also explore the impact that individual and national pursuits of happiness have on the well-being of people around the world and the natural environment through literature related to sustainability. Opportunities for engaging in sustainable happiness that does not exploit other people, the environment or future generations will be addressed.

COMM4105

THEORIES OF HUMAN COMMUNICATION

Credits: 3

Prerequisite:

6 credits in Communication.

Exclusions:

Unavailable to students with credit for COMM405

The development of communication theory in the twentieth century in both the humanistic and social scientific approaches to communication study.

COMM4106

POLITICAL COMMUNICATION

Credits: 3

Prerequisite:

6 credits of POLS or COMM

Exclusions:

COMM4701: Special Topics in Communication - Political Communication

Note:

Description added November 10, 2016

Cross-listed with POLS4106 Politics shape our lived realities as citizens. In today's media saturated postmodern society, we experience political activities and information about government policies through social and mass media. This course therefore looks at how communication theories help us to understand the communications deployed to influence political processes.

COMM4751

SPECIAL TOPICS: SASS: INTERDISCIPLINARY SEMINAR

Credits: 3

COMM4753

SPECIAL TOPICS: SASS: INTERDISCIPLINARY SEMINAR

Credits: 0

COMM4754

SPECIAL TOPICS: SASS: INTERDISCIPLINARY SEMINAR

Credits: 3

COMM4800

DIRECTED STUDY IN COMMUNICATION

Credits: 6

Prerequisite:

At least 30 credits in Communication and an overall average of 70% in Communication.

This course offers an advanced student of exceptional ability the opportunity to pursue individualized study in an area not otherwise offered in the course listings. Students should consult the Department Chair for details and permission.

COMM4900

SENIOR THESIS IN COMMUNICATION

Credits: 6

Prerequisite:

At least 30 credits in Communication and an overall average of 70%.

An original research paper in which the student performs an in-depth study of an area of communication. The thesis must be a work of exceptional scholarship and is designed to prepare students for graduate programs or related further study. Students should consult the Department Chair for details and permission.

COMM4910

HONOURS THESIS IN COMMUNICATION

Credits: 6

Prerequisite:

At least 42 credits in Communication with an overall average of 70%.

An original research paper in which the student performs an in-depth study of an area of Communication. The thesis must be a work of exceptional scholarship, and is designed to prepare students for graduate programs or related further study. Students should consult the Department Chair for details and permission.

COMP1163

COMPUTER APPLICATIONS

Credits: 3

Exclusions:

Unavailable to students with credit for COMP101.

Satisfies the BSc computer proficiency requirement. A hands-on course which emphasizes the everyday use of computer technology with MS Office for Windows XP. Includes study of Windows, the Internet, word-processing, spreadsheets, database management and programming with VB.Net. The graphical user interface, Windows, will be used to integrate all software. Laboratory tutorial assignments reinforce course objectives.

COMS0100

POLICE PREPARATORY COURSE

Credits: 0

Exclusions:

Unavailable to students with credit for NOCR900.

This is a non-credit course that assists students in preparation for a career as a police officer. The course includes: policing career options, identification and forensics, police ethics, human rights, test anxiety counseling, crime prevention through social development, community policing, résumé development, physical fitness (PARE) preparation, range, drill and seminars with the Cape Breton Regional Police Service, RCMP and CBU faculty and staff. Past students have successfully completed police training programs at the Atlantic Police Academy in Prince Edward Island and RCMP training in Regina, Saskatchewan.

COMS1100

INTRODUCTION TO COMMUNITY STUDIES

Credits: 6

Exclusions:

Unavailable to students with credit for COMS110.

Within the context of a small group, students are encouraged to develop and employ a variety of skills including problem solving, critical analysis, research and writing. Both individual and group projects are required. Core course in the BACS degree program and an elective in other programs.

COMS2101

WORK EXPERIENCE PLACEMENT I

Credits: 3

Prerequisite:

30 credits including COMS1100 or permission of Department Chair.

Exclusions:

Unavailable to students with credit for COMS251 or SASC2989.

Students undertake a work placement position that is relevant to the student's career interests. Students engage in both course work and experiential learning.

COMS2103

AN EXPERIENTIAL INTRODUCTION TO RESEARCH METHODS

Credits: 3

Prerequisite:

30 credits including COMS1100

Exclusions:

Unavailable to students with credit for COMS210 or COMS2100

This course allows students to apply the group dynamics and problem-solving skills learned in COMS1100 and understand how techniques of research design, data collection, data analysis and program evaluation might be useful in community settings.

COMS2105

AN EXPERIENTIAL APPROACH TO COMMUNITY-BASED RESEARCH

Credits: 3

Prerequisite:

COMS2103

Exclusions:

Unavailable to students with credit for COMS210 or COMS2100

This course allows students to apply the techniques learned in COMS2103 and engage in a community based group research project.

COMS3100

COMMUNITY ACTION PROJECT

Credits: 6

Prerequisite:

60 credits including 9 Credits COMS2100 or COMS2103/2105, and COMS2101 OR SASC2989 Co-op I.

Exclusions:

Unavailable to students with credit for COMS310.

Students work together in small groups to investigate an issue and then design, implement and evaluate an appropriate community action project.

COMS3101

WORK EXPERIENCE PLACEMENT II

Credits: 3

Prerequisite:

60 credits including 9 Credits COMS2100 or COMS2103/2105, and COMS2101 OR SASC2989 Co-op I.

Exclusions:

Unavailable to students with credit for COMS351 or SASC3989.

Students undertake a second work placement position that is relevant to their career interests. Students engage in both course work and experiential learning to gain depth and breadth of understanding while making valuable connections with potential employers post-graduation.

COMS4100

SENIOR SEMINAR

Credits: 6

Prerequisite:

90 credits including 9 credits, COMS3100 , and COMS3101 Work Experience II OR SASC3989 Co-op II

Exclusions:

Unavailable to students with credit for COMS410.

Note:

changes made to prerequisites at request of Jane Connell. July 24, 2015

Students work within a group environment on individual, self-directed, community projects.

DRAF1163

INDUSTRIAL APPLICATIONS OF DRAFTING

Credits: 3

Prerequisite:

ENGI1165.

Exclusions:

Unavailable to students with credit for DRAF126.

This is an advanced course in drafting. The focus of this course is on the industrial applications of drafting. Students will learn the details of multi-disciplined drawings for electrical, petroleum, environmental and manufacturing engineering technology. Topics include schematics, print circuit boards, gears and cams. Detailed and industrial applications of technical drawings using advanced AutoCAD applications are employed. This is a required course for all disciplines of technology.

DRAF1165

DRAFTING FOR TECHNOLOGISTS

Credits: 3

Exclusions:

Credit can not be obtained for both DRAF1165 and ENGI1165. DRAFT1165 is designed for BET students and can not be used for credit within the BENG program.

Note:

Course added June 24, 2019

The principles of Engineering Drawing and Computer-Assisted Drafting to produce working drawings from sketches. Focusing on 2D applications of visualization and drawing creation. Topics include engineering sketching coordinate geometry, projection theory, sectioning, dimensioning, drawing layout, object properties and layup control, plotting, and pictorial drawing.

DRAF1165L

DRAFTING FOR TECHNOLOGISTS LAB

Credits: 0

DRAM1101

INTRODUCTION TO PLAY PRODUCTION

Credits: 3

Exclusions:

Unavailable to students with credit for ENGL307, DRAM101 or FINA307.

Note:

Course description was changed on February 26, 2016

An overview of theatre production techniques, including play analysis, design, and staging practices. Students will read and watch plays, then write and present about their practical and creative conclusions. Cannot satisfy the Group 1 BA core requirement.

DRAM2101

INTRODUCTION TO ACTING

Credits: 3

Prerequisite:

Exclusions:

Unavailable to students with credit for ENGL309 , DRAM1103 or FINA309.

Note:

Course description was changed Feb 26, 2016 August 2018 - remove pre-req of DRAM1101 - sheila christy

A survey course exploring various aspects of the actor's training. The exploratory and experiential work will involve the basic principles of movement, voice, improvisation and character analysis. Cannot satisfy the Group 1 BA core requirement.

DRAM2105

PERFORMING CULTURE

Credits: 3

Note:

Added Nov 23, 2016

Cross-listed with COMM2105 and MUSI2105 This course introduces students to concepts in performance studies. Students will examine and engage with a selection of cultural practices with the goal of understanding how knowledge is transmitted through performative actions, including both "everyday" performance practices and formal performances such as music, ritual, sport, dance, and drama.

DRAM2201

INTRODUCTION TO THEATRE DIRECTING

Credits: 3

Prerequisite:

DRAM1101 or permission of the instructor.

Exclusions:

Unavailable to students with credit for DRAM201, ENGL309 or FINA309

A practical course in directing for theatre: playscript analysis, casting, blocking, dramatic rhythm and focus. Cannot satisfy the Group 1 BA core requirement

DRAM2203

THEATRE FOR CHILDREN

Credits: 3

Prerequisite:

DRAM1101 or permission of the instructor.

Exclusions:

Unavailable to students with credit for DRAM221, FINA219.

This course gives practical experience in presenting theatre for young audiences. Students will explore the history, definitions, styles and forms, creation, and the educational value of children's theatre.

DRAM2204

IMPROVISATIONAL DRAMA

Credits: 3

Note:

Added course description november 23 2016

This course is a practical exploration of the techniques and applications of unscripted acting.

DRAM2205

APPLIED THEATRE

Credits: 3

Note:

Course description added Nov 29, 2016

This course provides an introduction to theatrical practices for historical interpretation, social activism, community facilitation, education, and corporate development.

DRAM2621

PLAYWRITING I

Credits: 3

Prerequisite:

Exclusions:

Unavailable to students with credit for DRAM331, ENGL303 or FINA303.

Note:

Course Description was changed on Feb 26, 2016

Cross-listed with ENGL2624. Cannot satisfy the Group 1 BA core requirement. An introduction to the art and craft of writing dramatic texts for live theatre. This course focuses on plot structure, character traits, and theme.

DRAM2623

PLAYWRITING II

Credits: 3

Prerequisite:

DRAM2621 or permission of the instructor.

Exclusions:

Unavailable to students with credit for DRAM333, ENGL323 or FINA319.

Note:

Change made to Course description on Feb 26, 2016

Cross-listed with ENGL2625 An advanced study of play creation, revision, and development. This seminar-style course includes dramaturgy and workshopping techniques, and writing in experimental styles. Students will present excerpts from their work in a public venue. Cannot satisfy the Group 1 BA core requirement.

DRAM2701

SPECIAL TOPICS IN DRAMA

Credits: 3

DRAM3101

MOVEMENT FOR THEATRE

Credits: 3

Prerequisite:

Pre-requisite: DRAM1101 or DRAM2101 or permission of the instructor.

Exclusions:

Unavailable to students with credit for FINA213.

Note:

Add pre-req DRAM1101 or DRAM2101 or permission of the instructor. Sheila Christy - August 2018

This course is directed to student actors and teachers of acting who want to add a larger component of meaningful movement to their acting or teaching techniques.

DRAM3103

VOICE FOR THEATRE

Credits: 3

Prerequisite:

DRAM1101 or DRAM2101 or permission of the instructor

Exclusions:

Unavailable to students with credit for FINA211.

Through practical exercises, this course introduces the student to voice training for the theatre.

DRAM3104

STAGECRAFT

Credits: 3

Prerequisite:

DRAM1101 or DRAM2101 permission of the instructor.

Exclusions:

Not available to students with credit for DRAM311

This course covers all that the aspiring stage worker needs to know about properties, scenery, painting, sets, lighting and sound.

DRAM3105

STAGE MANAGEMENT

Credits: 3

Prerequisite:

DRAM1101 or permission of the instructor.

Exclusions:

Not available to students with credit for DRAM313

An introduction to the skills and practices of stage management. Students will learn how to run production meetings, construct a prompt book, conduct rehearsals, and supervise productions. When possible, students will stage manage a production as part of the course.

DRAM3106

ACTING II

Credits: 3

Prerequisite:

DRAM2101 ENGL/FINA 309 or permission of the instructor.

Exclusions:

Not available to students with credit for DRAM313

A continuing exploration of the techniques and exercise commenced in DRAM2101 with particular emphasis on script analysis and scene study using two-handed scenes and monologues. This course will explore questions about relationship, conflict, the moment before, humor, and other practical acting rules.

DRAM3107

COLLECTIVE CREATION & DEVISING

Credits: 3

Prerequisite:

DRAM1101 and 6 credits of DRAM at the 2000 level or permission of the instructor.

Note:

Added November 29, 2016

This course explores the history, methodologies, applications, and implementation of collective creation and devising. The roles of the actor as writer, director, designer, and performer will be the focus of this course.

DRAM3108

ARTS MANAGEMENT IN THE CREATIVE ECONOMY

Credits: 3

Prerequisite:

6 credits of DRAM or MUSI, or permission of the instructor.

Note:

Added November 29, 2016

Cross-listed with MUSI3108 This course introduces the range of organizational structures that artist and small arts groups employ, discusses approaches to marketing and publicity in the arts, and familiarizes learners with funding sources in Canada and with grant writing principles.

DRAM3117

CULTURAL POLICY & THE ARTS

Credits: 3

Cross-listed with POLS3117 This course will introduce learners to cultural policy, which is a field of public policy that is concerned with government policies, programs and models that are directed towards the arts. The major assignment for this course will be to develop a "practice" proposal for a cultural institution or project.

DRAM3901

DRAMA PRACTICUM

Credits: 3

Exclusions:

Not available to students with credit for DRAM399.

Please see department chair for information.

DRAM4100

ADVANCED TOPICS IN APPLIED THEATRE

Credits: 6

Prerequisite:

12 credits of DRAM at the 2000 or 3000 level, including DRAM2205.

Note:

Added November 29, 2016

This course is an in-depth exploration of Applied Theatre theory and practice, with a focus on production.

DRAM4101

SITE SPECIFIC & ENVIRONMENTAL THEATRE

Credits: 3

Prerequisite:

DRAM1101 and 12 credits of DRAM at the 2000 and/or 3000 level.

Note:

added nov 29, 2016

This course explores theatrical productions that involve audience interaction and take place in non-traditional theatre spaces.

ECON1101

PRINCIPLES OF MICROECONOMICS

Credits: 3

Exclusions:

Unavailable to students with credit for ECON101.

A BBA Core Requirement The nature and scope of economics. Topics include scarcity and choice, consumer behaviour, demand and supply, elasticity, the theory of the firm, income

distribution and applications.

ECON1103

PRINCIPLES OF MACROECONOMICS

Credits: 3

Exclusions:

Unavailable to students with credit for ECON102.

BBA Core Requirement Topics include national income determination, unemployment, inflation, fiscal policy, the central bank, monetary policy, international trade and the balance of payments.

ECON2101

INTERMEDIATE MICRO ANALYSIS

Credits: 3

Prerequisite:

ECON1101, ECON1103 and ECON2105

Exclusions:

Unavailable to students with credit for ECON201.

Designed to provide a firmer grasp of economic theory. Includes a comprehensive survey of microeconomic theory and its application to everyday economic problems.

ECON2103

INTERMEDIATE MACRO ANALYSIS

Credits: 3

Prerequisite:

ECON1101 and ECON1103.

Exclusions:

Unavailable to students with credit for ECON202

The study of the major macroeconomic theories focusing on the Keynesian and the monetarist models within the domestic and international economy.

ECON2105

QUANT. METHODS FOR ECON.

Credits: 3

Prerequisite:

ECON1101 and ECON1103 and grade 12 Academic Math.

Exclusions:

Unavailable to students with credit for ECON205.

Designed to meet the requirements of quantitative methodology for a comprehensive program in economics.

ECON2140

LAW AND SOCIETY

Credits: 6

Exclusions:

Unavailable to students with credit for ECON212, ECON112, POLS212 or POLS112.

Cross-listed with POLS2140 This course provides an introduction to the study of law, government and the economy. It provides an understanding of leading social, political and economic issues and the impact of these issues on our life.

ECON3101

MONEY AND BANKING I

Credits: 3

Prerequisite:

ECON1101 and ECON1103.

Exclusions:

Unavailable to students with credit for ECON301.

An analysis of the Canadian banking system including the role of money, interest rates, financial institutions and the money market

ECON3105

MANAGERIAL ECONOMICS

Credits: 3

Prerequisite:

ECON1101 and ECON1103

Exclusions:

Unavailable to students with credit for ECON325.

A study in microeconomic decision-making applied to the problems of resource allocation, production, finance and risk assessment at the level of the firm.

ECON4101

PUBLIC FINANCE

Credits: 3

Exclusions:

Unavailable to students with credit for ECON411.

The theory and application of microeconomics and macroeconomics applied to the study of public goods and resource allocation with institutional intervention in market economics. Topics include social cost-benefit analysis, taxation and fiscal policy, social and public choice, interaction between fiscal and monetary policies, economic stabilization, economic growth with distributive equity and transaction costs in relation to social spending and public goods.

ECON4103

INTERNATIONAL ECONOMICS

Credits: 3

Exclusions:

Unavailable to students with credit for ECON421.

A comprehensive examination of the theory, institutions, policies and programs that shape the international economy. Micro and macroeconomic concepts and principles are applied to study the theory of international trade and the issues relating to fiscal, monetary and development policies.

ECON4105

INVESTMENT THEORY

Credits: 3

Prerequisite:

MGSC1108, MGSC1109, FINC2401, and FINC2403.

Exclusions:

Unavailable to students with credit for BUSS442 or ECON375.

Cross-listed with FINC4404 Examines the capital investment process emphasizing analytical techniques to evaluate investment proposals. Includes: capital budgeting principles, time value of money, basic measures of capital investment desirability and mutually exclusive investments, cash flow identification, risk analysis, capital rationing, multi- criteria capital budgeting and linear programming.

ECON5103

MACROECONOMICS

Credits: 3

Note:

Entered September 21, 2018 SML

The course covers how the economy behaves at the national level and how national income is measured and determined. Topics include national income determination, unemployment, inflation, fiscal policy, the central bank, monetary policy, international trade and the balance of payments

EDUC3100

MUSIC IN THE ELEMENTARY CLASSROOM

Credits: 6

Exclusions:

Unavailable to students with credit for EDUC330

This course is designed for the classroom teacher who wishes to enhance their learning environment. These sessions will integrate many elements throughout the curriculum using speech, rhythm, movement, dance and song. Teachers will find this valuable for developing a variety of literacy skills in their students.

EDUC4014

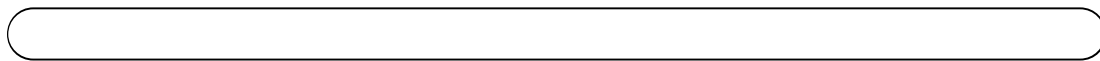
TEACHING AND LEARNING FOR A SUSTAINABLE FUTURE

Credits: 3

EDUC4019

PERSPECTIVES ON SCHOOLING

Credits: 3



EDUC4100

ART AND CREATIVITY

Credits: 6

Exclusions:

Unavailable to students with credit for EDUC426

This course is designed to give basic techniques and skills in visual arts to classroom teachers, P-12, who have limited experience in art making. This course will focus on art education as a growing sequential experience based on the supposition that students build their visual language in the same way as they build their verbal and written language, first by using simple statements and then by compounding them into a more sophisticated form of communication. Specifically, the participants will come to understand visual literacy and to make connections between visual arts and other subjects in the curriculum, including math, science, social studies and language arts. Direct application of the skills and techniques will be made through a variety of media, such as painting, drawing, sculpture, fabric arts and mixed media. By making connections to other subject areas, the participants will build on this understanding and they will discover new and effective strategies for teaching, learning and assessment.

EDUC4101

SOCIOLOGY OF EDUCATION

Credits: 3

Prerequisite:

Registration for this course is limited to Bachelor of Education students only.

In this course, students will explore how Canadian education programs are influenced by the social context within which they are implemented. Students will be introduced to the instructional and social context of teaching. The role of the school in society, the organization and administration of schools and the dynamics of classroom culture will form the basis of the course.

EDUC4102

CREATIVE MUSIC

Credits: 6

Exclusions:

Unavailable to students with credit for EDUC428.

This course is for those teachers who have a music degree or strong background experience in music education. The daily program will include pedagogy, basic movement, soprano recorder, and special topics. Instruction will cover Orff techniques, rhythmic and melodic training, improvisation, study of pentatonic scales, the ostinato, simple bordun accompaniments and the elemental form.

EDUC4103

INCLUSIVE EDUCATION

Credits: 3

Prerequisite:

Registration for this course is limited to Bachelor of Education students only.

This course examines the role of the subject/classroom teacher(s) in the program planning process for inclusive classrooms. A variety of situations will be examined with emphasis on inclusionary practices, appropriate classroom accommodations and professional collaboration. Current special education policies, regulations and resources used in the Nova Scotia school system will provide the framework for program planning process. However, comparisons with other jurisdictions will be made. Evaluation in this course will emphasize both knowledge and practical applications. This course encourages active participation

EDUC4104

SUSTAINABILITY, HAPPINESS & DEEP LEARNING

Credits: 3

Exclusions:

Unavailable to students with credit for EDUC435 or COMM435.

Note:

cross-listing removed April 8, 2019 Updated course description April 8, 2019

This course examines research and practice from positive psychology, sustainability, and education. Studies will explore their personal well-being as well as applications of sustainable happiness for student and teacher health and well-being. Pedagogies for deep learning and sustainability education will also be addressed with specific reference to the education vision of well-being for all, sustainably.

EDUC4106

PHILOSOPHY AND HISTORY OF EDUCATION

Credits: 3

Prerequisite:

Registration for this course is limited to Bachelor of Education students only.

This course examines the historical and philosophic foundations of education in our socially and culturally diverse environment. Prospective teachers are provided with an opportunity to examine a variety of educational problems from a philosophical perspective. Students will explore the nature of education and their role as professional educators. One of the major goals of the course will be for students to develop and articulate a personal philosophy of education.

EDUC4107

ASSESSMENT OF AND FOR LEARNING

Credits: 3

Prerequisite:

Registration for this course is limited to Bachelor of Education students only.

This course is an introduction to the theory and practice of student evaluation or assessment. The course is designed to provide students with an understanding of the major underlying issues and measurement problems surrounding assessment and will facilitate the student's shift in role from the one being assessed to that of an assessor. Students will examine the process of formulating educational objectives, validity and reliability in student assessment, preparing assessment instruments, scoring, reporting, data analysis and item analysis techniques.

EDUC4108

INTEGRATED TECHNOLOGY

Credits: 3

Prerequisite:

Registration for this course is limited to Bachelor of Education students only.

This course covers the integration of computer technology used in today's classroom to facilitate learning.

EDUC4109

PERSPECTIVES ON SCHOOLING

Credits: 3

Registration for this course is limited to Bachelor of Education students only. This course will examine educational theory and practice within the contexts of the sociological, historical and philosophical perspectives on schooling. Aligning to the core focus of Education for Sustainability, students will be encouraged to examine ecological thinking and its implications for human experiences, relationships and social interaction. Building on personal experiences and knowledge, students will explore the topics of the purpose of schooling, the sociological

impacts of schooling, the history and philosophical perspectives of public education, and the implications of concepts such as critical pedagogy, critical thinking and the hidden curriculum.

EDUC4111

FACILITATING A COMPREHENSIVE LITERACY PROGRAM AT THE ELEMENTARY LEVEL

Credits: 3

Prerequisite:

Registration for this course is limited to Bachelor of Education students only.

Exclusions:

Unavailable to students with credit for EDUC4011.

This course will focus on strategies, methodology and concepts of teaching and assessing language arts at the elementary level. Topics to be addressed include learning modalities, co-operative learning strategies and strategies to teach writing and reading. Technology and cross-curricular literacy will also be an integral part of this course.

EDUC4113

TEACHING AN INTEGRATED SCIENCE CURRICULUM

Credits: 3

Prerequisite:

Registration for this course is limited to Bachelor of Education students only.

Exclusions:

Unavailable to students with credit for EDUC4013.

This course will model the delivery of a hands-on, active approach to the teaching of scientific concepts. It will emphasize how to enable students to construct their own understanding of the world of science.

EDUC4114

TEACHING AND LEARNING FOR A SUSTAINABLE FUTURE

Credits: 3

Registration for this course is limited to Bachelor of Education students only. This course is designed to allow students to acquire an in-depth knowledge of the theory related to Education for Sustainability (EfS). Students will be introduced to the evolving societal perspectives related to systems thinking, holism, globalization and how key historical events have influenced the development of the scholarship and practices of Education for

Sustainability. The course will focus on the competences for educators in EfS and provide pre-service teacher educators with opportunities to build practical, instructional strategies to implement a holistic approach to learning. The course will allow students to learn from the experiences of teacher, schools, students, and community organizations that have implemented the principles of EfS to organize the learning environment. Relating the principles and practice of EfS to current curriculum documents to identify strategies to meet learning outcomes in the Atlantic Canadian curriculum will be a core focus of the course.

EDUC4115

TEACHING AN INTEGRATED SOCIAL STUDIES CURRICULUM

Credits: 3

Prerequisite:

Registration for this course is limited to Bachelor of Education students only.

Exclusions:

Unavailable to students with credit for EDUC4015.

This course will introduce teachers to a range of effective strategies to employ in the delivery of an issues-based social studies program. It will focus on issues and themes, which can be easily integrated into all areas of elementary curriculum.

EDUC4116

MATHEMATICS AT THE ELEMENTARY LEVEL

Credits: 3

Prerequisite:

Registration for this course is limited to Bachelor of Education students only.

Exclusions:

Unavailable to students with credit for EDUC4016.

This course will promote a holistic approach to the teaching of mathematics at the elementary level. Participants will explore methodologies for assessing students' progress in mathematics, taking into consideration the various ways of knowing and learning mathematics. Pre-service teachers will explore the use of math manipulatives and technology as teaching/learning tools, collaborative student work and mathematical literacy.

EDUC4117

ASSESSMENT & CURRICULUM INSTRUCTION IN ELEMENTARY EDUCATION

Credits: 3

Prerequisite:

Registration for this course is limited to Bachelor of Education students only.

Exclusions:

Unavailable to students with credit for EDUC4017.

The focus of this course is on an interdisciplinary-integrated approach to curriculum delivery in the elementary classroom. Students will design and implement an integrated curriculum as part of course requirements.

EDUC4118

PRINCIPLES AND PRACTICE OF ELEMENTARY EDUCATION

Credits: 3

Prerequisite:

Registration for this course is limited to Bachelor of Education students only.

Exclusions:

Unavailable to students with credit for EDUC4018.

This course will model an instructional process that is reflective of developmentally appropriate practice. It will emphasize the importance of incorporating effective practices such as teacher-student relationships, classroom management skills and research-based theories of learning.

EDUC4119

CLASSROOM & BEHAVIOR MANAGEMENT

Credits: 3

Prerequisite:

Student must be enrolled in the Bachelor of Education program.

This course focuses on the primary role of the teacher as an effective classroom manager. Using evidence based strategies from current research and theory, students learn various aspects of classroom management including: classroom rules and procedures; disciplinary intervention; teacher-student relationships; behaviour management; motivation; teaching students with special behaviour needs, and school wide strategies to promote positive behaviour and achievement.

EDUC4121

LITERACY IN THE CONTENT AREAS

Credits: 3

Prerequisite:

Registration for this course is limited to Bachelor of Education students only.

Exclusions:

Unavailable to students with credit for EDUC4021.

Through a constructivist, hands-on approach, this course will allow students to examine the knowledge, skills, and attitudes necessary to effectively implement the relative theory of reading in subject-specific areas such as history, biology, and mathematics. Students will explore theories of literacy and a variety of strategies for reading, writing and studying.

EDUC4128

PRINCIPLES AND PRACTICES OF SECONDARY EDUCATION

Credits: 3

Prerequisite:

Registration for this course is limited to Bachelor of Education students only.

Exclusions:

Unavailable to students with credit for EDUC4028.

This course is designed to provide students with the knowledge, skills and understanding required to construct and apply alternative methods of classroom management and discipline. Students will examine contemporary approaches to classroom management and discipline, including a consideration of legal, organizational and administrative issues. Students will gain knowledge and skills in this course that contribute to planning, delivering and evaluating teaching. Furthermore, the course will also emphasize ways to promote desired learning outcomes. The course illustrates specific ways to create a classroom that is a safe and comfortable space in which students and teachers with common goals can work successfully together. Students will be introduced to several models of classroom management, with an emphasis on the constructivist model. The major goal of the course is to enable students to comprehend the basic principles and tenets of a number of management approaches and to translate these principles into specific teaching strategies and skills.

EDUC4131

ABORIGINAL STUDIES AT THE ELEMENTARY LEVEL

Credits: 3

Prerequisite:

Registration for this course is limited to Bachelor of Education students only.

Exclusions:

Unavailable to students with credit for EDUC4031.

This course provides effective teaching strategies for the teaching and learning of Aboriginal languages and cultures, with emphasis on Mi'kmaq language and culture. Topics include promoting oral traditions, language and culture. (Students completing the Elementary Aboriginal Education option require this course).

EDUC4133

TEACHING ENGLISH AS A SECOND LANGUAGE IN AN ADDITIVE BILINGUAL MODEL

Credits: 3

Prerequisite:

Registration for this course is limited to Bachelor of Education students only.

Exclusions:

Unavailable to students with credit for EDUC4033.

In this course students explore aspects of learning and teaching a second language. Students will also examine current research and theories as they apply to lesson planning and instruction of ESL (English as a Second Language) learners. (Students completing the Elementary Aboriginal Education option require this course).

EDUC4134

INTRODUCTION TO LITERACY & FLUENCY IN ABORIGINAL LANGUAGES

Credits: 3

Prerequisite:

Registration for this course is limited to Bachelor of Education students only.

Exclusions:

Unavailable to students with credit for EDUC4034.

This course will focus mainly on the acquisition of the Mi'kmaq language. Students will also examine bilingual language learning approaches for Aboriginal languages. Topics include oral tradition and language immersion.

EDUC4135

ADVANCED READING & WRITING IN ABORIGINAL LANGUAGES

Credits: 3

Prerequisite:

Introduction to Literacy and Fluency in Aboriginal Languages (or permission from the Instructor and Dean). Registration for this course is limited to Bachelor of Education students only.

Exclusions:

Unavailable to students with credit for EDUC4035

This course will continue with the language acquisition theories examined in 'Introduction to Aboriginal Literacy'. The language of instruction for this course will be Mi'kmaq. The focus of this course is to promote the acquisition of written language and to apply bilingual language learning theories to enhance Aboriginal language writing skills.

EDUC4136

ABORIGINAL/INDIGENOUS EDUCATION MODELS

Credits: 3

Prerequisite:

Registration for this course is limited to Bachelor of Education students only.

Exclusions:

Unavailable to students with credit for EDUC4036.

This course will explore the various theoretical and pedagogical models currently in use in Aboriginal/First Nation schools around the world.

EDUC4138

TECHNOLOGY EDUCATION I

Credits: 3

Prerequisite:

Registration for this course is limited to Bachelor of Education students only.

Exclusions:

Unavailable to students with credit for EDUC4038.

This course will examine technology education as a field of study, investigating the context within those technologies taught in the Nova Scotia public school program. The course focuses on developing technology supportive learning environments. Students will model social constructivist learning strategies as well as problem-based learning throughout the course. Students will examine the development and selection of teaching strategies and resources, as well as lesson planning, unit planning and assessment. Emphasis will be placed on the effective use of technology as a teaching and learning tool within the field of technology education and across the curriculum.

EDUC4139

TECHNOLOGY EDUCATION II

Credits: 3

Prerequisite:

Registration for this course is limited to Bachelor of Education students only.

Exclusions:

Unavailable to students with credit for EDUC4039.

This course will examine technology education as a field of study, investigating the context within those technologies taught in the Nova Scotia public school program. The course focuses on developing technology supportive learning environments. Students will model social constructivist learning strategies as well as problem-based learning throughout the course. Students will examine the development and selection of teaching strategies and resources, as well as lesson planning, unit planning and assessment. Emphasis will be placed on the effective use of technology as a teaching and learning tool within the field of technology education and across the curriculum.

EDUC4140

ABORIGINAL STUDIES AT THE SECONDARY LEVEL

Credits: 6

Prerequisite:

Registration for this course is limited to Bachelor of Education students only.

Exclusions:

Unavailable to students with credit for EDUC4040.

This course applies effective teaching strategies to the teaching and learning of Aboriginal languages and cultures, with emphasis on Mi'kmaq language and culture. Topics include promoting oral traditions, language, community, culture diversity and traditions from an historical and sociological perspective. (Students completing the Intermediate/Secondary Aboriginal Education option require this course).

EDUC4141

SCIENCE AT THE SECONDARY LEVEL I

Credits: 3

Prerequisite:

Registration for this course is limited to Bachelor of Education students only.

Exclusions:

Unavailable to students with credit for EDUC4041.

This laboratory course will examine curriculum and effective teaching strategies in teaching science at the secondary level. Laboratory work will be assigned from the intermediate

science level and from the teachable area(s) for which students were admitted.

EDUC4143

SCIENCE AT THE SECONDARY LEVEL II

Credits: 3

Prerequisite:

Registration for this course is limited to Bachelor of Education students only.

Exclusions:

Unavailable to students with credit for EDUC4043.

This laboratory course will examine curriculum and effective teaching strategies in teaching science at the secondary level. Laboratory work will be assigned from the intermediate science level and from the teachable area(s) for which students were admitted.

EDUC4144

SOCIAL STUDIES AT THE SECONDARY LEVEL I

Credits: 3

Prerequisite:

Registration for this course is limited to Bachelor of Education students only.

Exclusions:

Unavailable to students with credit for EDUC4044.

This course focuses on the teaching of social studies at the middle and secondary levels. In this course students will focus on effective teaching strategies, lesson planning, use of learning resources for social studies, unit planning development, assessment and evaluation.

EDUC4145

SOCIAL STUDIES AT THE SECONDARY LEVEL II

Credits: 3

Prerequisite:

Registration for this course is limited to Bachelor of Education students only.

Exclusions:

Unavailable to students with credit for EDUC4045.

This course focuses on the teaching of social studies at the middle and secondary levels. In

this course students will focus on effective teaching strategies, lesson planning, use of learning resources for social studies, unit planning development, assessment and evaluation.

EDUC4146

FRENCH SECOND LANGUAGE AT THE SECONDARY LEVEL I

Credits: 3

Prerequisite:

Registration for this course is limited to Bachelor of Education students only.

Exclusions:

Unavailable to students with credit for EDUC4046.

This course provides an introduction to Core French and French Immersion programs at the middle and secondary school levels. In this course students will focus on effective second language teaching strategies, lesson planning, use of learning resources, unit planning development, assessment and evaluation.

EDUC4147

FRENCH SECOND LANGUAGE AT THE SECONDARY LEVEL II

Credits: 3

Prerequisite:

Registration for this course is limited to Bachelor of Education students only.

Exclusions:

Unavailable to students with credit for EDUC4047.

This course provides an introduction to Core French and French Immersion programs at the middle and secondary school levels. In this course students will focus on effective second language teaching strategies, lesson planning, use of learning resources, unit planning development, assessment and evaluation.

EDUC4148

FINE ARTS AT THE SECONDARY LEVEL I

Credits: 3

Prerequisite:

Registration for this course is limited to Bachelor of Education students only.

Exclusions:

Unavailable to students with credit for EDUC4048.

This course will examine the theories and practices of teaching fine arts within a secondary school context. Students will engage in the examination and development of teaching strategies, lesson planning, use of learning resources, unit planning development and assessment and evaluation for the effective delivery of the fine arts curriculum.

EDUC4149

FINE ARTS AT THE SECONDARY LEVEL II

Credits: 3

Prerequisite:

Registration for this course is limited to Bachelor of Education students only.

Exclusions:

Unavailable to students with credit for EDUC4049.

This course will examine the theories and practices of teaching fine arts within a secondary school context. Students will engage in the examination and development of teaching strategies, lesson planning, use of learning resources, unit planning development and assessment and evaluation for the effective delivery of the fine arts curriculum.

EDUC4151

ENGLISH LANGUAGE ARTS AT THE SECONDARY LEVEL I

Credits: 3

Prerequisite:

Registration for this course is limited to Bachelor of Education students only.

Exclusions:

Unavailable to students with credit for EDUC4051.

This course focuses on teaching English language arts at the middle and secondary levels. In this course students will focus on effective teaching strategies, lesson planning, assessment and evaluation.

EDUC4153

ENGLISH LANGUAGE ARTS AT THE SECONDARY LEVEL II

Credits: 3

Prerequisite:

Registration for this course is limited to Bachelor of Education students only.

Exclusions:

Unavailable to students with credit for EDUC4053.

This course focuses on teaching English language arts at the middle and secondary levels. In this course students will focus on effective teaching strategies, lesson planning, assessment and evaluation.

EDUC4154

MATHEMATICS AT THE SECONDARY LEVEL I

Credits: 3

Prerequisite:

Registration for this course is limited to Bachelor of Education students only.

Exclusions:

Unavailable to students with credit for EDUC4054.

This course focuses on teaching mathematics at the middle and secondary levels. In this course students will focus on effective teaching strategies, lesson planning, assessment and evaluation.

EDUC4155

MATHEMATICS AT THE SECONDARY LEVEL II

Credits: 3

Prerequisite:

Registration for this course is limited to Bachelor of Education students only.

Exclusions:

Unavailable to students with credit for EDUC4055

This course focuses on teaching mathematics at the middle and secondary levels. In this course students will focus on effective teaching strategies, lesson planning, assessment and evaluation.

EDUC4211

RESOURCE EDUCATION

Credits: 3

Prerequisite:

Registration for this course is limited to Bachelor of Education students only.

This course focuses on methods to facilitate learning for elementary and secondary students who require additional instructional supports, resources or assistive technologies. Students will explore strategies such as multiple intelligences and preferred learning styles to encourage and promote learning.

EDUC4213

TEACHING MATHEMATICS IN MIDDLE SCHOOLS

Credits: 3

Prerequisite:

Registration for this course is limited to Bachelor of Education students only.

Students will focus on instructional strategies, learning theories, content, assessment and evaluation in the teaching of mathematics in the middle school class.

EDUC4214

GUIDANCE

Credits: 3

Prerequisite:

Registration for this course is limited to Bachelor of Education students only.

This course provides an introduction to the principles and practices of guidance services, the role of the school counselor and ways of developing effective interpersonal skills for pre-service teachers to provide guidance for their students.

EDUC4215

LEARNING THROUGH DRAMA

Credits: 3

Prerequisite:

Registration for this course is limited to Bachelor of Education students only.

This course introduces drama as a valuable teaching and learning strategy. Topics will include: drama curriculum; lesson planning; education theory in drama; and ways of using drama as a learning tool for other subject areas.

EDUC4216

ADULT EDUCATION

Credits: 3

Prerequisite:

Registration for this course is limited to Bachelor of Education students only.

This course introduces pre-service teachers to adult education research and instructional practice, as a supplement to support and enhance teaching proficiency for multi-aged students through an examination of Adult Education literature and resources, as well as a multitude of related critical, contemporary, and controversial issues.

EDUC4217

THE ADOLESCENT LEARNER

Credits: 3

Prerequisite:

Registration for this course is limited to Bachelor of Education students only.

This course examines the teaching strategies based on developmental theories of the adolescent learner.

EDUC4218

THE MULTI-AGE CLASSROOM

Credits: 3

Prerequisite:

Registration for this course is limited to Bachelor of Education students only.

This course focuses on a multi-age pedagogical approach to teaching

EDUC4219

CANADIAN HISTORY IN EDUCATION

Credits: 3

Prerequisite:

Registration for this course is limited to Bachelor of Education students only.

This course examines the history and current trends in the teaching of Canadian history and social studies on the secondary level. The course stresses the importance of developing a culturally inclusive and contextually integrated approach to Canadian history. Particular attention will also be given to reviewing some of the latest web based learning resources for Canadian history and in developing effective teaching strategies for meeting the learning outcomes of the new Nova Scotia Grade 11 Canadian history course.

EDUC4221

COMMUNICATION SKILLS FOR EDUCATORS

Credits: 3

This course is the study of communication in the classroom as a key factor in planning and developing effective presentation and facilitation skills. The selected communications strategies that participants will learn and practice are designed to improve teacher expertise in personal and public communication that will assist them to become more effective communicators within an educational context. Throughout this course, students are given the opportunity to create and test ideas, to develop individual skills and theories and to gain competencies in various communication settings related to educational settings.

EDUC4223

GENERAL METHODS

Credits: 3

This course will examine recent research related to teaching subject specific content. Students will be required to complete an applied research project that includes the study of advanced teaching methodology in their major concentration. Topics include alternative approaches to the teaching of the particular discipline, an exploration of current issues and the demonstration of the new methodologies.

EDUC4225

DISCIPLINE SPECIFIC METHODS

Credits: 3

This course will allow students to examine the curriculum that corresponds to their individual background within the teachable subjects identified by the Nova Scotia Department of Education. Participants will develop learning activities that will allow their students to meet the general and specific curriculum outcomes as outlined in the APEF curriculum documents. Through collaboration with students specializing within the various teachable subject areas, pre-service teachers will explore strategies for developing interdisciplinary integrated learning activities in order to provide their students with a holistic educational experience. Participants will develop unit plans that reflect a synthesis of the disciplinary-specific pedagogical approaches, integrated curriculum strategies and relevant literature on pedagogy and learning theory.

EDUC4989

INTERNSHIP IN THE ELEMENTARY SCHOOL

Credits: 15

Prerequisite:

Registration for this course is limited to Bachelor of Education students only.

Registration for this course is limited to Bachelor of Education students only. The Internship is an extended school based practicum in which interns apply theories and knowledge of teaching and learning in an elementary classroom setting. Interns develop and apply effective teaching practices to become reflective practitioners. Facilitation of the intern's professional development and the evaluation of the Intern's progress is conducted by the classroom teacher and a university supervisor. The full practicum will be comprised of the following essential components: " Three day (May, first term) introduction to the practical aspects of teaching and school operations " Three day (September, second term) in-class experience in specific elementary/secondary streams (concurrent with methods course) " 15 week in-school supervised practicum (Winter, third term) " Completion of mentored online reflective journal for core courses " Curriculum portfolio development component linking methodology courses to practical teaching (concurrent with methods course).

EDUC4999

INTERNSHIP IN THE SECONDARY SCHOOL

Credits: 15

Prerequisite:

Registration for this course is limited to Bachelor of Education students only.

Registration for this course is limited to Bachelor of Education students only. The Internship is an extended school based practicum in which Interns develop and apply effective teaching practices to become reflective practitioners in a secondary classroom setting. Facilitation of the Intern's professional development and the evaluation of the Intern's progress is conducted by the classroom teacher and a University Supervisor. The full practicum will be comprised of the following essential components: " Three day (May, first term) introduction to the practical aspects of teaching and school operations " Three day (September, second term) in-class experience in specific elementary/secondary streams (concurrent with methods course) " 15 week in-school supervised practicum (Winter, third term) " Completion of mentored online reflective journal for core courses " Curriculum portfolio development component linking methodology courses to practical teaching (concurrent with methods course).

EDUC5100

DEVELOPMENTAL DRAMA

Credits: 6

Corequisite:

EDUC5130.

Exclusions:

Unavailable to students with credit for EDUC503.

Involves a study of the theory of creative dramatics as seen by its best-known practitioners (Peter Slade, Brian Way, Nelli McCaslin, Winnifred Ward and Dorothy Heathcote) and the application of that theory in ways adaptable to the classroom situation. The course will also encompass the various aspects of play production. Participants will explore methods and materials for conducting improvised dramatic activity in grades P-12.

EDUC5101

ASSESSMENT OF SOFTWARE & INFORMATION TECHNOLOGY APPLICATIONS FOR EDUCATION

Credits: 3

Exclusions:

Unavailable to students with credit for EDUC531 or EDUC534.

This course offers instruction in software reviews, software evaluation models, assessment and selection. How, when, where, how often and under what context will software be used in an educational setting will be stressed. Appropriate and inappropriate software applications for use within the classroom will be considered. In order to put theory into practice, designing activity packages and incorporating educational software into lesson plans will be undertaken.

EDUC5102

THE MEANING & PURPOSE OF CURRICULUM

Credits: 6

Exclusions:

Unavailable to students with credit for EDUC510.

Attempts to answer the question: What should schools teach? Drawing on curriculum theory, education history and current reports on education, students will articulate a comprehensive answer to the question. Curriculum planning and development skills will also be encouraged through group work and individual resourcefulness.

EDUC5103

INTEGRATION OF INSTRUCTIONAL DESIGN & INFORMATION TECHNOLOGY

Credits: 3

Exclusions:

Unavailable to students with credit for EDUC533 or EDUC534

Note:

CHANGED COURSE DESCRIPTION ON MARCH 15, 2017 AT THE REQUEST OF KRISTEN O'ROURKE
APPROVED BY CAROLYN KREEBER

The field of instructional design (ID) has long been synonymous with distance education and training rather than mainstream K-12 teaching. However, ID is a critical component to planning and delivery of technology-enabled learning. In this course we will explore the applicability of instructional design to the K-12 context as a means to enhance learning and community building through the various modes of delivery currently found in schools (hybrid/blended/virtual). Within this course, students will explore ID competencies, models, and current trends in the organization of learning environments. A particular emphasis will be placed on the utilization of ID principles in selecting appropriate technologies for specific objectives.

EDUC5104

APPLICATIONS OF LEARNING THEORY IN EDUCATION MULTI-MEDIA DESIGN

Credits: 3

Exclusions:

Unavailable to students with credit for EDUC535 or EDUC543.

Will provide educators with an in-depth look at the principles of constructivist and cognitive-based processes and the impact of technology on learning in a variety of educational contexts. Educators will also have the opportunity to apply student information technology research techniques to the production of instructional units that can be shared with their peers. Participants will use current software as the basis for understanding and developing these learning principles and will design a teaching unit to exhibit them.

EDUC5105

DESIGNING WEB-BASED LEARNING

Credits: 3

Exclusions:

Unavailable to students with credit for EDUC537 or EDUC543.

Note:

COURSE DESCRIPTION WAS CHANGED AT THE REQUEST OF KRISTEN O'ROURKE AT THE REQUEST OF
CAROLYN KREEBER

This course will develop your competency in the design and delivery of online learning activities. Participants will explore the essential components of interactive eLearning: context, challenge, activity and feedback through a combination of theoretical analysis and practical design activities. Note: this course does not focus on specific software or tools; however basic competency in e-Learning technologies is expected.

EDUC5106

TECHNOLOGY PLANNING FOR EDUCATIONAL ENVIRONMENTS

Credits: 3

Exclusions:

Unavailable to students with credit for EDUC539.

Designed to assist educators in developing a comprehensive plan for the integration of technology into the teaching/learning process. Learners will research a broad range of existing and emerging technologies and their applications in a learning environment as well as the constructs of the technology planning process. This research will then be applied to formulating a classroom-level technology plan.

EDUC5107

INFORMATION MANAGEMENT IN EDUCATION ENVIRONMENTS

Credits: 3

Exclusions:

Unavailable to students with credit for EDUC541.

Explores information management from an educator's point of view as well as researching electronic performance support systems and their implications for education and educators. Participants will develop a web-based personal electronic performance support system that will contain tools and information to aid the performance of that particular individual as an educator in a technology-rich, ever-changing educational environment.

EDUC5108

EDUCATIONAL TECHNOLOGY FOR THE PRACTICING TEACHER

Credits: 3

Prerequisite:

Students must be enrolled in the Diploma in Educational Technology.

Exclusions:

This course examines applications of educational technology used in today's classroom to promote learning. Students should be able to demonstrate a basic knowledge of computers before taking this course. Students will explore technology use from a practical perspective, using various tools in an education context to enhance the learning/teaching process. Teachers will investigate technology integration from a curricular perspective, transforming and synthesizing educational technology in respect to their area of specialization and current practice. Participants will be required to contribute to a collaborative-learning process through which they will develop knowledge and skills related to effectively applied educational technology interventions.

EDUC5109

AN INTRODUCTION TO THEORIES & ISSUES IN COUNSELLING

Credits: 3

Exclusions:

Unavailable to students with credit for EDUC550.

Examines the historical, philosophical, psychological and sociological bases of the major approaches to counseling. Also explores the central issues in counseling and the social context of those issues. Special reference will be made to the particular concerns of the Cape Breton community by introducing students to the notions of culture, enculturation, socialization and ethnocentrism.

EDUC5110

TEACHING CANADIAN CULTURE

Credits: 6

Exclusions:

Unavailable to students with credit for EDUC511

Explores two aspects of culture and curriculum: a) art, music, drama and literature in a Canadian and regional context; and b) multi-cultural, ethnic and race issues in Canada.

EDUC5111

CULTURAL ISSUES IN AN EDUCATIONAL SETTING

Credits: 3

Exclusions:

Unavailable to students with credit for EDUC554.

Designed to provide those in counseling roles with an understanding of the cultural forces which shape the lives of individuals and groups. Drawing on the work of sociologists, psychologists, anthropologists and educationalists, the course highlights gender issues, race and ethnic relations, class differences and issues and school and youth culture.

EDUC5112

LEARNING RESOURCES

Credits: 6

Exclusions:

Unavailable to students with credit for EDUC512

Focuses on the human and material resources used in teaching and the relationship between those resources and the classroom experience of the child. In addition to identifying and evaluating curriculum materials, the course looks at adapting the learning situation to the needs of the child. Special emphasis is put on developing an effective classroom, especially for at risk students.

EDUC5113

HUMAN RELATIONS DEVELOPMENT

Credits: 3

Exclusions:

Unavailable to students with credit for EDUC556.

The purpose of this course is to enhance the human relations skills of the student. Topics will include interviewing skills, group dynamics and conflict resolution.

EDUC5114

CAREER COUNSELLING

Credits: 3

Exclusions:

Unavailable to students with credit for EDUC560.

Examines the theory and practice of career development and career counseling as a basis for introducing the student to the skills of adolescent career counseling. Special attention is given to assessing client needs: sex, race and class issues in career counseling for gifted children; promoting child self-understanding; career information services; interest and aptitude tests and utilizing community resources.

EDUC5115

RESEARCH METHODS FOR EDUCATION

Credits: 3

Prerequisite:

EDUC5108

Note:

CHANGE DESCRIPTION OF COURSE, KRISTEN O'ROURKE . APPROVED BY CAROLYN KREEBER

This course is designed to introduce students in CBU's Graduate programmes to the essential elements which underpin the planning, implementation, analysis, evaluation and reporting of educational research. Students will also become familiar with CBU's application policy and procedures for research involving humans, as well as the Tri-Council standards for research

ethics.

EDUC5116

TECHNOLOGY IN THE SCIENCE CLASSROOM

Credits: 1

This will introduce students to the various forms of technology available to teachers responsible for delivering the Nova Scotia public school science curriculum. Students will complete a series of hands-on learning activities that illustrate how these learning tools can be effectively integrated into the science classroom.

EDUC5117

THE NATURE OF WESTERN SCIENCE

Credits: 3

Students will critically evaluate the application of learning theory to teaching science in the elementary and intermediate classroom. Topics include current research on hands-on/inquiry teaching, concept mapping, student misconceptions, learning/teaching styles, alternative assessment, gender differences, learning environments, action research, and knowledge transfer to provide a context for the history of science literacy and educational literacy. Strategies for fostering an interdisciplinary science program based on Nova Scotia curriculum and assessment standards will be presented through hands-on activities.

EDUC5118

DESIGN & MANAGE A CLASSROOM LABORATORY

Credits: 1

This laboratory course is designed to reinforce laboratory-based teaching skills in science. It will help teachers to implement and prepare inquiry-based elementary/junior high science teaching activities. Basic skills and activities will be investigated to become a more effective hands-on teacher. It will provide laboratory specific training that will focus on: practice in basic laboratory skills such as making solutions and lab safety; further develop skills in covering cook-book science activities into inquiry-based experimental systems for students; practice in planning, setting up and delivering inquiry-based activities in the classroom or lab environment. Required for Certificate in Science Education.

EDUC5119

TWO-EYED SEEING (TES) IN THE SCIENCE CLASSROOM

Credits: 3

'Two-Eyed Seeing in the Science Classroom' will be constructed in a 'learn by doing' format. To accomplish this, course content will focus on experiential lessons (ie: self-directed assignments and reflective exercises) in integrative Science and the learning theory supporting the desired student outcomes. As an example of science teaching within divergent world views, Integrative Science embodies the common ground between Indigenous and Western scientific knowledge and ways of knowing with a respectful recognition of differences. The classes concentrate on the principles of Two-Eyed Seeing using visual presentations and readings which support the self-directed experiential exercises. These exercises, drawing on several of the Multiple Intelligences, provide fertile seeds for a reflective examination of students' own teaching and learning styles. At the conclusion of the course students will create a teaching module for use in their own classroom. Required for Certificate in Science Education.

EDUC5120

ISSUES IN PLANNING, DESIGNING, & DEVELOPING CURRICULUM

Credits: 6

Exclusions:

Unavailable to students with credit for EDUC513.

An advanced-level seminar course that is intended to develop educational leaders with a strong curriculum background. This seminar explores a number of influences academic, political and popular on curriculum and encourages self-reliant leadership in dealing with those influences.

EDUC5121

MATH FOR THE SCIENCES

Credits: 1

This course focuses on the mathematical underpinnings of science. Through hands-on investigation and reflection, students will examine the means by which mathematics facilitates scientific inquiry. Course topics will include data analysis, probability and statistics, basic algebra, identifying patterns, and simulation. Scientific contexts will include chemistry, physics, biology, oceanography and environmental science. Students will gain experience in electronic data-logging and analysis. Required for Certificate in Science Education

EDUC5122

RESEARCH/CURRICULUM DEVELOPMENT

Credits: 6

Exclusions:

Unavailable to students with credit for EDUC514.

Introduces the students to the major issues and methods in curriculum design and development. Special attention is given to the use of technology in curriculum research. Students are expected to plan, design and develop a real or proto-type curriculum for a classroom, school system or province.

EDUC5123

LIFE & PHYSICAL SCIENCE I

Credits: 3

This course will focus students' reflection about their own teaching and discussion forums on the best approach to the elementary and intermediate science curriculum as it relates to chemistry and biology, and the main difficulties that arise. A variety of activities, experiments, and reading resources for students to use in their daily work will be developed. Examples of the interdisciplinary nature of the chemistry and biology will be discussed including the building blocks of chemistry and biology, heat, matter, food chains and habitats. This will help students to relate everyday chemistry and biology to what they learn in the classroom, and to develop inquiry-based methods for meeting the science curriculum outcomes. Required for Certificate in Science Education.

EDUC5124

IMPLEMENTING SCIENTIFIC INQUIRY IN THE CLASSROOM

Credits: 3

This course is intended to give educators a first-hand experience of the student's perspective within a scientific inquiry-based learning environment. It will also provide students with an opportunity to practice constructing teaching modules. This course will focus on some interdisciplinary subjects within science such as climate change, human impact on the environment, planetary astronomy, etc. Students will explore the subject area through a sequence of inquiry-based units. At the conclusion of the course students will create a teaching module based on their findings from one of the units explored earlier in the course. Required for Certificate in Science Education.

EDUC5125

EARTH, SPACE & PHYSICAL SCIENCE II

Credits: 3

Students will explore how the study of the Earth teaches us about physics and how our knowledge of physics assists us in understanding the Earth. Topics covered will include weather, gravity, fluids, plate tectonics, waves including seismic waves, fracturing, buckling and radioactivity. Experiments and field trips will allow students to explore physics and Earth science in a hands on mode. Within each major topic students will develop and present a teaching module in which ideas from the unit are presented in a manner suitable for elementary, junior high or high school students. Required for Certificate in Science Education.

EDUC5126

ASSESSMENT IN SCIENCE EDUCATION

Credits: 3

This course will examine some of the emerging trends in assessing student progress and achievement in the science classroom. Participants will design, develop, and implement authentic assessment strategies in their own classrooms. Emphasis will be placed on performance based assessment and evaluation of the dimensions of scientific literacy. The teacher- students will be required to provide critical reflection on the theory- into-practice activities, supporting their online dialogue with current research on student evaluation practices. Required for Certificate in Science Education.

EDUC5127

SEMINAR: RESEARCH TRENDS & CURRICULUM DEV FOR THE SCIENCE CLASSROOM

Credits: 3

This seminar-style course focuses on an analysis of research trends in science education and how much trends relate to the broader educational community. In this courses students have a forum for discussion and presentation of their inquiries, which contributes to preparing them evaluate and conduct research in science education as teacher -inquirers. The ultimate goal is to support students in developing and articulating a theoretical and research -based framework for NS public school science programs. Participants will examine the assumptions and limits of a variety of research approaches and reflect on how research might inform practice. Required for Certificate in Science Education.

EDUC5128

RESEARCH & DEVELOPMENT OF A SCIENCE UNIT

Credits: 6

This capstone course will require students to produce and present a researched unit within a specific strand of the Nova Scotia science curriculum, implementing the major tenets of scientific inquiry and/or problem based learning. Students will report on a pilot of the developed unit and incorporate the findings into the final product. Required for Certificate in Science Education.

EDUC5130

PHENOMENOLOGY OF CHILDHOOD

Credits: 6

Exclusions:

Unavailable to students with credit for EDUC520

In order to explore and utilize the potential of the arts in education, it is appropriate to examine the central role of aesthetic learning in a child's development. This course will provide an opportunity to examine the key stages in psychological development, connecting them with the arts and focusing on a thematic analysis of the child's experiential world. Through this analysis, the students will develop an understanding of the following processes:

- o Theory of multiple intelligences
- o Theories of creativity
- o Brain-based learning
- o Constructivist approaches to creative development

EDUC5131

DIGITAL CITIZENSHIP IN A GLOBAL COMMUNITY

Credits: 3

Digital citizenship can be defined as the norms of appropriate and responsible behaviour online. Within this course we will examine digital citizenship from two major perspectives: responsible use in the K-12 environment and the world beyond schools. Within each perspective we will review policy and practice, rights and responsibilities, safety and security, as well as health and wellness. Some specific themes include cyberbullying, digital etiquette, access, copyright, borderless classrooms, the digital divide and civic engagement.

EDUC5132

PRINCIPLES OF COMPUTING & IMPLICATIONS FOR INSTRUCTION

Credits: 6

Exclusions:

Unavailable to students with credit for EDUC530.

A comprehensive overview of microcomputers and popular application software with respect to their use as educational tools. Topics include hardware and software basics, database, applications and management, word processing, spreadsheets, telecommunications and networking, multimedia and trends in computer technology. Assignments focus on educational application by teachers and students.

EDUC5142

INDIVIDUAL TESTING

Credits: 6

Exclusions:

Unavailable to students with credit for EDUC552

Provides students with a basic level of understanding of such individual tests of intelligence and other abilities as the Wechsler, Stanford-Binet and Peabody and their place in the counseling process. Also provides the students with an historical and cultural context for individual testing.

EDUC5150

THE IDENTIFICATION & REMEDIATION OF LEARNING PROBLEMS

Credits: 6

Exclusions:

Unavailable to students with credit for EDUC558.

Examines various learning problems and shows how those learning problems influence performance and adjustment in school. Intervention strategies are reviewed and practical application for school settings are designed. Special attention is paid to identifying at risk students and stay in school programs.

EDUC5800

APPLIED RESEARCH PROJECT

Credits: 6

Prerequisite:

21 credits from EDUC5132, EDUC5101, EDUC5103, EDUC5104, EDUC5105, EDUC5106, EDUC5107.

Exclusions:

Unavailable to students with credit for EDUC548 or EDUC538.

An important component of the program. Students conduct research in an area of technology and apply it in an educational setting. Research projects are subject to the approval of the research project advisor.

EDUC5802

APPLIED/RESEARCH PROJECT

Credits: 6

Corequisite:

EDUC5810.

Exclusions:

Unavailable to students with credit for EDUC598.

Designed specifically for those students enrolled in the Certificate in Educational Studies. Students will work with a project advisor appointed by CBU and in conjunction with a mentor from their respective school boards. Over a seven-month period, students will carry out and report on a research project consistent with a stated school board priority.

EDUC5810

ADVANCED GRADUATE SEMINAR

Credits: 6

Prerequisite:

EDUC5100 and EDUC5130.

Exclusions:

Unavailable to students with credit for EDUC599.

Designed specifically for those students enrolled in the Certificate in Educational Studies. Under the supervision of a professor appointed by CBU, students will participate in a graduate-level seminar related to the educational priorities of their respective school boards. Required readings will be assigned in accordance with students' specific interests

EDUC5991

COUNSELLING PRACTICUM I

Credits: 3

Prerequisite:

21 credits from EDUC5109, EDUC5142, EDUC5111, EDUC5113, EDUC5150, EDUC5114.

Exclusions:

Unavailable to students with credit for EDUC562.

Designed to prepare students for their field work segment in Counseling Practicum II. Students learn about the ethical and legal implications of the counselor's work: the relationship to police, courts and various community intervention programs; recording interviews; counseling techniques; stress management and crisis intervention. Students are assigned a mentor with whom they will apprentice for two hours per week in the mentor's professional milieu. Students also have an opportunity to share these initial field experiences during the regular class meetings.

EDUC5993

COUNSELLING PRACTICUM II: FIELD WORK

Credits: 3

Corequisite:

EDUC5991

Exclusions:

Unavailable to students with credit for EDUC564.

Designed to provide an opportunity for students to obtain some initial first-hand field experience in guidance and counseling. The student will work under the supervision of a counselor/mentor in a professional setting and will be required to assume a counseling role or integrate guidance skills in the classroom, under the counsellor/mentor's supervision, accumulating approximately 80 hours of practicum experience . Students will also participate in weekly online activities to reflect on their experiences.

EDUC6001

UNSPECIFIED EDUCATION

Credits: 3

EDUC6101

FUNDAMENTALS OF SUSTAINABILITY

Credits: 3

Prerequisite:

Students must be enrolled in the MEd (SCI)

Note:

Course description added to RADAR Feb 19, 2016

This course will introduce students to an interdisciplinary inquiry into the complexities of sustainable development and sustainability. The course outlines sustainability and sustainable development using a balanced perspective as it is understood through the social sciences (people, cultures, empowerment, education and health), nature and the environment, and prosperity and the economy. The three pillars of sustainability (people, planet, prosperity) will form a core organizational strategy and a systems orientation will allow students to understand the fundamental reasons for unsustainable practices. Students will inquire into positive local, national and international efforts in economic development , as it is related to social and enterprise entrepreneurship, in education, in health and in social justice by becoming familiar with the growing body of sustainability scholarship and by identifying future trends that will challenge existing paradigms, yet also open up opportunities for societal change and transformation.

EDUC6103

EDUCATION FOR SUSTAINABILITY & ENTREPRENEURSHIP

Credits: 3

Prerequisite:

Students must be enrolled in the MEd(SCI)

Note:

Course description added to Calendar Feb 26, 2016

This course is designed to allow students to acquire an in-depth knowledge of the theoretical underpinnings of Education for Sustainability (EfS) and trace its historical and cultural growth through Chapter 36 of Agenda 21 to the Earth Charter and beyond. This course is designed to allow students to acquire an in-depth knowledge of the theoretical underpinnings of Education for Sustainability (EfS) and trace its historical and cultural growth through Chapter 36 Agenda 21 to the Earth Charter and beyond. The course will focus on the EfS competences, entrepreneurship education, creativity and innovation, providing students with opportunities to build practical, instructional strategies through active inquiry and discovery that enable people to turn ideas into action.

EDUC6104

CURRICULUM INQUIRY: FOUNDATIONS OF THEORY & PRACTICE

Credits: 3

Prerequisite:

Student must be enrolled in the Med(SCI)

Note:

course added dec 1, 2016

Curriculum Inquiry provides an introduction to curriculum theory as being of central importance to the study of educational experience. This course focuses on the basis of current curriculum theories and their relationship to historical and contemporary educational practices. The course will provide a special focus on the impact of sustainability education and ecological thinking on current educational practice. A central task of curriculum inquiry is to put forth the broad diversity of curriculum discourses to be explored by educators in the name of good teaching and learning with an understanding that education, both formal and informal, is regarded for its potential for transformative societal change. The overall aim of this course is to provide the means through curriculum scholarship to become more fully involved in critical inquiries, discussions, and decisions that concern teaching, learning, the social good, and public education.

EDUC6105

HEALTH PROMOTING SCHOOLS

Credits: 3

Prerequisite:

Student must be enrolled in the Med(SCI)

Note:

course added dec 1, 2016

This course builds on the World Health Organization definition of a Health Promoting School (HPS). "A health promoting school is one that constantly strengthens its capacity as a healthy setting for living, learning and working." Students will be introduced to the rationale and evidence for HPS as well as the fundamental components and processes behind becoming a HPS. In addition to HPS, frameworks such as Comprehensive School Health will also be examined and discussed with respect to the relevance for sustainability education, policy and practice.

EDUC6106

INDIGENOUS & GLOBAL PERSPECTIVES ON SUSTAINABILITY, CREATIVITY & INNOVATION

Credits: 3

Prerequisite:

Studnet must be enrolled in the Med(SCI)

Note:

course added dec 1, 2016

Formal and non-formal education initiatives have embraced Education for Sustainability (EfS) throughout the world with practical accomplishments – modeling processes and practices that are transforming communities, schools and education. Students will explore global perspectives on EfS, entrepreneurship, indigenous worldviews, and Living Schools with potential applications to their educational setting.

EDUC6107

NATURE & OUTDOOR LEARNING

Credits: 3

Prerequisite:

Student must be enrolled in the Med(SCI)

Note:

course added dec 1, 2016

The purpose of this course is to introduce students to the historical, cultural and philosophical development of the concept of nature and the evolving human relationship with the natural world in Western thought since the advent of a Cartesian worldview. The course will trace the bifurcation of human experience from the natural world and the ramifications of the dominance of Cartesian dualism for both people and the environment. Students will be challenged to connect the evolution of the concept of nature with our current shift to educating for sustainability. The course will explore the relationship of children and young people with nature and inquire into models of outdoor learning. Students will engage with

their local places and integrate the theories and practices of outdoor learning in ways relevant to cultural and local contexts.

EDUC6108

SUSTAINABILITY, HAPPINESS & WELLBEING

Credits: 3

Prerequisite:

Student must be enrolled in the Med(SCI)

Note:

course added dec 1, 2016

This course will examine the nexus of sustainability, happiness and wellbeing with respect to education. Students will explore the relationship between individual, community and global wellbeing and the relevance for educators, both personally and professionally. In addition to relevant research students will also become familiar with educational resources for sustainability education, social and emotional wellbeing, and sustainable happiness.

EDUC6109

TRANSFORMATIVE EDUCATION: TEACHING FOR CREATIVITY

Credits: 3

Prerequisite:

Student must be enrolled in the Med(SCI)

Note:

added dec 1, 2016

A foundational component of competencies for educators in EfS is the capacity to achieve transformation (people, pedagogy, and education systems). This involves developing the understanding of why transformation is needed and how to facilitate these transformations through the study of the creative process and the acquisition of the requisite skills to imagine and co-create sustainable futures. The MEd (SCI) is designed to be a transformative programme and this course will establish a learning community that supports students to develop their own skills and practices in teaching for creativity and innovation as transformative educators, learners, and leaders.

EDUC6111

ECO-TEXTS: SUSTAINABILITY & THE CULTURAL IMAGINATION

Credits: 3

Prerequisite:

Student must be enrolled in the Med(SCI)

Note:

Course was added Dec 1, 2016

This course will introduce students to the field of ecologically oriented cultural studies, or 'eco-criticism'. It will critically examine various cultural constructions of sustainability in a range of texts exemplifying different discourses (e.g. fictional, philosophical, scientific) and genres (e.g. film, documentary, narrative, poetry). In addition, consideration will be given to the emergence of a number of distinct approaches within eco-critical studies, such as critical eco-feminism, eco-phenomenology, eco-psychology and environmental justice. The prefix "eco" is interpreted inclusively to reflect environmental, societal, economic issues and the inherent interrelationships that exist.

EDUC6115

RESEARCH METHODS FOR EDUCATION

Credits: 3

EDUC6116

INTRO TO PHENOMENOLOGICAL RESEARCH & WRITING

Credits: 3

Prerequisite:

Student must be enrolled in a graduate program.

This course introduces a hermeneutic phenomenological approach to qualitative research and writing. Phenomenological research cannot be separated from the textual practice of writing. Students will be introduced to phenomenology as a research method to better understand the experiential lifeworld with the goal of more thoughtful, meaningful practice.

EDUC6800

PROJECT: SUSTAINABILITY, CREATIVITY & INNOVATION

Credits: 6

Prerequisite:

EDUC6115 Students must be enrolled in Med(SCI) and have completed at least 21 credits towards Med(SCI)

Note:

course added dec 1, 2016 pre req changed from EDUC5115 to EDUC6115 by BK on May 24, 2019 at Dean's Request

This project-based course provides the opportunity for students to integrate sustainability education into a project at their organization. Students will assess the current strengths and areas for development regarding sustainability education in their school or organization. Based on the assessment, students will design, implement, evaluate and report on a project that is completed within the timeframe of the course.

EDUC6901

THESIS PROPOSAL: SUSTAINABILITY, CREATIVITY & INNOVATION

Credits: 3

EDUC6902

THESIS: SUSTAINABILITY, CREATIVITY & INNOVATION

Credits: 6

Prerequisite:

Students must be enrolled in the Med(SCI). Students must have completed at least 18 credits toward Med(SCI)

Note:

course added dec 1, 2016

The thesis will be undertaken with the supervision of a faculty supervisor chosen by the student from amongst the ranks of faculty who have been vetted by the Office of Research and Graduate Studies. The thesis will involve the development of a thesis proposal that is approved by the student's supervisor and the CBU Research Ethics Board. The thesis is expected to be 60-80 pages (double-spaced) in length and adhere to the approved standards of the Office of Research and Graduate Studies. All theses will be examined by an external reader selected by the student's supervisor, and also through an oral defense to be attended by the student (virtually or in person), and a thesis defense committee [consisting of the thesis supervisor, at least one MEd (SCI) programme faculty member as well as the external reader]. Successful completion of the thesis will contribute 9 credits toward the MEd (SCI); once the research proposal is approved, the thesis will typically be completed within 6 – 12 months.

ELEC1161

FUNDAMENTALS OF ELECTRICITY I

Credits: 3

Exclusions:

Unavailable to students with credit for ELEC111.

The solution of DC and AC networks as a foundation for specialization in power, instrumentation or communication options.

ELEC1164

FUNDAMENTALS OF ELECTRICITY II

Credits: 3

Prerequisite:

ELEC1161.

Exclusions:

Unavailable to students with credit for ELEC122.

The solution of DC and AC networks as a foundation for specialization in power, instrumentation or communication options.

ELEC1165

ANALOG ELECTRONICS CIRCUITS

Credits: 3

Prerequisite:

ELEC1161 or permission of instructor.

Exclusions:

Unavailable to students with credit for ELEC253.

An applications-oriented course based on semi-conductor electronics. Systems are analog in the sense that the components and circuits deal with continuously variable signals as opposed to discrete digital systems. Students will be exposed to the similar design and simulation tools utilized by industry such as Pspice and Electronics Workbench. Topics include review of bipolar junction transistors (BJT) and basic DC analysis, AC modeling, AC analysis, BJT amplifiers and frequency response

ELEC2160

PROCESS MEASUREMENTS

Credits: 6

Prerequisite:

PHYS1201.

Exclusions:

Unavailable to students with credit for ELEC213.

The concept of process measurement as used in process industries. Includes an in-depth study of transducers for pressure, temperature, level and flow. Hands-on applications.

ELEC2161

PROCESS MEASUREMENTS 1

Credits: 3

Prerequisite:

: ELEC1164 and ELEC1165

Exclusions:

Unavailable to students with credit for ELEC2160

This course will introduce the student to Industrial Process measurements such as instrument air systems, calibration concepts, pressure based electronic and pneumatic instruments. Delta P level and non-contact level principles and instruments are also covered.

ELEC2161L

PROCESS MEASUREMENTS 1 LAB

Credits: 0

ELEC2162

CONTROL SYSTEMS

Credits: 6

Prerequisite:

ELEC2160.

Exclusions:

Unavailable to students with credit for ELEC365.

An advanced study of theoretical, industrial control system techniques and concepts with emphasis on control system design, configuration, modeling and performance evaluation.

ELEC2163

LINEAR INTEGRATED CIRCUITS

Credits: 3

Prerequisite:

ELEC1165.

Exclusions:

Unavailable to students with credit for ELEC244

Linear integrated circuit applications are examined. Emphasis is on operational amplifier circuits including comparators, inverting and non-inverting amplifiers, signal generators and active filters. Op-amp DC and AC performance is analyzed. Other circuits studied include the 555 timer.

ELEC2165

SIGNALS & CONTROLS

Credits: 3

Exclusions:

Unavailable to students with credit for ELEC267.

This course will introduce the classification of signals and systems, signal and system properties and their applications, linear time-invariant systems, periodic signal and Fourier series, continuous-time Fourier transform, Laplace transform, z-transform and their application mainly in control and communication systems.

ELEC2166

INDUSTRIAL ELECTRONIC CIRCUITS

Credits: 3

Prerequisite:

ELEC1165

Exclusions:

Unavailable to students with credit for ELEC283.

A study in the theory and analysis of solid-state components used in industrial control devices. Topics include FETS, SCR, TRIAC, DIAC and an introduction to light and light sensors.

ELEC2167

MACHINES & CONTROLS

Credits: 3

Prerequisite:

ELEC1164.

Exclusions:

Unavailable to students with credit for ELEC284.

Study of DC and AC machines, focuses on the application of voltage and torque calculations to the selection of generators and motors in typical circuit applications. Students will gain experience in the laboratory working with machines in a controlled environment. Study of industrial machine control systems includes start/stop and speed control of DC and AC motors.

ELEC2168

PROGRAMMABLE LOGIC CONTROLLERS

Credits: 3

Exclusions:

Unavailable to students with credit for ELEC345.

The role of special use computers in the electrical power industry. Develops expertise in logic controller programs.

ELEC2169

TECHNOLOGICAL THESIS

Credits: 3

Exclusions:

Unavailable to students with credit for ELEC355.

A 3,000+ word thesis in the discipline area in which registration or certification is sought. See Department Chair.

ELEC2261

PROCESS MEASUREMENTS 2

Credits: 3

Prerequisite:

ELEC2161

Exclusions:

Unavailable to students with credit for ELEC2160

This course will serve as the second course in industrial instrumentation. The theory and application of electronic and mechanical sensors for temperature and flow are presented in detail. Flow meters for liquids, steam and mass flow are discussed as well as flow meter sizing. Measuring steam flow is an essential part of maintaining steam heating systems

ELEC2361L

PROCESS MEASUREMENTS I LAB

Credits: 0

ELEC2363L

PROCESS MEASUREMENTS II LAB

Credits: 0

ELEC2364L

PROCESS CONTROLS I LAB

Credits: 0

ELEC2365L

PROCESS CONTROLS II LAB

Credits: 0

ELEC3161

EMBEDDED OPERATING SYSTEMS

Credits: 3

Prerequisite:

ENGI2167

Exclusions:

Unavailable to students with credit for ELEC411.

The student will be able to use a variety of embedded operating systems in the application of development of electronic solutions for design challenges. In particular, the student will develop skills programming techniques, with assembly language and to physically build circuits to implement these programs.

ELEC3163

DIGITAL SIGNAL PROCESSING

Credits: 3

Prerequisite:

MATH1206 or MATH2205.

Exclusions:

Unavailable to students with credit for ELEC412.

The student will develop a basic understanding of immensely powerful digital signal processing techniques, a skill needed by scientists as well as engineers, through demonstrations and the application of basic techniques. Complex number systems are treated as an advanced topic that underpins and extends the power of digital signal processing.

ELEC3164

MICROELECTRONIC DESIGN TOOLS

Credits: 3

Exclusions:

Unavailable to students with credit for ELEC421.

The student will be able to apply techniques in a wide variety of microelectronics design environments. This course provides experience in applying design tools such as Pspice, Xilinx Web Pack and MatLab to basic systems solutions. Also included are applications of advanced industrial design tools such as Mentor Graphics, Cadence Analog Workbench and CMC Design Flow for Digital Systems.

ELEC3165

APPLIED INTEGRATED CIRCUIT SYSTEMS

Credits: 3

Prerequisite:

ELEC3164

Exclusions:

Unavailable to students with credit for ELEC422

The course will be an advanced digital systems design with VHDL. It will discuss the description of both Moore-and Mealy-type finite state machines (FSMs) and the development of state machine diagrams to abstractly represent an FSM's algorithm. It discusses an alternate way to graphically represent an FSM using an algorithm state machine (ASM) chart and how to convert ASM charts to VHDL.

ELEC3166

APPLIED WIRELESS SYSTEMS

Credits: 3

Exclusions:

Unavailable to students with credit for ELEC432.

Students will be able to apply wireless design techniques using spread spectrum systems and enhance their understanding of wireless techniques used in all types of communications systems and products. An intuitive approach is used to provide a real feel for the technology, with applications to many types of wireless networks.

ELEC3167

MEDICAL INSTRUMENTATION

Credits: 3

Prerequisite:

ELEC253, ELEC213, ELEC244, ELEC1165, ELEC2160, or ELEC2163.

Exclusions:

Unavailable to students with credit for ELEC422.

This course serves as an introduction to the methods and devices that are required to make measurements of biomedical quantities. Includes in-depth study of transducers for pressure, temperature, level and flow. Laboratory exercises will give students opportunities to design circuits to make these measurements.

ELEC3737

SELECTED TOPICS IN ELECTRONICS

Credits: 3

This course provides a forum for directed study on a number of issues and concerns within the present state of the field of electrical engineering and electronics industry. Each issue is dealt with in modular form. Topics include electric cars, power distribution, fiber optics, environmental sustainability, air pollution and the generation of electricity and quality management.

ELEC4101

ADVANCED PROCESS CONTROLS

Credits: 3

Prerequisite:

ELEC2162 and ELEC3163

This course will introduce the student to Delta V distributed control systems. Engineering application of any scope can be cost-effectively implemented with this platform. This platform, common in the petrochemical and other process industries, will be used to implement control strategies introduced in previous courses in process measurements and controls

ELEC4101L

ADVANCED PROCESS CONTROLS LAB

Credits: 0

ELEC4103

ADVANCED PROGRAMMABLE LOGIC CONTROLLERS

Credits: 3

Prerequisite:

ELEC2168 and ELEC3164

This course will introduce the student to the Contro-Logix family of Programmable Logic Controllers with tag based programming, PLC communications, Operator Interfaces and function block programming. Using the newer tag based addressing of the compact-Logix Programmable Logic Controller students are introduced to topics commonly found in industry such as: indirect addressing, subroutines, Ethernet IP addressing and communications and graphical operator interfaces

ELEC4103L

ADVANCED PROGRAMMABLE LOGIC CONTROLLERS LAB

Credits: 0

ELEC4104

ANALYTICAL INSTRUMENTATION

Credits: 3

Prerequisite:

ELEC2261 and ELEC3164

Process analyzers are used in every aspect of the process industries from quality control, emissions monitoring, environmental compliance and personal safety. This course will introduce the student to analytical instruments (ei. PH and ORP analyzers, Oxygen sensors and thermal conductivity meters, Gas Analyzers and liquid chromatography), found in process industries for quality control, safety as well as the measurements required for environmental monitoring and compliance.

ELEC4104L

ANALYTICAL INSTRUMENTATION LAB

Credits: 0

ELEC4105

ELECTROMAGNETIC DEVICES

Credits: 3

Prerequisite:

ELEC2167 and ELEC3165

This course will introduce the student to specialized single phase and three phase motors as well as their control and associated cost of operation. Students will explore advanced topics in the selection of motors, and the operation of specialized motors and controls. This course will also introduce students to the concept of power quality, time constraints related to single term motors and also the generation of electricity using wind and water turbines.

ELEC4105L

ELECTROMAGNETIC DEVICES LAB

Credits: 0

ELEC4106

INDUSTRIAL ELECTRONIC SYSTEMS

Credits: 3

Prerequisite:

ELEC2166 and ELEC3164

The student will study electronic systems application in an industry setting. The student will focus on design, operation and maintenance philosophies according to applicable codes and standards. Some equipment and topics covered include: Electronic Grounding, Diesel generators, Inverters, Rectifiers, Batteries, Cable Separation, Variable Frequency Drives, and Component Layout and Human factors.

ELEC4106L

INDUSTRIAL ELECTRONIC SYSTEMS LAB

Credits: 0

ELEC4107

POWER SYSTEM DESIGN

Credits: 3

Prerequisite:

ELEC3163

This course will introduce the student to the principles of lighting design. Topics will include: Feeder design, protective devices and cable selection. The course will introduce the concepts of power efficiency and power distribution. Multiple source generation will be examined and the planning and design of these distribution systems will be discussed.

ELEC4107L

POWER SYSTEM DESIGN LAB

Credits: 0

EMGN1001

UNSPECIFIED EMERGENCY MANAGEMENT

Credits: 3

EMGN4101

KEYSTONE TO EMERGENCY MANAGEMENT

Credits: 3

Exclusions:

Unavailable to students with credit for EMGN401 or EMGN4100.

Registration for this course is limited to Bachelor of Technology Emergency Management students only, or approval of the Program Coordinator. An introduction to the fundamentals of emergency management with particular emphasis on how it is practiced in Canada. Students will learn the history and core principles of emergency management, the nature of emergencies and the role of that graduates can expect to play.

EMGN4103

TAXONOMY AND ANATOMY OF HAZARDS

Credits: 3

Prerequisite:

EMGN4101

Exclusions:

Unavailable to students with credit for EMGN404 or EMGN4112.

Registration for this course is limited to Bachelor of Technology Emergency Management students only, or approval of the Program Coordinator. This course will provide students with an understanding of the science and causes of the full range of natural, technological and human-caused hazards that face individuals, families, businesses and communities. It will also provide opportunities to polish skills in communicating that knowledge and understanding to others.

EMGN4201

CULTIVATING EMERGENCY MANAGEMENT ALLIANCES

Credits: 3

Prerequisite:

EMGN4101

Exclusions:

Unavailable to students with credit for EMGN402 or EMGN4102.

Registration for this course is limited to Bachelor of Technology Emergency Management students only, or approval of the Program Coordinator. Building partnerships and alliances, integrating emergency management efforts, networking, coordinating and team building are all core competencies for the emergency management partners; and how best to cultivate and manage alliances between and among them.

EMGN4203

FROM RISK TO RESILIENCE

Credits: 3

Prerequisite:

EMGN4101

Exclusions:

Unavailable to students with credit for EMGN401 or EMGN4100.

Registration for this course is limited to Bachelor of Technology Emergency Management students only, or approval of the Program Coordinator. A resilient community or organization is one which has, to the extent possible, reduced risk and enhanced its sustainable capacity. This course introduces students to the process of risk and vulnerability assessment, and provides the information and analytical tools necessary to develop mitigation strategies drawing particularly on the strength of social capital.

EMGN4204

RECOVERY: BUILDING THE NEW NORMAL

Credits: 3

Prerequisite:

EMGN4101

Exclusions:

Unavailable to students with credit for EMGN40 or EMGN4120.

Registration for this course is limited to Bachelor of Technology Emergency Management students only, or approval of the Program Coordinator. Achieving the "new normal" is a complex social process within the recovery phase of emergency management. This course provides students with the applicable concepts, principles and techniques necessary to manage recovery.

EMGN4205

MANAGING MANAGEMENT

Credits: 3

Prerequisite:

EMGN4101

Exclusions:

Unavailable to students with credit for EMGN406 or EMGN4122.

Registration for this course is limited to Bachelor of Technology Emergency Management students only, or approval of the Program Coordinator. Overseeing an emergency management program requires a sound understanding of the best of contemporary management thinking. This course provides students with the information and tools necessary to develop and apply both their administrative and self-management skills.

EMGN4206

HEALTH EMERGENCY MANAGEMENT IN CANADA

Credits: 3

Prerequisite:

EMGN4106

Exclusions:

May not be substituted for EMGN4989 or EMGN4999

Registration for this course is limited to Bachelor of Technology Emergency Management students only, or approval of the Program Coordinator. This course provides health specialists with an understanding of emergency management as it applies to the Canadian health system. The mandates and roles of relevant organizations and agencies will be studied with a view of incorporating best practices into health emergency management activities at the local level.

EMGN4301

COMMUNICATING EMERGENCY MANAGEMENT

Credits: 3

Prerequisite:

EMGN4101

Exclusions:

Unavailable to students with credit for EMGN406 or EMGN4122.

Registration for this course is limited to Bachelor of Technology Emergency Management students only, or approval of the Program Coordinator. This course provides students with

knowledge and skills necessary to manage public awareness, public education, emergency information and crisis communication programs. In addition, it offers an opportunity to polish verbal and written skills, as well as competence in interpersonal communication.

EMGN4303

BUSINESS CONTINUITY MANAGEMENT

Credits: 3

Prerequisite:

EMGN4101

Exclusions:

Unavailable to students with credit for EMGN403 or EMGN4110.

Registration for this course is limited to Bachelor of Technology Emergency Management students only, or approval of the Program Coordinator. This course presents a holistic business continuity management process addressing resilience strategies, recovery objectives, business continuity, operational risk management considerations and crisis management plans. On completion, students will be eligible to write the qualifying examination for certification as an associate business continuity professional (ABCP).

EMGN4304

EXPLOITING THE POTENTIAL OF TECHNOLOGY

Credits: 3

Prerequisite:

EMGN4101

Exclusions:

Unavailable to students with credit for EMGN403 or EMGN4110

Registration for this course is limited to Bachelor of Technology Emergency Management students only, or approval of the Program Coordinator. This course provides students with exposure to a wide range of current and emerging technology hardware and applications. In addition, students will apply theoretical knowledge to practical situations using an emergency management software suite.

EMGN4305

EMERGENCY MANAGEMENT IN A GLOBALIZED WORLD

Credits: 3

Prerequisite:

EMGN4101

Exclusions:

Unavailable to students with credit for EMGN405 or EMGN4120.

Registration for this course is limited to Bachelor of Technology Emergency Management students only, or approval of the Program Coordinator. This course will provide students with an understanding of the global community - the international arena - within which increasing interdependent emergency planning and operations take place. Emphasis will be placed on the importance of interoperability between and among organizations as diverse as the United Nations, multinational corporations and "mom and pop" non-governmental organizations.

EMGN4989

EMERGENCY MANAGEMENT PRACTICUM

Credits: 6

Prerequisite:

Completion of 30 EMGM credits.

Exclusions:

Unavailable to students with credit for EMGN407 or EMGN4130. Practicum must not include prior completed work within host organization.

Registration for this course is limited to Bachelor of Technology Emergency Management students only, or approval of the Program Coordinator. This seven-month practicum will provide students with an opportunity to apply their theoretical knowledge in a practical setting. They will work with a host organization approved by the university to conduct a specific project as negotiated between the student, instructor and host organization.

EMGN4999

INDEPENDENT STUDY IN EMERGENCY MANAGEMENT

Credits: 3

Prerequisite:

EMGN4101

Exclusions:

May not be substituted for EMGN 4989

Registration for this course is limited to Bachelor of Technology Emergency Management students only, or approval of the Program Coordinator. This course is offered to students whose prior learning and/or experience meets the requirements of an emergency management course. It will allow the student to conduct independent research into an aspect of emergency management of particular personal and professional interest or relevance.

EMGT1101

KEYSTONE TO EMERGENCY MANAGEMENT

Credits: 3

Exclusions:

Unavailable to students with credits for EMGN4101, EMGN4100 or EMGN401

Note:

Added by BK from Word Doc Feb 5, 2018

An introduction to the fundamentals of emergency management with particular emphasis on how it is practiced in Canada. Students will learn the history and core principles of emergency management, the nature of emergencies and the role that graduates can expect to play. The course is mandatory for all candidates in either the Diploma or Bachelor program in emergency management and open to others as an elective.

EMGT1103

TAXONOMY & ANATOMY OF HAZARDS

Credits: 3

Prerequisite:

Prerequisites: EMGT1101 and enrolled in the program, or approval of the Program Coordinator

Exclusions:

Exclusions: Unavailable to students with credits for EMGN4103, EMGN4112 or EMGN404

Note:

Added by BK Feb 5, 2018

This course will provide students with an understanding of the science and causes of the full range of natural, technological and human-caused hazards that face individuals, families, businesses and communities. It will also provide opportunities to polish skills in communicating that knowledge and understanding to others.

EMGT2104

EFFECTIVE RESPONSE

Credits: 3

Prerequisite:

Prerequisites: EMGT1101 and enrolled in the program, or approval of the Program Coordinator

Exclusions:

Exclusions: Unavailable to students with credits for EMGN4104, EMGN4102 or EMGN402

Response operations can be complex, demanding and unexpected. This course provides students with the concepts, considerations and techniques necessary to produce and execute plans that allow an organization to take appropriate response action that will sustain operations for as long as required.

EMGT2201

CULTIVATING EMERGENCY MANAGEMENT ALLIANCES

Credits: 3

Prerequisite:

Prerequisites: EMGT1101 and enrolled in the program, or approval of the Program Coordinator

Exclusions:

Exclusions: Unavailable to students with credits for EMGN4201, EMGN4102 or EMGN402

Building partnerships and alliances, integrating emergency management efforts, networking, coordinating and team building are all core competencies for the emergency manager. This course examines the wide, diverse range of emergency management partners; and how best to cultivate and manage alliances between and among them.

EMGT2203

FROM RISK TO RESILIENCE

Credits: 3

Prerequisite:

Prerequisites: EMGT1103 and enrolled in the program, or approval of the Program Coordinator

Exclusions:

Exclusions: Unavailable to students with credits for EMGN4203, EMGN4112 or EMGN404

A resilient community or organization is one which has, to the extent possible, reduced risk and enhanced its sustainable capacity. This course introduces students to the process of risk and vulnerability assessment, and provides the information and analytical tools necessary to develop mitigation strategies drawing particularly on the strength of social capital.

EMGT2304

TECHNOLOGICAL TOOLS IN EMERGENCY MANAGEMENT

Credits: 3

Prerequisite:

Prerequisites: EMGT1101 and enrolled in the program, or approval of the Program Coordinator

Exclusions:

Exclusions: Unavailable to students with credits for EMGN4304, EMGN4110 or EMGN403

This course provides students with exposure to a wide range of current and emerging technology hardware and applications. In addition, students will apply theoretical knowledge to practical situations using an emergency management software suite.

EMGT3104

ISSUES IN CANADIAN LOCAL GOVERNMENT

Credits: 3

EMGT3115

GOVERNMENTS MAKING DECISIONS: AN INTRODUCTION TO PUBLIC POLICY

Credits: 3

EMGT3204

RECOVERY: BUILDING THE NEW NORMAL

Credits: 3

Prerequisite:

Prerequisites: EMGT1101 and enrolled in the program, or approval of the Program Coordinator

Exclusions:

Exclusions: Unavailable to students with credits for EMGN4204, EMGN4120 or EMGN405

Achieving the 'new normal' is a complex social process within the recovery phase of emergency management. This course provides students with the applicable concepts, principles and techniques necessary to manage recovery.

EMGT3205

MANAGING MANAGEMENT

Credits: 3

Prerequisite:

Prerequisites: EMGT1101 and enrolled in the program, or approval of the Program Coordinator

Exclusions:

Exclusions: Unavailable to students with credits for EMGN4205, EMGN4122 or EMGN406

Overseeing an emergency management program requires a sound understanding of the best of contemporary management thinking. This course provides students with the information and tools necessary to develop apply both their administrative and self-management skills.

EMGT3301

COMMUNICATING EMERGENCY MANAGEMENT

Credits: 3

Prerequisite:

Prerequisites: EMGT1101 and enrolled in the program, or approval of the Program Coordinator

Exclusions:

Exclusions: Unavailable to students with credits for EMGN4301, EMGN4122 or EMGN406

This course provides students with knowledge and skills necessary to manage public awareness, public education, emergency information and crisis communication programs. In addition, it offers an opportunity to polish verbal and written skills, as well as competence in interpersonal communication.

EMGT3303

BUSINESS CONTINUITY MANAGEMENT

Credits: 3

Prerequisite:

Prerequisites: EMGT1101 and enrolled in the program, or approval of the Program Coordinator

Exclusions:

Exclusions: Unavailable to students with credits for EMGN4303, EMGN4110 or EMGN403

This course presents a holistic business continuity management process addressing resilience strategies, recovery objectives, business continuity, operational risk management considerations and crisis management plans. On completion, students will be eligible to write the qualifying examination for certification as an Associate Business Continuity Professional (ABCP).

EMGT4105

LEADERSHIP: FROM THEORY TO PRACTICE

Credits: 3

Prerequisite:

Prerequisites: EMGT1101 and enrolled in the program, or approval of the Program Coordinator

Exclusions:

Exclusions: Unavailable to students with credits for EMGN4100 or EMGN401

Leadership is a crucial skill for the emergency manager. This course provides students with the opportunity to reflect on their own personal traits and capabilities; then apply the best of current leadership theory to strengthening their skills as competent and confident leaders.

EMGT4106

HEALTH EMERGENCY MANAGEMENT GLOBALLY

Credits: 3

Prerequisite:

Must have 3 credits of EMGT at 1000 level and be enrolled in the Bachelor of Technology Emergency Management Program. Permission of the instructor will be otherwise required.

This course provides health specialists with a broad exposure to a wide range of national and international health organizations and agencies with an emergency management focus.

EMGT4206

HEALTH EMERGENCY MANAGEMENT IN CANADA

Credits: 3

Prerequisite:

Must have 3 credits of EMGT at 1000 level and be enrolled in the Bachelor of Technology Emergency Management Program. Permission of the instructor will be otherwise required.

This course provides health specialists with an understanding of emergency management as it applies to the Canadian health system. The mandates and roles of relevant organizations and agencies will be studied with a view of incorporating best practices into health emergency management activities at the local level.

EMGT4305

THE INTERNATIONAL CONTEXT OF EMERGENCY MANAGEMENT

Credits: 3

Prerequisite:

Prerequisites: EMGT1101 and enrolled in the program, or approval of the Program Coordinator

Exclusions:

Exclusions: Unavailable to students with credits for EMGN4120 or EMGN405

This course will provide students with an understanding of the global community – the international arena – within which increasingly interdependent emergency planning and operations take place. Emphasis will be placed on the importance of interoperability between and among organizations as diverse as the United Nations, multinational corporations and 'mom and pop' non-governmental organizations.

EMGT4989

EMERGENCY MANAGEMENT PRACTICUM

Credits: 3

Prerequisite:

Prerequisites: Completion of 30 EMGT credits and enrolled in the program, or approval of Program Coordinator

Exclusions:

Exclusions: Unavailable to students with credits for EMGN4130 or EMGN407. Practicum must not include prior completed or current work within host organization

This seven-month practicum will provide students with an opportunity to apply their theoretical knowledge in a practical setting. They will work with a host organization approved by the university to conduct a specific project as negotiated between the student, instructor and host organization.

EMGT4999

INDEPENDENT STUDY IN EMERGENCY MANAGEMENT

Credits: 3

Prerequisite:

Prerequisites: EMGT1101 and enrolled in the program, or approval of the Program Coordinator

Exclusions:

Exclusions: May not be substituted for EMGT4989

This course is offered to students whose prior learning and/or experience meets the requirements of an emergency management course. It will allow the student to conduct independent research into an aspect of emergency management of particular personal and professional interest or relevance.

ENGI 1101

INTRODUCTION TO PROFESSIONAL ENGINEERING

Credits: 3

This course will introduce the student to the engineering profession in Canada including provincial engineering statutes, engineering ethics, health and safety, and liability. The course also provides and historical context for engineering and covers basic elements of written communication.

ENGI 1161

SHOP PRACTICE

Credits: 3

Exclusions:

Unavailable to students with credit for ENGI101.

This course is designed to develop skills in the use of hand tools and machine shop equipment utilized in today's industrial environment. The student will learn shop safety, focusing on WHIMIS and OHSA. The course will teach soldering, circuit board construction and machine fabrication. Each skill will be emphasized by completing small projects throughout the term. This is a required course for all disciplines of technology.

ENGI 1163

STATICS

Credits: 3

Prerequisite:

Exclusions:

Unavailable to students with credit for ENGI111.

An introduction to the concept of forces and torques acting on structures.

ENGI 1164

STRENGTH OF MATERIALS

Credits: 3

Prerequisite:

ENGI1163.

Exclusions:

Unavailable to students with credit for ENGI122.

Internal stresses and strains in a body due to external forces are examined. Students are also introduced to the concepts of torsion, load, shear and bending moment diagrams, beams and columns.

ENGI 1165

ENGINEERING GRAPHICS

Credits: 3

Exclusions:

Unavailable to students with credit for ENGI125.

Introduction to conceptual graphic design fundamentals, team work and computer drafting. The aim is to develop skill in engineering free-hand sketching, drawing on CAD, 3-D visualization, graphical problem solving and understanding engineering drawings. Topics include orthographic visualization, pictorial sketching, auxiliary views, sections, descriptive geometry and intersections. A design project, focused on the process of design methodology and reporting, is an integral part of the course.

ENGI 1166

DYNAMICS

Credits: 3

Prerequisite:

ENGI1163.

Exclusions:

Unavailable to students with credit for ENGI132.

The principles introduced in statics are expanded to include the study of velocity and acceleration of moving components. Includes calculations relating to forces, work energy and power.

ENGI 1167

ENGINEERING STATICS

Credits: 3

Exclusions:

Unavailable to students with credit for ENGI145.

A study in applied mechanics; the course objective is to develop the student's ability to analytically solve practical problems in a clear and concise manner.

ENGI 1168

FLUID MECHANICS

Credits: 3

Exclusions:

Unavailable to students with credit for ENGI253.

This course concentrates on the theory and problem solving regarding fluid properties, hydrostatic pressure, buoyancy, fluid flow, Bernoulli equation, energy losses in piping systems, flow measurement and open channel flow.

ENGI 2101

ENGINEERING ECONOMICS

Credits: 3

Prerequisite:

Second-year standing.

Exclusions:

Unavailable to students with credit for ENGI205.

Deals with the economics of decision-making. After introduction of fundamental concepts and cash flow diagrams, interest factors are dealt with in detail. Students apply the concepts to a variety of engineering design and management issues, both locally and internationally.

ENGI 2103

TECHNICAL ENGINEERING ECONOMICS

Credits: 3

Prerequisite:

Second year standing.

Exclusions:

Unavailable to students with credit for ENGI205 or ENGI2101. Note: This course is not acceptable as credit in the BEng (Transfer) program.

Note:

This course is not acceptable as credit in the BEng (Transfer) program.

This course is designed to provide students with the fundamentals of Engineering Economics. Engineers design buildings, machines and other systems. They also function as managers in the real world of decision making where the criteria includes not only technological excellence, social impact and environmental considerations, but also cost. The bottom line or the cost of the systems we design plays a critical role in whether or not these designs are implemented. We must know when to repair or when to replace, when to make and when to buy. The engineer/ manager must understand how money works as well as how materials perform. Taxes and inflation can have significant impacts on the viability of projects. This course is designed to introduce students to these fundamentals.

ENGI 2105

SURVEYING

Credits: 3

Prerequisite:

DRAF1163

This course will introduce the student to methods of cadastral surveying and construction surveying. The course will illustrate how these methods apply to field projects in both Petroleum and Environmental technology. Topics includes chaining , levelling, direction angle measurements, distance measurement, traversing an coordinates and in an introduction to GIS (Geographical Information Systems).

ENGI 2105L

SURVEYING LAB

Credits: 0

ENGI 2131

ENGINEERING FLUID MECHANICS

Credits: 3

Prerequisite:

MATH1206.

Exclusions:

Unavailable to students with credit for ENGI275.

Fundamental fluid properties are presented, along with an examination of static fluid principles including pressure variation, buoyancy and stability. This is followed by a study of flowing fluid, using a control volume approach to develop continuity, momentum and energy

relationships. Other topics include dimensional analysis, similitude, flow characteristics in conduits and discussion of flow measurement techniques and devices.

ENGI 2133

ENVIRONMENTAL ENGINEERING

Credits: 3

Exclusions:

Unavailable to students with credit for ENGI276.

Focuses on sources of environmental pollutants, the effects of pollutants on living and non-living systems and processes by which pollutants are generated or by which their effects can be minimized or remediated. Lectures supplemented by tutorials, which include guest speakers, case studies and field trips.

ENGI 2134

COMPUTER PROGRAMMING

Credits: 3

Exclusions:

Unavailable to students with credit for ENGI285.

Combines the development of a structured approach to problem solving with the use of concepts of FORTRAN programming. Especially suitable for engineering students.

ENGI 2135

ENGINEERING DESIGN/GRAPHICS

Credits: 3

Prerequisite:

ENGI1165. 12 credits of Year II Engineering program credits or second year status with permission of instructor.

Exclusions:

Unavailable to students with credit for ENGI295.

This course is intended to develop the student's ability to evaluate, plan and complete engineering projects. Fundamentals of design, design methods and design considerations as well as professional practice are discussed. Design, analysis and word processing software are employed. Project work will include design and detail (using CAD), analysis, fabrication, testing, written reports and oral presentation. Teamwork and individual design/build projects are a major part of the course.

ENGI 2163

ENGINEERING DYNAMICS

Credits: 3

Prerequisite:

ENGI1167, MATH1206 and PHYS1204, or permission of the instructor.

Exclusions:

Unavailable to students with credit for ENGI226.

The kinematics and kinetics of a particle, system of particles and rigid body. Two-dimensional motion is emphasized. Vector and scalar methods are used, as appropriate, to apply relationships derived from basic motion parameters, Newton's Second Law of Motion and from energy/momentum considerations.

ENGI 2164

ENGINEERING THERMODYNAMICS

Credits: 3

Prerequisite:

MATH1206.

Exclusions:

Unavailable to students with credit for ENGI245.

Preliminary terms and concepts are reviewed, followed by the presentation of fundamental thermodynamic properties including heat and work. These properties, along with the zeroth, first and second laws of thermodynamics, are used to examine various closed and open thermodynamic systems. Related topics introduced during this examination include reversibility, thermal efficiency, entropy and exergy. The course concludes with an understanding of gas and vapour power cycles.

ENGI 2165

FUNDAMENTALS OF CHEMICAL ENGINEERING

Credits: 3

Prerequisite:

Second-year standing and CHEM1105 and MATH1206.

Exclusions:

Unavailable to students with credit for ENGI246 or CHEM345.

Cross-listed with CHEM3404 The main objective is to develop the students' ability to perform mass and energy balances on reactive and non-reactive processes. Introductory topics include systems of units and a study of process variable, such as temperature, pressure, and flowrate. Also covered are fundamental properties of multi-phase systems: phase equilibrium, vapour pressure, phase rule, Raoult's and Henry's Laws and colligative properties. An emphasis is placed on developing problem solving skills.

ENGI 2166

ENGINEERING ELECTRIC CIRCUITS

Credits: 3

Prerequisite:

MATH1105, MATH1206 and PHYS1204.

Exclusions:

Unavailable to students with credit for ENGI255.

The laws of electric circuit parameters, the concept of time constants, impedance, admittance and general network theorem. Lab sessions.

ENGI 2167

ENGINEERING DIGITAL LOGIC

Credits: 3

Exclusions:

Unavailable to students with credit for ENGI256.

This course includes an introduction to Boolean algebra, encoders, decoders, shift registers and asynchronous and synchronous counters. Design of asynchronous circuits, synchronous sequential circuits and finite state machines is covered. Programmable logic is introduced. K-map techniques are taught. Digital analysis software is used.

ENGI 2168

CIRCUIT ANALYSIS

Credits: 3

Prerequisite:

ENGI2166.

Exclusions:

Unavailable to students with credit for ENGI257.

Covers advanced circuit analysis techniques, starting with sinusoidal excitation. Concepts of phasors and complex impedance are fully developed. Mutual inductance and magnetically coupled coils are used to introduce transformer behaviour and performance. Real and reactive power flow is covered before the introduction of balanced, three-phase circuits for power distribution. Symmetrical components are introduced as a means of dealing with unbalanced networks. Concepts of grounding and harmonics included.

ENGI 2169

ENGINEERING MECHANICS OF DEFORMABLE BODIES (STRENGTH OF MATERIALS)

Credits: 3

Prerequisite:

ENGI1167, and one of MATH1105 or MATH1101

Exclusions:

Unavailable to students with credit for ENGI265.

The relationship between loads applied to a non-rigid body and the resulting deformations of the body including stress and procedures to follow under specified loading conditions.

ENGI 2171

THERMO- FLUID ENGINEERING I

Credits: 3

Prerequisite:

MATH1206, CHEM1104, ENGI1167, PHYS1204

Exclusions:

Unavailable to students with credit for ENGI245 or ENGI2164

Preliminary thermodynamic terms and concepts are reviewed, followed by the presentation of fundamental properties including heat and work. These properties, along with the zeroth, first, and second laws of thermodynamics, are used to examine closed and open thermodynamic systems. Elemental fluid properties are also presented along with an examination of static fluid principles including pressure variation, buoyancy, and stability. This is followed by a study of flowing incompressible fluid in pipes and ducts.

ENGI 2173

THERMO-FLUID ENGINEERING II

Credits: 3

Prerequisite:

ENGI2171

Exclusions:

Unavailable to students with credit for ENGI275 or ENGI2131

Flowing fluid characteristics are studied using a control volume approach to develop continuity, momentum, and energy relationships. Other topics examined include dimensional analysis, similitude, flow characteristics in conduits, and an exploration of flow measurement techniques and devices. Related issues presented include reversibility, thermal efficiency, entropy, and exergy. The course concludes with an understanding of gas and vapour power cycles and gas mixture properties.

ENGI 2174

ENVIRONMENTAL SCIENCE

Credits: 3

Exclusions:

Can only be used as a free elective by BSc students having credit for BIOL1101 (formerly BIOL101 and/or BIOL 2501 (formerly BIOL203).

This course provides a broad overview of biological processes from the cellular to ecosystem level in order to provide an introductory environmental background to students of various disciplines, especially engineering and environmental studies (science). General topic areas covered include: cell structure and function, genetics, ecology, ecosystem structure and function, biological applications for environmental control, environmental human health problems, toxicity and risk. The relevance of these topics to industrial and engineering applications is emphasized through examination of environmental impact assessment, energy considerations and remediation technologies.

ENGI 4101

GEOGRAPHICAL INFORMATION SYSTEMS & MAPPING

Credits: 3

Prerequisite:

ENGI2105 and PETR3134 or ENVI3131

This course involves the integration between drafting and GIS software packages for use in both petroleum and environmental technology. The ability to convert data between these packages is essential in many industries, and is therefore a focal point of this course. The student will be using a real-world data to solve geospatial problems while also learning the intricacies of file conversion and compatibility. The student will get experience utilizing data within the drafting software environments and drafting map software environments to develop and update maps. The students will subsequently learn the skills necessary to successfully bring the data into GIS software for further analysis.

ENGI 4101L

GEOGRAPHICAL INFORMATION SYSTEMS & MAPPPING

Credits: 0

ENGL1104

READING & WRITING ABOUT INDUSTRY AND THE ECONOMY

Credits: 3

Exclusions:

Unavailable to students with credit for ENGL200 or ENGL1600

An introduction to critical reading and writing through a variety of texts that deal with commerce and trade, and by responding to those texts in analytical prose. This writing intensive course includes an introduction to scholarly research.

ENGL1106

INTRODUCTION TO LITERATURE: LITERARY PROSE

Credits: 3

Exclusions:

Unavailable to students with credit for ENGL200 or ENGL1600

An introduction to critical reading and writing by focusing on the characteristics of Literary Prose and by modeling a range of approaches to literary analysis. This writing intensive course includes an introduction to scholarly research.

ENGL1107

READING & WRITING ABOUT MEDIA & CULTURE

Credits: 3

Exclusions:

Unavailable to students with credit for ENGL200 or ENGL1600

An introduction to critical reading and writing by focusing on the characteristics of Media and Culture and by modeling a range of approaches to analysis. This writing intensive course includes an introduction to scholarly research.

ENGL1108

INTRODUCTION TO LITERATURE: POETRY & DRAMA

Credits: 3

Exclusions:

Unavailable to students with credit for ENGL200 or ENGL1600

An introduction to critical reading and writing by focusing on the characteristics of Poetry and Drama and by modeling a range of approaches to literary analysis. This writing intensive course includes an introduction to scholarly research.

ENGL1109

READING & WRITING ABOUT SCIENCE

Credits: 3

Exclusions:

Unavailable to students with credit for ENGL200 or ENGL1600

An introduction to critical reading and writing through a variety of texts that deal with science, and by responding to those texts in analytical prose. This writing intensive course includes an introduction to scholarly research.

ENGL1113

TECHNICAL & SCIENCE WRITING

Credits: 3

Exclusions:

Unavailable to students with credit for ENGL207, BUSS265, ITEC 337, ITEC411. Cannot be counted in English major

Cross-listed with ITEC4501. This course focuses on intermediate technical writing skills (reports, proposals and instructions).

ENGL2061

UNSPECIFIED BRITISH LITERARY THEORY

Credits: 3

ENGL2100

HISTORY OF THE ENGLISH LANGUAGE

Credits: 6

Prerequisite:

ENGL1600 or 6 credits from ENGL1104, 1106, 1107, 1108, 1109

Exclusions:

Unavailable to students with credit for ENGL330 or HERT330.

The development of the English language, beginning with its origins and considering changes in phonology, morphology, syntax, vocabulary and orthography.

ENGL2200

NON-DRAMATIC LITERATURE OF THE 16TH CENTURY

Credits: 6

Prerequisite:

ENGL1600 or 6 credits from ENGL1104, 1106, 1107, 1108, 1109

Exclusions:

Unavailable to students with credit for ENGL305.

A study of the non-dramatic literature of the sixteenth century, emphasizing the work of Edmund Spenser.

ENGL2240

SHAKESPEARE

Credits: 6

Prerequisite:

ENGL1600 or 6 credits from ENGL1104, 1106, 1107, 1108, 1109 .

Exclusions:

Unavailable to students with credit for ENGL340

A survey of Shakespeare's plays

ENGL2300

EIGHTEENTH CENTURY ENGLISH LITERATURE

Credits: 6

Prerequisite:

ENGL1600 or 6 credits from ENGL1104, 1106, 1107, 1108, 1109

Exclusions:

Unavailable to students with credit for ENGL360.

A study of the prose and poetry of the period 1660-1800 with some study of the developments in drama and the novel.

ENGL2301

VICTORIAN POETRY

Credits: 3

Prerequisite:

ENGL1600 or 6 credits from ENGL1104, 1106, 1107, 1108, 1109

Exclusions:

Unavailable to students with credit for ENGL2360

A study of poetry of the Victorian period (1837-1901): authors such as Tennyson, Browning, Barrett Browning, Arnold, and Hopkins, among others, may be studied.

ENGL2303

ROMANTIC POETRY

Credits: 3

Prerequisite:

ENGL1600 or 6 credits from ENGL1104, 1106, 1107, 1108, 110

Exclusions:

Unavailable to students with credit for ENGL2340

A study of poetry of the Romantic period (1789-1837) including works by Blake, Wordsworth, Coleridge, P.B. Shelley, Byron and Keats, among others.

ENGL2400

MODERN IRISH & BRITISH POETRY

Credits: 6

Prerequisite:

ENGL1600 or 6 credits from ENGL1104, 1106, 1107, 1108, 1109

Exclusions:

Unavailable to students with credit for ENGL354.

Major modern poets and poetic movements of Britain and Ireland from their beginnings in the 1890s to mid-century.

ENGL2401

MODERN ENGLISH CANADIAN POETRY

Credits: 3

Prerequisite:

6 CREDITS OF ENGLISH

Exclusions:

Exclusions: ENGL 2420, ENGL 355

A study of major poets and poetic movements from the 1920s to the present.

ENGL2403

LITERATURE OF GLOBALIZATION

Credits: 3

Prerequisite:

ENGL1600 or 6 credits from ENGL1104, 1106, 1107, 1108, 1109

This course is designed to introduce students to contemporary postcolonial literature within the context of globalization. We will look at the place of literature and writers in the hyper-capitalist, digital world. In addition to exposing students to acclaimed writers from across the globe, this class will draw on a number of media, including news sources, blogs, and video in order to develop a fuller sense of cultural production in the contemporary moment.

ENGL2404

FOUNDATIONS OF POSTCOLONIAL LITERATURE

Credits: 3

Prerequisite:

ENGL1600 or 6 credits from ENGL1104, 1106, 1107, 1108, 1109

This introductory course exposes students to the foundational texts of postcolonial literature.

Students will read the works of literary giants such as Chinua Achebe (Nigeria) and Salman Rushdie (India), as well as lesser known but highly influential writers such as Ama Ata Aidoo (Ghana) and Bapsi Sidhwa (Pakistan). Readings from Bill Ashcroft's *The Empire Writes Back* will help to contextualize this literature within the broader English canon.

ENGL2420

MODERN ENGLISH CANADIAN POETRY

Credits: 6

Prerequisite:

ENGL1600 or 6 credits from ENGL1104, 1106, 1107, 1108, 1109

Exclusions:

Unavailable to students with credit for ENGL355.

Representative works of significant poets from the beginnings of modernism in Canada to the present.

ENGL2441

AMERICAN LITERATURE TO 1865

Credits: 3

Prerequisite:

ENGL1600 or 6 credits from ENGL1104, 1106, 1107, 1108, 1109

Exclusions:

Unavailable to students with credit for ENGL357.

A survey of major writers of the United States up to the end of the Civil War.

ENGL2461

CELTIC REVIVAL IN LITERATURE

Credits: 3

Prerequisite:

ENGL1600 or 6 credits from ENGL1104, 1106, 1107, 1108, 1109

Exclusions:

Unavailable to students with credit for ENGL371 or CELT371.

A study of the legends, literature, and mythology of the Celtic renaissance in the second half

of the nineteenth and early twentieth centuries.

ENGL2463

MODERN CELTIC LITERATURE

Credits: 3

Prerequisite:

ENGL1600 or 6 credits from ENGL1104, 1106, 1107, 1108, 1109

Exclusions:

Unavailable to students with credit for ENGL372 or CELT372

This course studies a variety of genres in English, including the novel, the essay, poetry, and short story by Irish and Scottish writers from 1900 to the present.

ENGL2601

ORAL LITERATURE: STORYTELLING & OTHER VERBAL GENRES

Credits: 3

Exclusions:

Unavailable to students with credit for FOLK201 or FOLK200.

Note:

July 2015 - ENGL2601 - restriction in place to not count as credit towards Group 1 of the BA core.

Cross-listed with FOLK2401 Cannot be counted in Group 1 of the BA Core. Analysis of storytelling, myths, folktales, legends, personal experience narratives, jokes, riddles, rhymes and proverbs.

ENGL2603

THE LITERATURE OF SPORT

Credits: 3

Prerequisite:

ENGL1600 or 6 credits from ENGL1104, 1106, 1107, 1108, 1109 or SPHK 1100

Exclusions:

SPHK2603

Cross-Listed with SPHK2603 A consideration of the way sports have been understood and represented in various forms of literature.

ENGL2604

FILM FORM & STYLE

Credits: 3

Exclusions:

Unavailable to students with credit for ENGL1601 or FINA101

This course approaches film as an art form with its own specialized language, consisting of elements such as cinematography, mise-en-scene, editing, and sound. Students will be taught the basic vocabulary of film studies, which they will employ in close analysis of film. The broader cultural implications of the medium will also be explored, and a diverse range of films produced in Hollywood, Canada, and the rest of the world will be studied. This course can be used to satisfy 3 credits in group 4 of the BA core. It cannot be used to satisfy group 1 in the BA core

ENGL2605

FILM GENRE & AUTHORSHIP

Credits: 3

This course will explore film both as a form of art produced by an "author" (or "authors") and as a form of entertainment that succeeds by producing easily recognizable "types" or "genres" that are familiar to audiences. It will consider theories of authorship and "auteurism" and will also explore the related question of the "genre film", a term often used to attack the lack of originality attributed to Hollywood film, but which has more recently been theorized in ways that attribute a greater level of sophistication to supposedly commercial cinema. This course can be used to satisfy 3 credits in group 4 of the BA core. It cannot be used to satisfy group 1 in the BA core

ENGL2606

DRAMATIC LITERATURE BY WOMEN I

Credits: 3

Prerequisite:

ENGL1600 or 6 credits from ENGL1104, 1106, 1107, 1108, 1109

A survey of dramatic literature written by women before 1900 ranging, for example, from a 17th Century closet drama by Elizabeth Cary to a Victorian Prize comedy by Catherine Gore.

ENGL2607

DRAMATIC LITERATURE BY WOMEN II

Credits: 3

Prerequisite:

ENGL1600 or 6 credits from ENGL1104, 1106, 1107, 1108, 1109

A survey of dramatic literature written by women after 1900 ranging, for example, from a British Suffragette drama by Elizabeth Robbins to a Canadian Aboriginal play by Yvette Nolan.

ENGL2610

THE BRITISH LITERARY TRADITION

Credits: 6

Prerequisite:

ENGL1600 or 6 credits from ENGL1104, 1106, 1107, 1108, 1109

Exclusions:

Unavailable to students with credit for ENGL379.

Major works of British literature in a variety of forms from each of the following historical periods: Medieval, Renaissance, 17th Century, Restoration and 18th Century, Romantic, Victorian and Modern.

ENGL2624

PLAYWRITING I

Credits: 3

Exclusions:

Unavailable to students with credit for ENGL303, DRAM331 or FINA303. Cannot satisfy the Group 1 BA core requirement. Can satisfy Group 4 BA core requirement.

Cross-listed with DRAM2621 An introduction to dramatic writing, incorporating creative and structural techniques to craft setting, character and narrative.

ENGL2625

PLAYWRITING II

Credits: 3

Prerequisite:

ENGL 303/2624 DRAM2621, or permission of the instructor.

Exclusions:

Unavailable to students with credit for ENGL323, DRAM333 or FINA323. Cannot satisfy the Group 1 BA core requirement

Cross-listed with DRAM2623. Further extension of the art and craft of writing dramatic texts for live theatre. The course will focus on dialogue and the development of scenes. Students will complete a one-act play in final draft. Attendance at theatre productions is required.

ENGL2640

LITERATURE WRITTEN BY WOMEN: THE BRITISH TRADITION

Credits: 6

Prerequisite:

ENGL1600 or 6 credits from ENGL1104, 1106, 1107, 1108, 1109

Exclusions:

Unavailable to students with credit for ENGL320.

A contextual and historical study of literature written by women in a variety of genres from the fourteenth to the twentieth centuries.

ENGL2642

SURVEY OF THE DRAMA

Credits: 6

Prerequisite:

ENGL1600 or 6 credits from ENGL1104, 1106, 1107, 1108, 1109

Exclusions:

Unavailable to students with credit for ENGL365.

A basic and comprehensive survey of the development of drama from its beginnings to the present.

ENGL2684

CHILDREN'S LITERATURE TO 1860

Credits: 3

Prerequisite:

ENGL1600 or 6 credits from ENGL1104, 1106, 1107, 1108, 1109

Exclusions:

Unavailable to students with credit for ENGL381.

A survey of the earliest literature for children, including folk and fairy tales, nursery rhymes, moral and educational material, and the literary tale.

ENGL2685

CHILDREN'S LITERATURE IN ENGLISH: 1860-1920

Credits: 3

Prerequisite:

ENGL1600 or 6 credits from ENGL1104, 1106, 1107, 1108, 1109

Exclusions:

Unavailable to students with credit for ENGL383.

Children's literature 1860-1920, with emphasis on the children's novels of the period.

ENGL3120

MIDDLE ENGLISH LITERATURE

Credits: 6

Prerequisite:

ENGL1600 or 6 credits from ENGL1104, 1106, 1107, 1108, 1109

Exclusions:

Unavailable to students with credit for ENGL300.

A study of the major writers and genres of Middle English literature, emphasizing Chaucer's Canterbury Tales. Works are read in Middle English

ENGL3122

MEDIEVAL DRAMA

Credits: 6

Prerequisite:

ENGL1600 or 6 credits from ENGL1104, 1106, 1107, 1108, 1109

Exclusions:

Unavailable to students with credit for ENGL332.

Medieval drama from its eleventh century resurgence through to the late medieval development of cycle and morality plays, with a focus on plays written in Britain in Middle English.

ENGL3200

LITERATURE OF THE 17TH CENTURY

Credits: 6

Prerequisite:

ENGL1600 or 6 credits from ENGL1104, 1106, 1107, 1108, 1109

Exclusions:

Unavailable to students with credit for ENGL312, 315 and 317.

A survey of the major writers of the seventeenth century, including the work of Milton.

ENGL3241

RENAISSANCE DRAMA I

Credits: 3

Prerequisite:

ENGL1600 or 6 credits from ENGL1104, 1106, 1107, 1108, 1109

Exclusions:

Unavailable to students with credit for ENGL341.

This course explores the dramatic work of Shakespeare's most important Elizabethan predecessors and contemporaries.

ENGL3243

RENAISSANCE DRAMA II

Credits: 3

Prerequisite:

ENGL1600 or 6 credits from ENGL1104, 1106, 1107, 1108, 1109

Exclusions:

Unavailable to students with credit for ENGL343.

This course explores the dramatic work of Shakespeare's most important Jacobean contemporaries and heirs.

ENGL3301

ROMANTIC DRAMA

Credits: 3

Prerequisite:

6 credits of English

Exclusions:

Unavailable to students with credit for ENGL378/3322

An examination of the dramatic literature of the Romantic period, with attention to the major dramatic genres of the period, included Gothic romance, historical drama, pantomime and Romantic tragedy.

ENGL3303

VICTORIAN DRAMA

Credits: 3

Prerequisite:

6 credits of English

Exclusions:

Unavailable to students with credit for ENGL378/3322

An examination of the dramatic literature of the Victorian period, with a focus to the major genres of the period, including melodrama, farce, and developments in social realism.

ENGL3320

RESTORATION & 18TH CENTURY DRAMA

Credits: 6

Prerequisite:

ENGL1600 or 6 credits from ENGL1104, 1106, 1107, 1108, 1109

Exclusions:

Unavailable to students with credit for ENGL361.

A survey of dramatic literature written by English and Irish playwrights from 1660 to the end of the eighteenth century. Playwrights to be studied include Wycherly, Dryden, Farquhar, Steele and Sheridan.

ENGL3360

THE NINETEENTH CENTURY NOVEL

Credits: 6

Prerequisite:

ENGL1600 or 6 credits from ENGL1104, 1106, 1107, 1108, 1109.

Exclusions:

Unavailable to students with credit for ENGL376/3360

Note:

course description changed Nov 21, 2016

The course examines the development of the novel in the Romantic period, including the historical novel, the Jacobin novel and Gothic novel, as well as the origins of the short story in its modern form. Authors to be studied may include Jane Austen, Walter Scott, William Godwin and Mary Shelley.

ENGL3361

ROMANTIC FICTION

Credits: 3

This course examines the fiction of the Victorian period across a wide range of genres from social realism to Gothic fantasy, with attention to developments both in the novel and the short story. Authors to be studied may include Dickens, Eliot, Gaskell, the Brontes, Hardy and Wilde.

ENGL3363

VICTORIAN FICTION

Credits: 3

Prerequisite:

6 credits of English

Exclusions:

ENGL376/3360

Note:

Course description added Nov 21, 2016

This course examines the fiction of the Victorian period across a wide range of genres from social realism to Gothic fantasy, with attention to developments both in the novel and the short story. Authors to be studied may include Dickens, Eliot, Gaskell, the Brontes, Hardy and Wilde.

ENGL3400

THE NOVEL FROM 20TH CENTURY BRITAIN AND IRELAND

Credits: 6

Prerequisite:

ENGL1600 or 6 credits from ENGL1104, 1106, 1107, 1108, 1109

Exclusions:

Unavailable to students with credit for ENGL353.

The development of the British and Irish novel in the Modern Age through a close study of representative works of major novelists of the period.

ENGL3401

WRITING MODERN AMERICA: FICTION TO 1950

Credits: 3

Prerequisite:

6 credits of English

Exclusions:

Unavailable to students with credit for ENGL351/3442

American novels and short stories from the first half of the twentieth century with close attention paid to the art, politics, and cultural changes of the Modernist moment.

ENGL3403

WRITING CONTEMPORARY AMERICA: FICTION AFTER 1950

Credits: 3

Prerequisite:

6 credits of English

Exclusions:

Unavailable to students with credit for ENGL351/3442

American fiction from the second half of the twentieth century, exploring a range of movements (including Beat, Postmodern, and Multicultural American) and a diversity of texts in both traditional and new modes like the graphic novel.

ENGL3404

MODERN AMERICAN POETRY: VOICES & VISIONS

Credits: 3

Prerequisite:

6 credits of English

Exclusions:

Unavailable to students with credit for ENGL352/3440

A study of major poets and poetic movements from the first half of the twentieth century. Formal, historical, and cultural analysis of the poets' innovations and changing American landscape their work reflect.

ENGL3405

CONTEMPORARY AMERICAN POETRY: VOICES & VISIONS

Credits: 3

Prerequisite:

6 credits of English

Exclusions:

Unavailable to students with credit for ENGL352/3440

A study of major poets and poetic movements such as Confessional, Beat, Black Mountain, New York School, and Identity-Multicultural poetry) from WWII to the present.

ENGL3406

CANADIAN DRAMA

Credits: 3

Prerequisite:

6 credits of first year English

The latest and most important texts in Canadian drama, including plays from different regions, representing the interests of specific Canadian demographics, and incorporating experimental theatrical practices.

ENGL3407

DRAMATIZING IRELAND: PLAYS FROM 1950 TO THE PRESENT

Credits: 3

Prerequisite:

6 credits of English

The texts of internationally known Irish plays, their foundations in myth and saga and their impact in the shaping of Ireland's cultural identity at home and abroad.

ENGL3420

MODERN CANADIAN NOVEL

Credits: 6

Prerequisite:

ENGL1600 or 6 credits from ENGL1104, 1106, 1107, 1108, 1109

Exclusions:

Unavailable to students with credit for ENGL356.

A study of representative works of Canada's foremost novelists in the twentieth century, with a view to tracing the development of the novel form in modern Canada.

ENGL3421

THE CANADIAN SHORT STORY TO 1960

Credits: 3

Prerequisite:

ENGL1600 or 6 credits from ENGL1104, 1106, 1107, 1108, 1109

Exclusions:

Unavailable to students with credit for ENGL367

A survey of the short story in Canada from its roots in the nineteenth century to 1960, with special attention to Scott, Leacock, Callaghan, Laurence, and others.

ENGL3423

THE CANADIAN SHORT STORY: FROM 1960 TO THE PRESENT

Credits: 3

Prerequisite:

ENGL1600 or 6 credits from ENGL1104, 1106, 1107, 1108, 1109

Exclusions:

Unavailable to students with credit for ENGL369.

A survey of the short story in Canada beginning in 1960 with special attention to Atwood, Munro, Gallant, Vanderhaeghe and others.

ENGL3424

NORTH AMERICAN ABORIGINAL LITERATURE

Credits: 3

Prerequisite:

ENGL1600 or 6 credits from ENGL1104, 1106, 1107, 1108, 1109

Exclusions:

Unavailable to students with credit for ENGL377.

Cross-listed with MIKM3424 An introduction to the songs and stories of pre-contact North American Aboriginal people, as well as the most recent flowering of writing in English over the last 30 years.

ENGL3441

MODERN AMERICAN DRAMA

Credits: 3

Prerequisite:

ENGL1600 or 6 credits from ENGL1104, 1106, 1107, 1108, 1109

Exclusions:

Unavailable to students with credit for ENGL387.

A study of selected American plays and dramatists of the twentieth century

ENGL3501

HISTORY & THEORY OF CRITICISM: PLATO TO THE 18TH CENTURY

Credits: 3

Prerequisite:

ENGL1600 or 6 credits from ENGL1104, 1106, 1107, 1108, 1109

Exclusions:

Unavailable to students with credit for ENGL329.

An introduction to the history and theory of classical criticism.

ENGL3503

HISTORY & THEORY OF CRITICISM: WOODSWORTH TO THE 20TH CENTURY

Credits: 3

Prerequisite:

ENGL1600 or 6 credits from ENGL1104, 1106, 1107, 1108, 1109

Exclusions:

Unavailable to students with credit for ENGL331.

An introduction to the history and theory of Romantic, Victorian and early twentieth century criticism.

ENGL3504

FEMINIST LITERARY CRITICISM AND PRACTICE

Credits: 3

Prerequisite:

ENGL1600 or 6 credits from ENGL1104, 1106, 1107, 1108, 1109

Exclusions:

Unavailable to students with credit for ENGL4522.

An introduction to feminist literary criticism and practice from Wollstonecraft to Wikipedia.

ENGL3621

INTRO TO CREATIVE WRITING: POETRY & POETICS

Credits: 3

Prerequisite:

ENGL1600 or 6 credits from ENGL1104, 1106, 1107, 1108, 1109 or permission of instructor.

Exclusions:

Unavailable to students with credit for ENGL333.

An introduction to the art and craft of writing poetry. The course aims to help students become more knowledgeable, sophisticated, creative, and engaged readers and writers of poetry. Cannot satisfy the Group 1 BA core requirement.

ENGL3623

INTRO TO CREATIVE WRITING: SHORT STORY

Credits: 3

Prerequisite:

ENGL1600 or 6 credits from ENGL1104, 1106, 1107, 1108, 1109 or permission of the instructor.

Exclusions:

Unavailable to students with credit for ENGL337.

Cannot satisfy the Group 1 BA core requirement. An introduction to the art and craft of writing the short story, with a focus on an understanding of the formal elements such as narrative, description, mood, etc.

ENGL3624

ECOTEXTS: FILM & LITERATURE

Credits: 3

Prerequisite:

ENGL1600 or 6 credits from ENGL1104, 1106, 1107, 1108, 1109

Ecocriticism is a way of reading literature and media from an environmental perspective. This course examines works of contemporary literature and film from the context of environmentalism and environmental crisis. We will look at texts that challenge our ways of thinking about the human-non-human relationship, paying special attention to issues of social and environmental justice around the world.

ENGL3625

NATURE WRITING

Credits: 3

Prerequisite:

ENGL1600 or 6 credits from ENGL1104, 1106, 1107, 1108, 1109

The arts that we produce shape the way we think about our relationship with nature. This course aims to introduce students to canonical nature writing and nature poetry that form the basis for a western environmental perspective. As a means of comparison and further exploration, we will also examine creative and non-fiction works from travel literature and form non-western perspectives. Authors under study may include Rachel Carson, Henry Thoreau, M.Scott Momaday, and Margaret Atwood among others.

ENGL3652

THE SHORT STORY

Credits: 6

Prerequisite:

ENGL1600 or 6 credits from ENGL1104, 1106, 1107, 1108, 1109

Exclusions:

Unavailable to students with credit for ENGL390.

A systematic examination of the short story, and its relationship to other types of fiction such as the novel. Differences in a variety of masters of the genre are studied.

ENGL3681

YOUNG ADULT FICTION

Credits: 3

Prerequisite:

ENGL1600 or 6 credits from ENGL1104, 1106, 1107, 1108, 1109

Exclusions:

Unavailable to students with credit for ENGL335.

This course considers the development of young adult fiction from its beginnings in the mid-twentieth century to the present, its generic diversity, the trends in the writing and publishing of fiction aimed at such a readership and the way in which this new fiction addresses the interests, needs and concerns of adolescents at the same time as it entertains and delivers social instruction.

ENGL3683

LITERATURE AND FILM: TEXT AND INTERTEXT

Credits: 3

Prerequisite:

ENGL1600 or 6 credits from ENGL1104, 1106, 1107, 1108, 1109

Exclusions:

Unavailable to students with credit for ENGL391.

This course examines the means by which authors and screenwriters reinterpret classical texts by reworking them into different contexts and media. Several movies will be analyzed to discover the text at the core of the work, and the relationship between the text and its modern reworking will be studied using critical approaches based on intertextuality, discourse theory and reader/audience response.

ENGL3684

INTRODUCTION TO FANTASY LITERATURE

Credits: 3

Prerequisite:

ENGL1600 or 6 credits from ENGL1104, 1106, 1107, 1108, 1109

Exclusions:

Unavailable to students with credit for ENGL393.

The course takes a thematic approach to the literary study of key works of fantasy while placing them in genre's cultural, historical and theoretical contexts. Novels and short stories will be drawn from several time periods with the major emphasis on modern and contemporary fantasy.

ENGL3685

INTRODUCTION TO SCIENCE FICTION

Credits: 3

Prerequisite:

ENGL1600 or 6 credits from ENGL1104, 1106, 1107, 1108, 1109

Exclusions:

Unavailable to students with credit for ENGL395.

The course takes a thematic approach to the literary study of key works of science fiction while placing them within the genre's cultural, historical, and theoretical contexts. Novels and short stories will be drawn from several time periods with the major emphasis on modern and contemporary science fiction.

ENGL3686

DETECTIVE FICTION

Credits: 3

Prerequisite:

ENGL1600 or 6 credits from ENGL1104, 1106, 1107, 1108, 1109

Exclusions:

Unavailable to students with credit for ENGL359.

This course surveys the origins and development of detective fiction, from its beginnings in the nineteenth century, through its rapid rise in popularity in the early twentieth century, to its status today as one of the most popular modes of fiction.

ENGL3801

DIRECTED STUDY IN ENGLISH

Credits: 3

Prerequisite:

ENGL1600 or 6 credits from ENGL1104, 1106, 1107, 1108, 1109

The student undertakes, on a tutorial basis, an individualized program of studies. Students should consult with the Department Chair for available instructors. Does not meet the BA core requirement for the English major.

ENGL3803

DIRECTED STUDY IN ENGLISH

Credits: 3

Prerequisite:

ENGL1600 or 6 credits from ENGL1104, 1106, 1107, 1108, 1109

The student undertakes, on a tutorial basis, an individualized program of studies. Students should consult with the Department Chair for available instructors. Does not meet the BA core requirement for the English major.

ENGL4140

INTRODUCTION TO OLD ENGLISH

Credits: 6

Prerequisite:

ENGL1600 or 6 credits from ENGL1104, 1106, 1107, 1108, 1109 at least one 2000 or 3000-level English course

Exclusions:

Unavailable to students with credit for ENGL400.

Cross-listed with HIST4140 A comprehensive study of the language and literature of the Old English period. The literature is read in Old English.

ENGL4200

MILTON

Credits: 6

Prerequisite:

ENGL1600 or 6 credits from ENGL1104, 1106, 1107, 1108, 1109 at least one 2000 or 3000-level English course.

Exclusions:

Unavailable to students with credit for ENGL418.

A comprehensive study of Milton's major writing.

ENGL4240

STUDIES IN SHAKESPEARE

Credits: 6

Prerequisite:

An earlier course in Shakespeare (or permission of the instructor), ENGL1600 or 6 credits from ENGL1104, 1106, 1107, 1108, 1109 and at least one 2000 or 3000-level English course.

Exclusions:

Unavailable to students with credit for ENGL490.

A detailed study of selected plays.

ENGL4362

LITERATURE OF TRANSITION: BRITISH LITERATURE 1870-1920

Credits: 6

Prerequisite:

ENGL1600 or 6 credits from ENGL1104, 1106, 1107, 1108, 1109 , at least one 2000 or 3000-level

English .

Exclusions:

Unavailable to students with credit for ENGL475.

An investigation of works in several genres of writers involved in the transition from Victorian to Modern literature.

ENGL4401

CONTEMPORARY IRISH LITERATURE

Credits: 3

Prerequisite:

ENGL1600 or 6 credits from ENGL1104, 1106, 1107, 1108, 1109 and at least one 2000 or 3000-level course in literature.

Exclusions:

Unavailable to students with credit for ENGL433.

A study of the work of Seamus Heaney in the context of current debates in Irish literary studies.

ENGL4403

CLASSICAL MYTHOLOGY TO MODERN LITERATURE

Credits: 3

Prerequisite:

ENGL1600 or 6 credits from ENGL1104, 1106, 1107, 1108, 1109 or 2000 or 3000-level course in literature.

Exclusions:

Unavailable to students with credit for ENGL 437.

A study of the interplay between classical mythology and modern poetry.

ENGL4501

TWENTIETH CENTURY CRITICISM & CRITICAL THEORY TO 1960

Credits: 3

Prerequisite:

ENGL1600 or 6 credits from ENGL1104, 1106, 1107, 1108, 1109 and at least one 2000 or 3000-level

English course .

Exclusions:

Unavailable to students with credit for ENGL426.

A survey of critical theory and practice in early modern criticism, including feminism, Marxism, psychological theory, new criticism and structuralism.

ENGL4503

TWENTIETH CENTURY CRITICISM & CRITICAL THEORY FROM 1960 TO THE PRESENT

Credits: 3

Prerequisite:

ENGL1600 or 6 credits from ENGL1104, 1106, 1107, 1108, 1109 and at least one 2000 or 3000-level English course .

Exclusions:

Unavailable to students with credit for ENGL428.

A survey of critical theory and practice in modern criticism in its most recent manifestations, including post structuralism, deconstruction, cultural and gender theories, among others.

ENGL4504

POSTCOLONIAL THEORY

Credits: 3

Prerequisite:

ENGL1600 or 6 credits from ENGL1104, ENGL1106, ENGL1107, ENGL1108, ENGL1109 and at least one 2000 or 3000-level English course.

This course offers an in-depth study of one of the most influential schools of thought in English today, postcolonial theory. This course will cover a number of fundamental concepts, such as the division between the colonized and colonizer, questions of language, identity, hybridity, the subaltern, and gender. In addition, it will point students towards more cutting-edge issues in postcolonial studies, such as environmentalism and animal studies. We will also read a selection of short-stories that will help illustrate some of the theoretical concepts.

ENGL4522

FEMINIST LITERARY THEORY

Credits: 6

Prerequisite:

ENGL1600 or 6 credits from ENGL1104, 1106, 1107, 1108, 1109 and at least one 2000 or 3000-level English course.

Exclusions:

Unavailable to students with credit for ENGL420.

The course examines feminist literary criticism and critical theories produced by women and men primarily since 1965, though some attention is paid to earlier works.

ENGL4630

WORLD LITERATURE IN ENGLISH

Credits: 6

Prerequisite:

ENGL1600

Exclusions:

Unavailable to students with credit for ENGL460.

A study of selected writers from a variety of countries whose work illustrates the universality of great art.

ENGL4704

SPECIAL TOPICS IN ENGLISH

Credits: 3

ENGL4711

SELECTED TOPICS IN AMERICAN LITERATURE

Credits: 3

Prerequisite:

ENGL1600 or 6 credits from ENGL1104, 1106, 1107, 1108, 1109 and at least one 2000 or 3000-level English course .

Exclusions:

Unavailable to students with credit for ENGL451.

Intensive study of selected themes, authors, or genres in American literature. Special topics

may vary with each presentation of the course. Consult with the Department Chair for further information

ENGL4751

SPECIAL TOPICS: SASS: INTERDISCIPLINARY SEMINAR

Credits: 3

ENGL4753

SPECIAL TOPICS: SASS: INTERDISCIPLINARY SEMINAR

Credits: 3

ENGL4754

SPECIAL TOPICS: SASS: INTERDISCIPLINARY SEMINAR

Credits: 3

ENGL4800

DIRECTED STUDY IN ENGLISH

Credits: 6

Prerequisite:

At least 24 credits in English with an overall average of 65%.

The student undertakes, on a tutorial basis, an individualized program of study. Students should consult the Department Chair for available instructors.

ENGL4900

HONOURS THESIS IN ENGLISH

Credits: 6

Prerequisite:

At least 24 credits in English with an overall average of 70%.

An extended research paper designed for students planning to enter graduate school. Students should consult the Department Chair for available instructors.

ENST1001

ENHANCED STUDIES

Credits: 3

ENST1003

ENHANCED STUDIES

Credits: 3

ENVI 2134

SOLID WASTE MANAGEMENT

Credits: 3

Exclusions:

Unavailable to students with credit for ENVI335.

The sources, characterization, handling, treatment and disposal alternatives for solid waste. Looks at local, national and international approaches to waste management

ENVI 2161

AIR POLLUTION

Credits: 3

Exclusions:

Unavailable to students with credit for ENVI315.

A study of the sources, characteristics, environmental effects and regulatory aspects of various air pollutants. Biological, chemical and engineering concerns are stressed. Laboratory exercises complement lecture principles.

ENVI 2163

OCCUPATIONAL HYGIENE

Credits: 3

Prerequisite:

Exclusions:

Unavailable to students with credit for ENVI325.

Note:

Removed at Paul MacDougall's request December 5, 2018

This course concentrates on the recognition, evaluation and control of potential health and safety hazards in the workplace. As well, relevant legislation and regulations are reviewed. The laboratory activities involve specific hazard assessments using appropriate methodologies and equipment.

ENVI 2403

ENVIRONMENTAL PSYCHOLOGY

Credits: 3

Prerequisite:

6 credits of Psychology

Note:

Added Feb 2, 2018 BK

Crosslisted with PSYC2403 Environmental Psychology is the study of the realities between humans and natural and built environments. Traditionally, the emphasis in environmental psychology has been on how human behaviour, feelings and well-being are impacted by the environment. Currently, there is an increased emphasis on how humans impact natural environments. This course will examine the theories guiding research in this field and review the research as it applies to topics such as the effects of weather and climate on behaviour and vice versa, urban and rural environments, crowding and personal space. Questions like "have you ever thought about why some people are committed recyclers while others toss items into the trash without a thought?" or even "How colours used to decorate an office space can improve productivity?" are samples of the kind of questions asked.

ENVI 3131

ENVI IMPACT ASSESSMENT I

Credits: 3

Exclusions:

Unavailable to students with credit for ENVI416.

Theory and practice of environmental impact assessment, with attention to the delivery of contents and skills in a socio-political and regulatory climate.

ENVI 3133

ENVI IMPACT ASSESSMENT II

Credits: 3

Prerequisite:

ENVI3131

Exclusions:

Unavailable to students with credit for ENVI417

Theory and practice of environmental impact assessment, with attention to the delivery of contents and skills in a socio-political and regulatory climate.

ENVI 3134

MANAGEMENT OF TECHNOLOGICAL INNOVATION I

Credits: 3

Exclusions:

Unavailable to students with credit for ENVI426 or PETR426.

This course examines the process whereby a research and development invention is converted into a socially useful and commercially successful new product. Small and large companies are studied.

ENVI 3134L

MANAGEMENT OF TECHNOLOGICAL INNOVATION I LAB

Credits: 0

ENVI 3135

MANAGEMENT OF TECHNOLOGICAL INNOVATION II

Credits: 3

Exclusions:

Unavailable to students with credit for ENVI427 or PETR427.

This course examines the process whereby a research and development invention is converted into a socially useful and commercially successful new product. Small and large companies are studied.

ENVI 3136

ENGINEERING FOR SUSTAINABLE DEVELOPMENT I

Credits: 3

Exclusions:

Unavailable to students with credit for ENVI436.

This course examines the consequences of energy use, industrialization and urbanization in order to provide working models for sustainable development. There is a focus on determining engineering solutions as well as management of technology.

ENVI 3137

ENGINEERING FOR SUSTAINABLE DEVELOPMENT II

Credits: 3

Exclusions:

Unavailable to students with credit for ENVI437.

This course examines the consequences of energy use, industrialization and urbanization in order to provide working models for sustainable development. There is a focus on determining engineering solutions as well as management of technology.

ENVI 3138

ENVIRONMENTAL AUDITING

Credits: 3

Exclusions:

Unavailable to students with credit for ENVI456.

Lectures will provide the basic grounding in environmental auditing theory with case study examples: audit scope, audit steps and other environmental auditing standards, types of audits, advantages, disadvantages and limitations, as well as environmental management systems.

ENVI 3831

ENVIRONMENTAL RESEARCH PROJECT

Credits: 3

Exclusions:

Unavailable to students with credit for ENVI499.

This course provides an opportunity for students to integrate the skills and knowledge acquired during pursuit of their degree into a research project centered on an area of interest in environmental studies. In consultation with a faculty member, a project proposal will be prepared and approved, permitting students to investigate and research topics beyond the levels provided for in the regular curricula. Organizational capabilities, time management and communication skills will all be stressed, along with the fundamental practices of sound technical research and academic inquiry.

ENVI 4801

DIRECTED STUDY IN ENVIRONMENTAL STUDIES

Credits: 3

ENVS1101

THE ART & SCIENCE OF ENVIRONMENTAL STUDIES

Credits: 3

Note:

Added Nov 23, 2016

This course will introduce students to Environmental Studies as an interdisciplinary field of research and will provide students with a wide-ranging introduction to current issues and practices in Environmental Studies. The emphasis will be on exploring how arts and science disciplines approach knowledge, problem solving and communication, and how the approaches of different disciplines can be combined to expand our ways of acquiring and disseminating knowledge.

ENVS2101

CANADIAN ENVIRONMENTAL PERSPECTIVES

Credits: 3

Note:

Course Added November 29, 2016

Course will examine environmental issues specific to Canada, around a central topic each year and include multiple perspectives from different disciplines. Course will also address the environmental perspectives from First Nations in Canada, from the pre-colonial era to the present.

ENVS2103

INTERSECTIONAL ENVIRONMENTAL SCIENCE

Credits: 3

Note:

Course description added Nov 29, 2016

This course will focus on the links between environmental topics and various scientific disciplines, and explore how different fields contribute towards our understanding of environmental issues. The course will be organized around a central theme in a particular discipline and examine different ways the discipline contributes to environmental research and communication.

ENVS2104

ENERGY, SOCIETY & THE ENVIRONMENT

Credits: 3

Prerequisite:

PHYS 1101 or PHYS 1104

Cross-listed with PHYS2104 In this course, students will be introduced to the underlying scientific principles necessary to understand energy production and energy use by our society. The course will include a survey of energy production and storage technologies. The main focus of the course is the use of scientific principles to examine questions around what quantities of energy are available to society from various sources, and what this implies for future choices that humanity must make.

ENVS2701

SPECIAL TOPICS IN ENVIRONMENTAL STUDIES

Credits: 3

ENVS3101

ENVIRONMENTAL WRITING: PAST & PRESENT

Credits: 3

Prerequisite:

3 credits of ENVS at the 2000 level

Note:

Course description added Nov 29, 2016

This course explores the evolution of the environmental movement and the history of environmental studies through seminal environmental literature and intensive writing practice. By building a writing portfolio of action-based writing assignments, and by participating in peer-editing and self-editing processes, students will gain the skills necessary to excel in a workplace or further studies.

ENVS3103

ENVIRONMENT & BUSINESS

Credits: 3

Prerequisite:

3 credits of ENVS at 2000 level.

Note:

Course description added November 29, 2016 Course description changed Feb 9, 2019

This course will introduce students to business structures, governance, and strategic priorities as they pertain to environmental projects and organizations. Students will develop the ability to read and understand basic financial statements. Budgeting concepts and funding for projects will be examined. In addition, students will gain familiarity with the regulatory environment in Canada, corporate social responsibility, and other sustainability related topics.

ENVS3104

FIELD COURSE IN ENVIRONMENTAL & COMMUNITY ISSUES

Credits: 3

Prerequisite:

3 credits of ENVS at 2000 level.

During this field course, students will explore topics in ecology and land use, investigate community involvement in conservation and research, work with community-based research projects, and explore communicating research in environmental topics to community partners. Topics and locations will vary. Substitutions: BIOL3501 may be used as a substitute for this course.

ENVS4101

SUSTAINABILITY, RESOURCES & ENVIRONMENT

Credits: 3

Prerequisite:

3 credits of ENVS at 3000 level.

Note:

course description added November 29, 2016

This course will employ an interdisciplinary perspective to introduce students to the issues and practices in resource studies. Students will become informed about resource management issues, and will explore the impacts of resource development on the environment. This course will examine issues of the allocation, scarcity, distribution, and protection of resources.

ENVS4103

GLOBAL ENVIRONMENTAL PERSPECTIVES

Credits: 3

Prerequisite:

3 credits of ENVS at 3000 level.

This course combines seminars and project-based activities to explore environmental issues and environmental actions outside North America. This class will consider nature and environmentalism in the context of globalization, war, aid, and rapid economic development or collapse. Case-studies will be included.

ENVS4802

ENVIRONMENTAL SOLUTIONS- CAPSTONE PROJECT

Credits: 6

Prerequisite:

Any 6 credits in ENVS at the 3000 level, and permission of the instructor

Exclusions:

ENVS4900

Note:

course description added November 29, 2016

Students will complete a project investigating an environmental issue from a multidisciplinary perspective. The capstone project will include a written report, and an oral presentation, and can include artistic works, media presentations, or other methods of communication. The goal of the capstone project is for students to demonstrate the skills

and knowledge they have gained throughout their program, and will focus on exploring solutions or approaches to chosen environmental issues. This course is required for all ENVS students not enrolled in ENVS4900

ENVS4900

HONOURS THESIS IN BAS ENVIRONMENT

Credits: 6

Prerequisite:

Prerequisites: Any 6 credits in ENVS at the 3000 level, and permission of the supervisor and program co-ordinators

Exclusions:

Exclusions: ENVS 4802

Note:

course description added november 26, 2016

Students will complete an original research project as their Honours thesis. This will include the preparation of an original research proposal, completion of the proposed research project, analysis of data, preparation of a written thesis and oral defence of this thesis. Students can be supervised by more than one faculty member and an interdisciplinary component is required. Creative or non-traditional scholarly works can be proposed but there must be an original research component. Students planning to register in this course must consult the Program Directors in the term preceding the expected start date of the project.

FINC2401

BUSINESS FINANCE I

Credits: 3

Prerequisite:

ACCT1203.

Exclusions:

Unavailable to students with credit for BUSS341.

A BBA core requirement. An introductory course in financial management. Topics include analysis of financial statements, long-term financial planning, time value of money, bond and stock valuation, investment criteria, basic capital budgeting techniques and their applications, risk returns and capital markets.

FINC2403

BUSINESS FINANCE II

Credits: 3

Prerequisite:

ACCT1204 and FINC2401 or permission of instructor.

Exclusions:

Unavailable to students with credit for BUSS342.

A BBA core requirement. An extension of FINC2401. Covers topics in long-term and short-term financing, such as issuing securities to the public, cost of capital, capital structure, dividend policy, cash and liquidity management, and credit and inventory management. Issues in mergers and acquisitions, leasing and options are also discussed.

FINC2405

PERSONAL FINANCE

Credits: 3

Exclusions:

Unavailable to students with credit for BUSS241.

The main objective of this course is to familiarize students with the basic principles of personal financial planning. Topics include identification of financial goals and priorities, budgeting, credit and debt, risk management and insurance, savings and investment, mortgages and buying a home, retirement planning, wills and estate planning and preparation of a financial plan.

FINC3401

INTERMEDIATE FINANCE

Credits: 3

Prerequisite:

MGSC1108, MGSC1109, FINC2401, and FINC2403.

Exclusions:

Unavailable to students with credit for BUSS445.

The case method is used to analyze problems and issues in corporate financial management. Emphasis is on the application of theoretical models to realistic situations.

FINC3403

LONG-TERM FINANCE

Credits: 3

Prerequisite:

FINC2401 and FINC2403.

Exclusions:

Unavailable to students with credit for BUSS346.

A study of various types of long-term capital available to the firm and theories relating to optimal capital structures

FINC3404

WORKING CAPITAL MANAGEMENT

Credits: 3

Prerequisite:

FINC401 and FINC2403

Exclusions:

Unavailable to students with credit for BUSS345.

An advanced course in management of a firm's short-term assets and liabilities, individually and in aggregate. To emphasize risk analysis and decision-making techniques, various optimization methods are discussed in level of aggregate liquidity, management of short-term liabilities, current debt structuring, cash management, inventory management, terms of sales, and credit decisions.

FINC4401

CAPITAL MARKETS

Credits: 3

Prerequisite:

FINC2401 and FINC2403.

Exclusions:

Unavailable to students with credit for BUSS441.

A study of contemporary financial markets and institutions in a global perspective, using Canada and the United States as a basis for understanding the rest of the world. A range of instruments for financing, investing and controlling risk in today's equity, debt, foreign exchange and derivatives markets, together with their participants, are discussed.

FINC4403

INVESTMENT MANAGEMENT

Credits: 3

Prerequisite:

FINC2403 or permission of the department.

Exclusions:

Unavailable to students with credit for BUSS443.

The analysis and management of investments, including a study of theoretical market and security models of North American capital markets.

FINC4404

CAPITAL BUDGETING

Credits: 3

Prerequisite:

MGSC1108, MGSC1109, FINC2401, and FINC2403.

Exclusions:

Unavailable to students with credit for BUSS442 or ECON375.

Cross-listed with ECON4105 Examines the capital investment process emphasizing analytical techniques to evaluate investment proposals. Includes: capital budgeting principles, time value of money, basic measures of capital investment desirability and mutually exclusive investments, cash flow identification, risk analysis, capital rationing, multi-criteria capital budgeting and linear programming.

FINC4406

OPTIONS & FUTURES MARKETS

Credits: 3

Prerequisite:

FINC2401 and FINC2403 or permission of instructor. Recommended: FINC4401.

Exclusions:

Unavailable to students with credit for BUSS446.

This course discusses the valuation methods and hedging strategies of options, futures, and forward contracts. It presents a balance of the institutional details, theoretical foundations and practical applications.

FINC4408

INTERNATIONAL FINANCE

Credits: 3

Prerequisite:

FINC2401 and FINC2403. Recommended: FINC4401.

Exclusions:

Unavailable to students with credit for BUSS448.

This course covers the foreign exchange market, its participants and institutions, exchange determination and forecasting, foreign exchange risk and management, international bond and equity markets and international portfolio diversification. Current events which influence the international financial setting will also be discussed.

FINC5401

FINANCE

Credits: 3

Prerequisite:

Prerequisites: ACCT 5204

Note:

Entered: September 21, 2018 SML

An introductory course in financial management. Topics include analysis of financial statements, long-term financial planning, time value of money, bond and stock valuation, investment criteria, basic capital budgeting techniques and their applications, risk returns and capital markets

FOLK1101

INTRODUCTION TO FOLKLORE: CONCEPTS & FIELDWORK

Credits: 3

Exclusions:

Unavailable to students with credit for FOLK101.

An introduction to fundamental concepts and fieldwork in Folklore study. Cape Breton oral and material traditions are emphasized.

FOLK1103

INTRODUCTION TO FOLKLORE: FOLKLORE GENRES & ANALYSIS

Credits: 3

Exclusions:

Unavailable to students with credit for FOLK113 or FINA113.

The course surveys various genres and analytical approaches in Folklore study. Maritime Canadian materials are emphasized.

FOLK2101

CULTURAL HERITAGE OF CAPE BRETON

Credits: 3

Exclusions:

Unavailable to students with credit for FOLK217, FOLK117 or HERT117.

An interdisciplinary study of the major cultural influences and developments that have shaped Cape Breton's history. This course is an explanation of the distinctive contributions of Mi'kmaq, Acadian, Celtic and European traditions that form the mosaic of Cape Breton culture.

FOLK2103

CUSTOM

Credits: 3

Exclusions:

Exclusions: Unavailable to students with credit for FOLK205.

This course examines modern and historic customs from around the world, focusing on both calendar customs (celebrations marking specific times of year) and personal customs (such as rites of passage), whether they be secular or sacred. Emphasis is placed on the role of personal experience narrative, gender and material culture as it relates to customs.

FOLK2104

ATLANTIC CANADIAN FOLKLORE

Credits: 3

Exclusions:

Unavailable to students with credit for FOLK211.

This course examines the society and culture of Atlantic Canada as a means to explore the historical context and modern manifestations of folklore and its study in this region

FOLK2105

SOCIAL HISTORY OF CELTIC MUSIC & DANCE

Credits: 3

Exclusions:

Unavailable to students with credit for FOLK231, CELT231, ETHM231, FINA 231 or HERT231.

Cross-listed with MUSI2251. This course looks at the history and social context of Celtic music and dance. Themes include the influence of politics, religion, commercialism and gender, as well as processes such as modernization, popularization, codification and revival. Also covered are key individuals (musicians, composers and collectors) and important societies and institutions. The focus is mainly on the music and dance of Ireland, Scotland and Cape Breton Island, with some exploration of other Celtic regions. Topics are examined from a cross-cultural perspective. No prior musical knowledge is required.

FOLK2106

PERFORMANCE ANALYSIS OF CELTIC ARTS II

Credits: 3

Prerequisite:

FOLK2105

Exclusions:

Unavailable to students with credit for CELT233, ETHM233, FINA233, FOLK233, or HERT233.

This course is a survey of Celtic music and dance. Major topics include traditional instruments, basic music theory for Celtic music and the classification of tune types and forms of song and dance. The focus is mainly on the music and dance of Ireland, Scotland, and Cape Breton Island, with some exploration of other Celtic regions. Topics are examined from a cross-cultural perspective. No prior musical knowledge is required.

FOLK2107

EARLY CANADIAN CELTIC MUSIC

Credits: 3

Exclusions:

Unavailable to students with credit for FOLK241, CELT241, ETHM241, FINA241, HERT241.

Cross-listed with MUSI2221 Students will analyze the Celtic music tradition in the New World,

by exploring different Canadian regions, specifically Western Canada, rural Quebec, Southern Ontario and Maritime Canada. The immense richness of the Celtic music in these regions and the wide range of influences that have nurtured the music socially and culturally will be examined.

FOLK2108

CONTEMPORARY CANADIAN CELTIC MUSIC

Credits: 3

Exclusions:

Unavailable to students with credit for FOLK243, CELT243, ETHM243, FINA243 or HERT243.

Cross-listed with MUSI2223 Students will analyze the Celtic music tradition in the New World, by exploring different Canadian regions, specifically Western Canada, rural Québec, Southern Ontario, and Maritime Canada. The immense richness of the Celtic music in these regions and the wide range of influences that have nurtured the music socially and culturally will be examined.

FOLK2109

MATERIAL CULTURE

Credits: 3

Note:

Offered every second year.

An examination of the role of Material Culture, including objects of cultural or personal meaning, whether purchased, created or inherited. Emphasis will be placed on Material Culture's role in folklife, custom, foodways, costume, and the built environment.

FOLK2111

INTRODUCTION TO GAELIC SONG

Credits: 3

Exclusions:

Unavailable to students with credit for FOLK207, CELT207, ETHM207 or FINA207.

Cross-listed with MUSI2201 Studies the history of the Celtic music traditions with special emphasis upon Scottish and Cape Breton musical traditions

FOLK2113

INTRODUCTION TO CELTIC INSTRUMENTAL MUSIC

Credits: 3

Exclusions:

Unavailable for students with credit to FOLK209, CELT209, ETHM209 or FINA209.

Cross-listed with MUSI2203 Studies the history of the Celtic music traditions with special emphasis upon Scottish and Cape Breton musical traditions.

FOLK2114

ETHNOGRAPHY & RESEARCH METHODS

Credits: 3

Prerequisite:

3 credits of 1000 level FOLK, MUSI or ANTH.

Exclusions:

Credit not available for students with FOLK1101 or FOLK101.

Note:

course description was added June 21, 2019. BK

Cross-listed with MUSI2114 and ANTH2114 This course will prepare students to conduct ethnographic research and incorporate their research into their writing. Topics covered include the ethics of fieldwork, interview, transcription, field notes, participant observation, object documentation, the uses of photography and video, library and archive research, ethnographic writing, and alternative knowledge transfer. Objects of study include custom, material culture, verbal art, oral history, music and dance.

FOLK2123

STORIES WE TELL: HISTORY, MEMORY & MEANING

Credits: 3

Exclusions:

Credit may not be obtained for both HIST1105/2123 and FOLK2123

FOLK2261

CELTIC DANCE

Credits: 3

Exclusions:

Unavailable for students with credit to FOLK230.

Cross-listed with MUSI 2214 Students will learn about social and solo dance forms from Scotland, Ireland and the new world diaspora. They will examine socio-cultural dance contexts (such as ceilidhs and competitions) and grapple with such issues as the impact of tourism on dance, dance as spectacle, invented dance traditions, changing dance traditions and contexts, intercultural influences, expressing identity through dance, and dance music. No dance background is required.

FOLK2401

ORAL LITERATURE: STORYTELLING & OTHER VERBAL GENRES

Credits: 3

Exclusions:

Unavailable to students with credit for FOLK201 or FOLK200.

Cross-listed with ENGL2601 Analysis of storytelling, myths, folktales, legends, personal experience narratives, jokes, riddles, rhymes and proverbs.

FOLK2403

ATLANTIC CANADIAN FOLK MUSIC

Credits: 3

Exclusions:

Unavailable to students with credit for FOLK203 or ETHM203.

Cross-listed with MUSI2301 This course examines a variety of vernacular musical traditions and will consider aspects such as performers, audiences, aesthetics, functions, history, venues, transmission and collection. The definition of folk music will be debated. Folk music collections will also be studied and questioned.

FOLK2404

URBAN LEGEND

Credits: 3

Exclusions:

Unavailable to students with credit for FOLK223.

A study of contemporary legends, conspiracy theories, and rumour in North American culture, with an examination of how they function and how they affect our perceptions.

FOLK2405

POPULAR MUSIC AND CULTURE

Credits: 3

Exclusions:

Unavailable to students with credit for ETHM121, FINA221, FOLK121, or MUSI121.

This course examines the development of North American and British popular music by surveying key historical periods and genres which gave rise to and define the popular idiom. There will be an emphasis on the links between popular music and the prevailing social conditions of each period.

FOLK2406

VERNACULAR ARCHITECTURE

Credits: 3

Exclusions:

Unavailable to students with credit for FOLK261, FINA107 or HIST203.

Cross-listed with HIST2111 An historical survey of vernacular architecture forms in various regions of North America with attention to Maritime materials.

FOLK2407

FOOD AND CULTURE

Credits: 3

Exclusions:

Unavailable to students with credit for FOLK267.

An examination of the role food plays in traditional and contemporary culture. Topics include food as material culture, food and economy, food and the environment, food and drink in ritual and custom, food and dietary taboo, culinary tourism and traditional foodways in contemporary culture. Fieldwork and/or archival work required.

FOLK2408

FOLKLIFE

Credits: 3

Exclusions:

Unavailable to students with credit for FOLK251.

This course examines distinctive cultural regions throughout North America and the lifeways of the people living there. Students will conduct fieldwork.

FOLK2409

THE HISTORY & DEVELOPMENT OF THE SINGER SONGWRITER

Credits: 3

Cross-listed with MUSI2409 This course surveys some of the key singer-songwriters of the past 80 years, examining the musical, social, economic and cultural meanings that have been developed by different singer-songwriter archetypes. The singer-songwriter's birth in the folk revivals of the 1930's and 1960's is surveyed. The different aesthetic and ideological purposes singer-songwriters have served, from grass-roots populism, to politically-conscious activism, to individualistic/personal revelation, to art-pop convergences, are addressed. The reshaping of singer-songwriter through different genre categories (folk, blues, rock, country, alternative) is assessed.

FOLK2411

ROOTS MUSIC & ACOUSTIC POP

Credits: 3

Cross-listed with MUSI2408 This course surveys different artists and genres which are covered under the umbrella of folk or roots music in the North American context, including but not limited to traditional country, blues, gospel, folk revival, folk-rock, zydeco, and bluegrass. The ways in which these roots styles are used to construct authenticity, advance political causes, and create or maintain cultural identities of various kinds, are explored, as are themes such as anti-modernism, "acousticity," and revivalism.

FOLK2501

POPULAR MUSIC & CULTURE: 1890 TO 1950

Credits: 3

Exclusions:

Unavailable to students with credit for FOLK2405, FOLK227, FOLK121, ETHM2401, ETHM227, ETHM121, FINA227, FINA121, MUSI2405, MUSI227 or MUSI121.

Cross-listed with MUSI2401 This course traces the development of popular song in North America from its earliest forms up to the development of rock and roll in the 1950's. Through topics such as parlour song, minstrelsy, jazz, country, swing and blues, the social, economic and technological forces that shaped popular song are explored in depth. The interrelationship between North American popular music and the diverse immigrant communities that helped create it is analyzed.

FOLK2503

POPULAR MUSIC & CULTURE: 1950 TO PRESENT

Credits: 3

Prerequisite:

Exclusions:

Unavailable to students with credit to FOLK229, ETHM229, FINA229 or MUSI229.

Note:

Dec 2014 - dropped pre-reqs

Cross-listed with MUSI2403 A continuation of Popular Music and Culture I, this course surveys the development of British and North American popular song between the 1960's and the 2000's. In addition to profiling the key performers, genres, businesses and texts from the past 40 years, students are introduced to the many issues that make popular music so compelling: its role in politics, social identity, economic shifts and technological changes. The sound and history of the music are connected to the prevailing social and cultural climate of each decade.

FOLK2704

SPECIAL TOPICS IN FOLKLORE

Credits: 3

FOLK3105

FOLKTALES & LEGENDS OF FRENCH CANADA

Credits: 3

Exclusions:

Exclusions: Unavailable to students with credit for FRNC335

The oral traditions of French Canada with emphasis on the narratives of Québec, Ontario, Manitoba and Acadie. Students registered as FOLK have the option to write their assignments in English or French.

FOLK3106

LA CHANSON TRADITIONNELLE EN AMÉRIQUE FRANÇAISE

Credits: 3

Crosslisted with FRC3106 and MUS3106I. An introduction to French traditional folk song in North America with an emphasis on its evolution in Acadia, Quebec and elsewhere in French Canada, as well as Louisiana. Students enrolled in the course as FRNC3106 must write their assignments in French. Students registered as MUSI or FOLK have the option to write their assignments in English or French.

FOLK3201

FOLKLORE & POPULAR CULTURE

Credits: 3

Exclusions:

Unavailable to students with credit for FOLK323.

Folk groups do not exist in vacuums: their members belong to multiple communities, defined as much by their participation in mediated events as by face-to-face interactions. This course examines the dissemination of Folklore through mass media, explores the use of popular culture in folkloric forms and challenges the initial premises that popular culture is a 'modern' and/or 'corrupting' influence on traditional societies.

FOLK3203

ISSUES IN FOLKLORE THEORY

Credits: 3

Prerequisite:

9 credits in Folklore.

Exclusions:

Unavailable to students with credit for FOLK325.

Keywords are critical within folklore studies: terms such as 'tradition', 'culture', 'heritage', 'community', 'performance', and 'art'. Appeals to each tend to suggest an ontological, quantifiable, and verifiable thing, something that exists outside of our recognition of it. This course examines the application of these terms both by folklorists and by 'the folk' themselves, and how the discipline of folklore has developed over time to incorporate critical theory.

FOLK3301

REVIVALS & SURVIVALS: STUDYING FOLK SONGS & TRADITIONAL MUSIC

Credits: 3

Prerequisite:

6 credits of ETHM/MUSI/FOLK (except performance courses)

Cross-listed with MUSI3301 CBU's programs in Folklore and Ethnomusicology specialize in folk and traditional music. Drawing on literature from both disciplines, as well as others, this course explores the study of this music. What exactly is folk music? Who defines it, on what basis, and with what effects? Who creates it and why? How does it travel through space and time, and how does it change as it does so? What is the value of this music and why should it be studied?

FOLK3400

CANADA'S CULTURAL LANDSCAPE

Credits: 6

Prerequisite:

12 credits in Anthropology and/or Sociology; or 6 credits Folklore; or background in Cultural Geography.

Exclusions:

Unavailable to students with credit for FOLK332 or AN/S332.

Cross-listed with AN/S3202 The course takes an interdisciplinary approach to the exploration of both the perception and experience of landscape. Opportunities to examine and interpret the cultural landscapes of students' own regions are provided.

FOLK3401

TRADITION & CULTURE

Credits: 3

Exclusions:

Unavailable to students with credit for FOLK107, FOLK325, HERT107 or HUMA107.

Cross-listed with HUMA3401. Following an interdisciplinary study of selected themes in western culture, the student is introduced to a range of significant texts from the disciplinary areas of Folklore and related subjects.

FOLK3403

GENDER IN TRADITIONAL AND INFORMAL CULTURE

Credits: 3

Prerequisite:

Any 6 credits in FOLK/MUSI/ETHM except performance courses.

Exclusions:

Unavailable to students with credit for FOLK311.

A study of how patterns of assigning gender roles - the division of labour, ideas of masculinity and femininity, sexual identity, the body as form - can be both informed and perpetuated by 'traditional' culture. Simultaneously, a study of the remarkable adaptability of folkloric forms to act as a critique against these same patterns of role assignments. Fieldwork and/or archival work required.

FOLK3511

POPULAR MUSICS OF THE WORLD

Credits: 3

Prerequisite:

Any 6 credits in FOLK/MUSI/ETHM except performance courses.

Exclusions:

Unavailable to students with credit for FOLK321, ETHM321 or MUSI321.

Cross-listed with MUSI3511 This course focuses on popular musics from outside the North American and British mainstream. Students will grapple with various issues relating to global popular musics, including how they circulate the world and what happens as a result of transcultural contact, how "world music" has been constructed and consumed in the West, issues of intellectual property and ownership, language choice and the role and modes of mass media.

FOLK3601

CULTURAL TOURISM: MUSIC, HERITAGE & THE EXOTIC

Credits: 3

Prerequisite:

Any 6 credits ETHM/MUSI/FOLK except performance courses.

Cross-listed with MUSI3601 Cultural tourism is an increasingly popular type of tourism globally. But what kind of culture is privileged and what kind of culture is avoided in tourism contexts? How does culture get staged? Do tourists experience "kitsch" or "authentic" culture? How is authenticity defined? How does the tourist context affect traditional cultural expressions and beliefs within a community? This course analyzes the "culture" in cultural tourism with an emphasis on the role of music in cultural tourism.

FOLK3603

CULTURE, FOLK & MUSIC FESTIVALS: IDENTITY ON DISPLAY

Credits: 3

Prerequisite:

Any 6 credits ETHM/MUSI/FOLK except performance courses.

Exclusions:

Cross-listed with MUSI3603 Festivals are hugely popular around the world. They provide the means for communities to showcase that which makes them unique and identifiable, including their music, food, dress, dance, and artwork. Festivals provide the opportunity to celebrate culture and identity for local residents while providing a cultural entrypoint for tourists. In this course, students consider festivals from a variety of perspectives, such as ritual, the carnivalesque, revivals, nationalism, identity, gender, and sexuality.

FOLK3608

MUSIC & PROTEST

Credits: 3

Prerequisite:

6 credits of MUSI (except performance courses) FOLK or POLS.

Exclusions:

FOLK308

Cross-listed with POLS3155 and MUSI3608 Social protest and activism are profoundly important parts of modern society, and music offers a potent means of articulating, organizing, and shaping collective efforts to challenge the status quo. In this course, we explore music in an integral dimension of human behavior with the power to move masses, to change society, and to be a weapon of political power.

FOLK4751

SPECIAL TOPICS: SASS: INTERDISCIPLINARY SEMINAR

Credits: 3

FOLK4753

SPECIAL TOPICS: SASS: INTERDISCIPLINARY SEMINAR

Credits: 3

FOLK4754

SPECIAL TOPICS: SASS: INTERDISCIPLINARY SEMINAR

Credits: 3

FOLK4800

DIRECTED STUDY IN FOLKLORE

Credits: 6

Prerequisite:

Restricted to Folklore majors - permission of Chair and consent of a faculty supervisor required

Folklore majors may select a course of study on any topic of special interest to them for which an appropriate faculty supervisor can be found from within the current Folklore faculty.

FOLK4801

DIRECTED STUDY IN FOLKLORE

Credits: 3

Prerequisite:

Restricted to Folklore majors - permission of Chair and consent of a faculty supervisor required

Folklore Majors may select a course of study on any topic of special interest to them for which an appropriate faculty supervisor can be found from within the current Folklore faculty.

FOLK4803

DIRECTED STUDY IN FOLKLORE

Credits: 3

Prerequisite:

Restricted to Folklore majors - permission of Chair and consent of a faculty supervisor required

Folklore Majors may select a course of study on any topic of special interest to them for which an appropriate faculty supervisor can be found from within the current Folklore faculty.

FRNC1100

INTRODUCTORY FRENCH I

Credits: 6

Exclusions:

Unavailable to students with credit for FRNC100.

Human Language Acquisition Course Designed for students with little or no previous training in French, the course delivers a comprehensive introduction to the basic structures and vocabulary of French.

FRNC1102

INTRODUCTORY FRENCH II

Credits: 6

Exclusions:

Unavailable to students with credit for FRNC150.

Human Language Acquisition Course The course stresses communication skills and meets the needs of students for a course beyond 1100 or Grade 11.

FRNC1203

BUSINESS & WORKPLACE FRENCH FOR BEGINNERS

Credits: 3

Exclusions:

Available for credit in the Hospitality Administration program only. Unavailable to students with credit for FRNC155.

Note:

course descriptions modified July 15, 2019

Human Language Acquisition Course A focus on beginner communication skills in French for a wide variety of situations related to business and the workplace.

FRNC2101

COMMUNICATION ORALE ET ÉCRITE I

Credits: 3

Exclusions:

Unavailable to students with credit for FRNC211.

Human Language Acquisition Course The emphasis is on reading and composition in addition to conversation. Instruction in French only.

FRNC2103

COMMUNICATION ORALE ET ÉCRITE II

Credits: 3

Exclusions:

Unavailable to students with credit for FRNC212.

Human Language Acquisition Course The emphasis is on reading and composition in addition to conversation. Deeper development of vocabulary and sentence structure.

FRNC2104

CONVERSATION

Credits: 3

Exclusions:

Unavailable to students with credit for FRNC231.

Human Language Acquisition Course A focus on current events and related topics using French newspapers, magazines and the electronic media. Includes a grammar component.

FRNC2105

RÉDACTION

Credits: 3

Exclusions:

Unavailable to students with credit for FRNC232.

Human Language Acquisition Course Follow-up to 2104 including more in-depth readings. Oral and written reports. Continuation of the grammar component.

FRNC2106

GRAMMAIRE INTENSIVE ET COMMUNICATIVE

Credits: 3

Exclusions:

Unavailable to students with credit for FRNC262.

Human Language Acquisition Course A comprehensive study of French grammar, both descriptive and normative, with a focus on areas such as morphology, syntax, the identification and correction of anglicisms, barbarisms, solecisms and other language improprieties.

FRNC2108

FRANÇAIS NIVEAU INTERMÉDIAIRE I

Credits: 3

Prerequisite:

Pre-requisite : FRNC1102

This course enables students to further develop their French language skills at the Intermediate level, while discovering the francophone world and its cultural diversity.

FRNC2109

FRANÇAIS NIVEAU INTERMÉDIAIRE II

Credits: 3

Prerequisite:

Pre-requisite: FRNC2108

A continuation of FRNC2108, with emphasis on accuracy in speaking and writing.

FRNC2204

CONVERSATION

Credits: 3

Human Language Acquisition Course A focus on current events and related topics using French newspapers, magazines and the electronic media. Includes a grammar component.

FRNC2205

RÉDACTION

Credits: 3

Human Language Acquisition Course Follow-up to 2204 including more in-depth readings. Oral and written reports. Continuation of the grammar component.

FRNC2206

GRAMMAIRE INTENSIVE ET COMMUNICATIVE

Credits: 3

Human Language Acquisition Course A comprehensive study of French grammar, both descriptive and normative, with a focus on areas such as morphology, syntax, the identification and correction of anglicisms, barbarisms, solecisms and other language improprieties.

FRNC2207

PHONÉTIQUE PRATIQUE & THÉORIQUE

Credits: 3

FRNC2301

CIVILISATION QUÉBÉCOISE ET ACADIENNE

Credits: 3

Exclusions:

Unavailable to students with credit for FRNC241.

Note:

June 10, 2015 - changed calendar description to read beginning of twentieth century instead of end of nineteenth century

Crosslisted with HIST2301. A study of the many facets of French-Canadian civilization from colonial times to the beginning of the twentieth century. Students registered as HIST have the option to write their assignments in English or French.

FRNC2303

LE CANADA FRANÇAIS DEPUIS 1914

Credits: 3

Exclusions:

Unavailable to students with credit for FRNC242.

Note:

course description was revised June 10, 2015

Crosslisted with HIST2303. A study of Francophone society in twentieth and twenty-first century Canada, with an emphasis on history, education, arts and literature. Students registered as HIST have the option to write their assignments in English or French.

FRNC2305

LANGUE ET CULTURE ACADIENNE

Credits: 3

Prerequisite:

FRNC2100, 2101/2103 or 2106 or permission of the Department.

A study of the socio-cultural and sociolinguistic situation of the Acadian communities of the Atlantic Provinces. The course will focus on specific features of Acadian French as well as major aspects of present day life in Acadian communities. This course is taught in French language.

FRNC2324

CINÉMA FRANÇAIS ET FRANCOPHONE

Credits: 3

Exclusions:

Unavailable to students with credit for FRNC243.

An interdisciplinary approach to improving knowledge of the French language and culture through the medium of contemporary cinema.

FRNC2401

INTRODUCTION À LA LITTÉRATURE FRANÇAISE

Credits: 3

Exclusions:

Unavailable to students with credit for FRNC251.

A survey of major authors, genres and texts from the Middle Ages to the eighteenth century. Includes class discussions of assigned readings

FRNC2403

LA LITTÉRATURE FRANÇAISE DEPUIS LE 19^e SIÈCLE

Credits: 3

Exclusions:

Unavailable to students with credit for FRNC252.

Continues FRNC2401 to include assigned readings from the nineteenth and twentieth centuries.

FRNC3103

STYLISTIQUE COMPARÉE ET TRADUCTION

Credits: 3

Exclusions:

Unavailable to students with credit for FRNC312.

Human Language Acquisition Course A selective study of different linguistic forms, variants and vocabulary peculiar to different users, situations or literary types.

FRNC3105

CONTES ET LÉGENDES DU CANADA FRANÇAIS

Credits: 3

Prerequisite:

FRNC2401.

Exclusions:

Unavailable to students with credit for FRNC335.

Crosslisted with FOLK3105. The oral traditions of French Canada with emphasis on the narratives of Québec, Ontario, Manitoba and Acadie. Students registered as FOLK have the option to write their assignments in English or French.

FRNC3106

LA CHANSON TRADITIONNELLE EN AMÉRIQUE FRANÇAISE

Credits: 3

Prerequisite:

6 credits in French at the 2000 level or FOLK/MUSI: 6 credits in Folklore and/or MUSI (excluding performances music courses).

Crosslisted with FOLK3106 and MUS3106. An introduction to French traditional folk song in North America with an emphasis on its evolution in Acadia, Quebec and elsewhere in French Canada, as well as Louisiana. Students enrolled in the course as FRNC3106 must write their assignments in French. Students registered as MUSI or FOLK have the option to write their assignments in English or French.

FRNC3107

LINGUISTIQUE FRANÇAISE

Credits: 3

Prerequisite:

9 credits in language acquisition at the 2000 level (including FRNC2106 or permission of the professor).

The course is a survey of the core areas of linguistics: phonetics, phonology, morphology, syntax and semantics. Students will become familiar with key concepts of general linguistics, with emphasis on the structure of the French language.

FRNC3108

CONVERSATION AVANCÉE

Credits: 3

Prerequisite:

FRNC2104

Exclusions:

FRNC3100

Designed as a continuation of FRNC2104, this course focuses on advanced oral skills for day-to-day, academic and professional situations. Students will develop greater speaking and listening abilities and improve pronunciation through a wide range of practical activities.

FRNC3109

RÉDACTION, VOCABULAIRE ET STYLE

Credits: 3

Prerequisite:

FRNC2105 or permission of the instructor

Note:

added course description nov 24, 2016

A focus on Advanced French writing skills for day-to-day, academic, and professional situations. Students will learn various text patterns, expand their vocabulary and improve their ability to use appropriate grammar and style when producing texts for a wide range of purposes.

FRNC3110

LE THÉÂTRE D'EXPRESSION FRANÇAISE AU CANADA

Credits: 6

Exclusions:

Unavailable to students with credit for FRNC350.

French Canadian theatre with emphasis on contemporary, popular plays and playwrights.

FRNC3301

PRAGMATIQUE ET COMMUNICATION INTERCULTURELLE

Credits: 3

Prerequisite:

FRNC2101, 2103, 2104, 2105 2324, 2106 or FRNC3100, 3101, 3103, 3102 or permission of the Department.

Note:

Course description change made on February 26, 2016

A cross-cultural approach to politeness strategies and speech acts (e.g. compliments, request, apologies, refusals, complaints, etc.) in French and English.

FRNC3303

SOCIOLINGUISTIQUE FRANÇAISE

Credits: 3

Prerequisite:

9 credits in Language acquisition at the 2000 level (including FRNC2106) or permission of professor.

Exclusions:

Unavailable to students with credit for FRNC3102

The course introduces students to the history, status and features of varieties of French in and outside of Canada. Students will understand the impact of region, time, situation, age, gender, status, media, etc. on the French language and become familiar with research methods and key concepts (e.g. bilingualism, indigenization, language contact, language ecology, linguistic rights, linguistic variation, identity, etc.) in sociolinguistics.

FRNC3324

CINÉMA FRANÇAIS ET FRANCOPHONIE

Credits: 3

FRNC3405

L'ÉCRITURE FÉMININE CANADIENNE FRANCOPHONE

Credits: 3

A survey of the evolution of the female character in over 250 years of literature in Québec, with emphasis on very early and contemporary work.

FRNC3441

LITTÉRATURE QUÉBÉCOISE

Credits: 3

Exclusions:

Unavailable to students with credit for FRNC3441

A study of the most popular writers from Quebec. The emphasis is on the novel and the play.

FRNC3443

LITTÉRATURE ACADIENNE

Credits: 3

Exclusions:

Unavailable to students with credit for FRNC332.

A study of Acadian literature, its beginnings, survival and renaissance. Emphasis is on the period 1945 to the present day.

GAEL1101

GAELIC LANGUAGE I

Credits: 3

Exclusions:

Unavailable to students having credit for GAEL101, CELT101 or CELT100.

Introduces students to the living language spoken in Cape Breton and in Scotland. Discussion

of various dialects of Scottish Gaelic spoken here, the Gaelic song and story telling traditions and the unique position of Cape Breton in the Gaelic world.

GAEL1103

GAELIC LANGUAGE II

Credits: 3

Prerequisite:

GAEL1101.

Exclusions:

Unavailable to students having credit for GAEL103, CELT103 or CELT100.

This course builds on GAEL1101 with an increased emphasis on conversational skills.

GAEL2101

ADVANCED GAELIC I

Credits: 3

Prerequisite:

GAEL1101/1103.

Exclusions:

Unavailable to students having credit for GAEL201 or CELT201.

This course builds on the knowledge and skills acquired in GAEL1103. The primary aim is to develop reasonable fluency in the written and spoken language. Emphasis is placed on the use of idiom and more advanced grammatical structures presented in the context of conversation and recitation.

GAEL2102

ADVANCED GAELIC (I, II)

Credits: 6

GAEL2103

ADVANCED GAELIC II

Credits: 3

Prerequisite:

GAEL2101.

Exclusions:

Unavailable to students having credit for GAEL203 or CELT203.

This course builds on the knowledge and skills acquired in GAEL2101. The primary aim is to develop reasonable fluency in the written and spoken language. Emphasis is placed on the use of idiom and more advanced grammatical structures presented in the context of conversation and recitation.

GAEL3101

ADVANCED GAELIC III

Credits: 3

Prerequisite:

GAEL2103

Exclusions:

Unavailable to students with credit for GAEL301.

This course develops the student's listening, speaking, reading and writing skills in Gaelic, in order to participate in sustained communication in a wide range of contexts on both familiar and less familiar topics.

GAEL3102

ADVANCED GAELIC (III, IV)

Credits: 6

GAEL3103

ADVANCED GAELIC IV

Credits: 3

Prerequisite:

GAEL3101.

Exclusions:

Unavailable to students with credit for GAEL303.

This course will reinforce, extend, and apply the language skills developed in GAEL3101, enabling the student to analyse the style, content, purpose and perspective of spoken communication in Gaelic and provide a critical response.

GEOL1105

INTRODUCTION TO GEOLOGY

Credits: 3

Exclusions:

Unavailable to students with credit for GEOL101, 1101,1103,2101.

This course is an introduction to geology for students in all fields. This course will develop an understanding of the composition and large-scale structure of the earth, how it functions as a planet and system and how geology affects every aspect of life on earth. Students will be introduced to plate tectonics, rock types, natural hazards and geological resources.

GEOL1105L

INTRODUCTION TO GEOLOGY LAB

Credits: 0

GEOL1107

DEADLY PLANET: THE SCIENCE OF NATURAL DISASTERS

Credits: 3

Earthquakes! Volcanoes! Tornadoes! They're terrifying, but how do they work? (And are you in danger here in Nova Scotia?) This course will survey the main geological processes that affect people and their environment, with a focus on natural and anthropogenic geologic hazards. Topics covered will include volcanoes, earthquakes, tsunamis, extreme weather, climate change, and meteor impacts. The focus will be on developing a scientific understanding of the causes of these phenomena, but the course will also examine technologies that allow us to predict or adapt to these threats, as well as case studies of some of the most destructive historical examples of each class of disaster. No background in science is assumed.

GEOL1205

EVOLVING EARTH: THE STORY OF OUR PLANET

Credits: 3

Note:

DEC 2014 edit - added pre-reqs DEC 2018 - removed pre-req GEOL1105 or GEOL2101 Course description changed December 5, 2018

This course examines the fundamental processes that shape the surface of the Earth today and how those processes have interacted and changed over Earth's 4.54 billion year history. Topics covered will include the origin and evolution of life and Earth's atmosphere, ice ages, moving continents and the formation of Canada, and mass extinctions. Particular emphasis will be placed on the complex interaction between life, the oceans, the atmosphere, and the geosphere. Lab exercises will include hands on study of major fossil groups, geological dating, sedimentary structures, and paleogeography. A field trip to a local fossil site is weather dependent.

GEOL1205L

EVOLVING EARTH: PROCESSES & ENVIRONMENTS LAB

Credits: 0

GEOL2101

ENGINEERING GEOLOGY

Credits: 3

Exclusions:

Unavailable to students with credit for GEOL234.

Note:

dec 5, 2018 - course description changed

This is a course dealing with the fundamental principles of geology for engineers. Topics include plate tectonics, minerals, rocks, surface processes, natural hazards, geological resources rock deformation and geological structure with specific applications to engineering issues and rock mechanics. Labs will include mineral and rock identification, and an introduction to aerial photos, topographic and geological maps and structures.

GEOL2103

GEOCHEMISTRY

Credits: 3

Prerequisite:

CHEM1105 and GEOL1105

Cross-listed with CHEM2103 This course examines the applications of basic chemical

principles from an earth science perspective. It covers the geochemical processes involved in the formation of rocks and mineral, the evolution of crustal and surface environments, and the behaviour of different groups of chemical elements in geological environments. Applications of geochemical principals in isotope geochemistry (stable and radioactive), tracer geochemistry, and public health will be examined.

GEOL2103L

GEOCHEMISTRY LAB

Credits: 0

GEOL3101

HYDROGEOLOGY

Credits: 3

Exclusions:

Unavailable to students with credit for GEOL315

Note:

Feb 8, 2019 - Pre-requ's removed at request of Dept.

The study of ground water as part of the hydrological cycle. Physical aspects of water movement in geological materials. Drinking water quality, contamination, remediation and ground water monitoring. Resource mapping and exploitation of ground water. Students should be in the second year or higher of their program to enrol in this course.

GEOL3103

PETROLEUM GEOLOGY

Credits: 3

Prerequisite:

GEOL2101

This course will explore the geological principles involved in the formation and preservation of petroleum resources. Students will be introduced to carbonate and siliciclastic sedimentology, basic sequence stratigraphic principles, basin analysis and structural geology as related to petroleum exploration and recovery.

GEOL3103L

PETROLEUM GEOLOGY LAB

Credits: 0

GWST1101

INTRO TO GENDER AND WOMEN'S STUDIES

Credits: 3

This course will serve as an introduction to some of the significant topic areas in the fields of gender and women's studies. Students will be invited to critically examine the social understanding of gender and the powerful role that gender plays in the arenas of family, personal relationships, the criminal justice system, the economy, work, the media, health sexualities, security and the environment.

GWST2193

WOMEN IN EASTERN RELIGIOUS TRADITION

Credits: 0

Note:

CROSS-LISTING ADDED JUNE 21, 2019

CROSS-LISTED WITH RELS2193 AND HIST2193 Feminist theology has developed recently as a critique and re-interpretation of traditional theology of women. This course examines this new theology and the new insights it generates in the Eastern religious tradition.

GWST3133

SLAVERY & FREEDOM IN THE AMERICAS

Credits: 3

Prerequisite:

6 credits of HIST

Exclusions:

Unavailable to students with credit for HIST320 or HIST3132

Cross-listed with HIST3133 This course examines slavery in the Americas -from the origins of European colonization of the "New World" in the late 15th century to the abolition of slavery by the British Parliament nearly 350 years later. Particular attention will be paid to the gendered nature of slave life and ways in which slaves resisted their exploitation. The course concludes with a consideration of the global campaign to abolish slavery and representations of slavery in popular culture.

GWST3703

SPECIAL TOPICS IN GWST

Credits: 3

GWST3801

DIRECTED STUDY IN GWST

Credits: 3

HATM1501

INTRO FOOD THEORY & NUTRITION

Credits: 3

Exclusions:

Unavailable to students with credit for HATM161

Students will learn the fundamentals of nutrition, food preparation, proper food handling, and workplace safety with reference to current lifestyle and food industry standards.

HATM1503

RESTAURANT OPERATION & SERVICE

Credits: 3

Prerequisite:

HATM1501.

Exclusions:

Unavailable to students with credit for HATM162.

Students will acquire a comprehensive overview of the various techniques associated with dining room service.

HATM1504

HOSPITALITY TOURISM IN CANADA

Credits: 3

Exclusions:

Unavailable to students with credit for HATM165.

Students are instructed in the fundamental components of the hospitality and tourism industry in Canada.

HATM1506

INTRODUCTION TO TOURISM MARKETING

Credits: 3

Exclusions:

Unavailable to students with credit for HATM163.

Note:

At the time of printing, this cross-listing was being re-evaluated. Please refer to the HTML calendar at www.cbu.ca for details or contact the Dean of Business.

This course examines the concept of markets, market studies, market segmentation, consumer behaviour, and the development of marketing strategies from a tourism service/product market perspective.

HATM2999

INDUSTRY INTERNSHIP I

Credits: 0

Exclusions:

Unavailable to students with credit for HATM269.

Following the successful completion of year one, the student is required to work in the industry. This component requires project completion and 540 employment hours.

HATM3125

TOURISM OPERATION PLANNING

Credits: 3

Prerequisite:

ACCT1204, HATM1503, HATM1506 and HATM3504.

Exclusions:

Unavailable to students with credit for HATM363.

The course emphasizes the use of knowledge and skills acquired in accounting, marketing, facilities management, human resources and restaurant operations in the tourism manager's decision making. The emphasis is on the interrelationship of the core business areas required to plan, develop and sustain demand for the organization in the tourism industry.

HATM3503

MEETINGS AND CONVENTION MANAGEMENT

Credits: 3

Prerequisite:

HATM1501 and HATM1503 or permission of the instructor.

Exclusions:

Unavailable to students with credit for HATM365.

This course provides a comprehensive overview of the Meetings, Expositions, Events and Conference industry (MEEC). Attention will be placed on the importance of corporate and association-based clients, marketing, and management approaches.

HATM3504

RESORT/FACILITIES MANAGEMENT AND MAINTENANCE

Credits: 3

Prerequisite:

HATM1504 and HATM1505.

Exclusions:

Unavailable to students with credit for HATM367

This course provides students with an in-depth knowledge of management processes in the development and operation of lodging or institutional property structures.

HATM3505

HOSPITALITY/TOURISM LAW

Credits: 3

Exclusions:

Unavailable to students with credit for HATM368.

This course provides students with insight into the legal relationships between innkeepers, restaurateurs, tour operators and their guests. Risk and liability reduction as well as ethical service will be a major

HATM3508

DESTINATION MARKETING MANAGEMENT

Credits: 3

Prerequisite:

HATM1506 or permission of the instructor.

Exclusions:

Unavailable to students with credit for HATM375.

This course will examine destination marketing management as a field of study, investigating concepts that apply to the development of tourist destinations. Students will examine marketing management as it relates to destination branding, destination sustainability and the opportunities and challenges facing local, regional and national destination marketing organizations in an increasingly competitive tourism marketplace.

HATM3509

INTERNATIONAL TOURISM MANAGEMENT

Credits: 3

Prerequisite:

HATM1504 and MGMT3607.

Exclusions:

Unavailable to students with credit for HATM373

This course will introduce the concepts associated with cross-cultural awareness; political influence and stability; education, training and development; currency exchange; strategic development and trending in international tourism operations. Students will explore topical issues and concepts through classroom discussion, case studies, and presentations. Upon successful completion of the course students should be able to apply information learned in a wide range of management sectors including the hospitality, tourism, accommodation and travel industries.

HATM3999

INDUSTRY INTERNSHIP II

Credits: 0

Prerequisite:

HATM2999.

Exclusions:

Unavailable to students with credit for HATM369.

The program's second work placement. The objective is to enhance the student's qualifications for employment. This component requires project completion and 540 employment hours.

HIST1100

THE ASCENT OF HUMANKIND

Credits: 6

Exclusions:

Unavailable to students with credit for HIST100. Students may not take both HIST1100 and Humanities 1101/1106 for credit.

An historical/thematic study of civilization and culture in the Western world from ancient times to the present.

HIST1101

THE ASCENT OF HUMANKIND I

Credits: 3

Exclusions:

Unavailable to students with credit for HIST100 or HIST1100

This course provides a historical and thematic examination of civilization and cultures in the Western World from pre-history through the classical and early medieval worlds.

HIST1103

THE ASCENT OF HUMANKIND II

Credits: 3

Exclusions:

Unavailable to students with credit for HIST100 or HIST1100

This course provides a historical and thematic examination of civilization and cultures in the Western World from the Renaissance and Reformation to the modern era.

HIST1107

WOMEN IN CIVILIZATION

Credits: 3

HIST1115

INTRODUCTION TO WORLD RELIGIONS: EASTERN TRADITIONS

Credits: 3

Exclusions:

Unavailable to students with credit for HIST115, HUMA115, RELS115 or RELS110.

Cross-listed with HUMA1104 and RELS1115 The history, practice and meaning of the Hindu and Buddhist traditions will be examined along with Jainism and Sikhism. Their contribution to our understanding of religion as a whole and present day role of these traditions in world events will be discussed.

HIST1117

INTRODUCTION TO WORLD RELIGIONS: WESTERN TRADITIONS

Credits: 3

Exclusions:

Unavailable to students with credit for HIST117, HUMA117, RELS117 or RELS110.

Cross-listed with HUMA1105 and RELS1117 Judaism, Christianity and Islam are three great world religions that have influenced Western society. This course will examine the origins, major historical developments, cultural influence and teachings of these world religions. There will also be an emphasis on the role these religions play in current world events and politics.

HIST1161

INTRODUCTION TO INDIGENOUS STUDIES

Credits: 3

HIST2100

THE MEDIEVAL EXPERIENCE

Credits: 6

Prerequisite:

Any six credits from HIST1101, 1103, and/or 1105 or permission of instructor.

Exclusions:

Unavailable to students with credit for HIST212.

Explores the full scope of medieval civilization in Europe, from the disintegration of the Roman Empire in the west in the fifth century to the Voyages of Discovery in the fifteenth. Covers high politics and religion as well as social structure, thought and belief, cultural achievements and women and minority groups.

HIST2101

THE ORIGINS OF CANADA

Credits: 3

Prerequisite:

Any six credits from HIST1101, 1103, and/or 1105 or permission of instructor.

Exclusions:

Unavailable to students with credit for HIST201.

Note:

Course description changed November 18, 2016

This course examines the major social, cultural, political, and economic developments in early Canada, beginning with the first encounters between aboriginal peoples and Europeans in North America to the creation of Canada in 1867. An introductory course, HIST 2101 also introduces students to key debates among historians and the skills necessary to conduct independent historical research

HIST2102

CELTIC HISTORY

Credits: 6

Prerequisite:

Any six credits from HIST1101, 1103, and/or 1105 or permission of instructor.

Exclusions:

Unavailable to students with credit for HIST234 or CELT234

Traces the origins and history of the Celtic people of Scotland, Ireland and Wales and their contributions to the development of Western civilization. Special emphasis is placed on their role in developing Western Christianity.

HIST2103

CANADA IN A MODERN WORLD

Credits: 3

Prerequisite:

Any six credits from HIST1101, 1103, and/or 1105 or permission of instructor.

Exclusions:

Unavailable to students with credit for HIST205.

Note:

Course description change Nov 18, 2016

An introductory course, HIST 2103 examines the origins and evolution of modern Canada. Important themes include: immigration; aboriginal-European relations; economic, political, and environmental change; and regional and national identities. Students will engage in scholarly debates and learn how to conduct independent historical research.

HIST2104

ATLANTIC CANADA BEFORE CONFEDERATION

Credits: 3

Prerequisite:

Any six credits from HIST1101, 1103, and/or 1105 or permission of instructor.

Exclusions:

Unavailable to students with credit for HIST207.

Examines settlement and political, economic, social and cultural change in the region from pre-contact Mi'kmaq society to 1867.

HIST2105

ATLANTIC CANADA 1867-1990

Credits: 3

Prerequisite:

Any six credits from HIST1101, 1103, and/or 1105 or permission of instructor.

Exclusions:

Unavailable to students with credit for HIST209

The history of economic, political and social change in the region after Confederation.

HIST2106

THE REFORMATIONS

Credits: 3

Prerequisite:

Any six credits from HIST1101, 1103, and/or 1105 or permission of instructor.

Exclusions:

Unavailable to students with credit for HIST251.

A study of religious reform movements in the sixteenth century, beginning with Christian Humanism, then to Martin Luther, John Calvin, the Anabaptists and other Protestant groups, and concluding with a consideration of Catholic Reform, expressed through Loyola and the Council of Trent.

HIST2107

EUROPE IN THE 17TH CENTURY

Credits: 3

Prerequisite:

Any six credits from HIST1101, 1103, and/or 1105 or permission of instructor.

Exclusions:

Unavailable to students with credit for HIST253.

The struggle for European hegemony, revolutions, overseas empires, rise of modern science and changes in European thought, religion and society.

HIST2108

HISTORY OF CHRISTIANITY I: THE CHRISTIANIZATION OF WESTERN EUROPE

Credits: 3

Prerequisite:

Any six credits from HIST1101, 1103, and/or 1105 or permission of instructor.

Exclusions:

Unavailable to students with credit for HIST261 or RELS261

Cross-listed with RELS2161 The rise of Christianity from its origins as a sect within Judaism to its domination of life in medieval Europe.

HIST2109

HISTORY OF CHRISTIANITY II: CHRISTIANITY & THE MODERN WORLD

Credits: 3

Prerequisite:

Any six credits from HIST1101, 1103, and/or 1105 or permission of instructor.

Exclusions:

Unavailable to students with credit for HIST263 or RELS263

Cross-listed with RELS2163 The history of Christianity from the reformations of the sixteenth century to the present.

HIST2110

MI'KMAQ HISTORY

Credits: 6

Prerequisite:

Any six credits from HIST1101, 1103, and/or 1105 or permission of instructor.

Exclusions:

Unavailable to students with credit for HIST204 or MIKM212

Cross-listed with MIKM2120 A culturally relative chronicle of significant aspects of Mi'kmaq culture from the pre-contact period to the present. Emphasis is placed on innovative methods of historical reconstruction.

HIST2111

VERNACULAR ARCHITECTURE

Credits: 3

Exclusions:

Unavailable to students with credit for HIST203, FINA107, or FOLK261.

Cross-listed with FOLK2406 An historical survey of vernacular architectural forms in various regions of North America with special attention to Maritime materials

HIST2112

SURVEY OF BRITISH HISTORY

Credits: 6

Prerequisite:

Any six credits from HIST1101, 1103, and/or 1105 or permission of instructor.

Exclusions:

Unavailable to students with credit for HIST232

The diversity and history of Britain from its early beginnings to the present: thematic and chronological perspectives.

HIST2113

EUROPE IN RENAISSANCE & REFORMATION

Credits: 3

Prerequisite:

Any six credits from HIST1101, 1103, and/or 1105 or permission of instructor.

Between 1450 and 1600 Europe witnessed the cultural renewal of the Renaissance and the disruption of the Reformation. These two movements are at the heart of this course, and are situated in the political, social, and economic developments of the time.

HIST2114

A HISTORY OF MONEY

Credits: 3

What is money? Why and how does it assume value? How have its uses changed over time? And what has been its societal impact? Exploring the emergence of systems of exchange rooted in evolving politico-economic arrangements, including state formation, the development of financial institutions and financial innovation, and the expansion of global trade, this course demystifies money and examines the ways in which money and financial innovation have reshaped our world. Approaching the subject from a global perspective, this course will pay particular attention to the history of money in North America.

HIST2115

CANADIAN MILITARY HISTORY

Credits: 3

Although Canadians tend to think of themselves as an unmilitary people, the reality is that Canada has been involved in global, regional and local wars throughout its history, including the pre-European period. This course will introduce students to the military component of Canadian history, not only reviewing Canadian involvement in wars, but also examining the role of the military in Canadian society, both in terms of aid to the civil power and as an extension of foreign policy.

HIST2116

HISTORY GOES TO THE MOVIES

Credits: 3

Exclusions:

Unavailable to students with credit for HIST4700: Special Topics in History: History and Film

Cross-listed with COMM2116 This course explores the ways in which history is represented on film. What do films convey to us about the past and how do they convey it? To what extent is history on the "screen" different than history on the "page"? How do films about history shape our perceptions, shared memories, and national mythologies? These and other questions will be examined in detail. A wide range of film types - from mainstream drama to experimental documentary - from diverse national settings, including Canada, United States, France, Germany and China, will be used throughout the course

HIST2117

AMERICA: FREEDOM & EMPIRE

Credits: 3

This course explores the history of the United States through the theme of freedom. Examining how the definition, scope, and practice of freedom changed over time, the course examines how groups - divided by gender, class, and ethnicity - thought about, contested, and shaped popular understandings of freedom. Students will become familiar with debates about the nature of freedom - its dynamic relationship to citizenship and nationality, equality and democracy, territorial expansion and imperialism, slavery and free labour - and develop a broad understanding of key events and trajectories of American history.

HIST2118

THE FIRST WORLD WAR & THE SHAPING OF THE 20TH CENTURY

Credits: 3

Exclusions:

Unavailable to students with credit for HIST4122

This course will examine the origins, evolution, and impact of the First World War. Particular attention will be paid to the battlefield strategy and tactics, the evolution of military thinking, and the revolutionary technological innovations that made this the first modern war.

HIST2119

THE EARLY MIDDLE AGES: EMPIRES, WARLORDS & FAITH

Credits: 3

Exclusions:

HIST212; HIST2100

Note:

Description entered November 10, 2016

Explores the full scope of medieval civilization within Europe and its neighbours from the foundations and disintegration of the Western Roman Empire in the fifth century to the beginnings of a new synthesis in the eleventh century, incorporating the contributions of Islamic and Byzantine culture. The course covers high politics and religion as well as social structure, thought and belief, cultural achievements, military history and the varied roles of women in and minority groups.

HIST2120

REFORMERS, REVOLUTIONARIES, AND TYRANTS: EUROPE, 1789-1989

Credits: 6

Prerequisite:

Any six credits from HIST1101, 1103, and/or 1105 or permission of instructor.

Exclusions:

Unavailable to students with credit for HIST250.

From 1789 to 1989, the fall of the Bastille to the fall of the Berlin Wall, European society was transformed both by the development of technology, and also by dramatic political events, including the fall of the ancien regime in France and the fall of Communism in Eastern Europe. The course will focus on times of rapid and often violent change, and the role of the concept of 'nation' in the events of the time.

HIST2121

THE HIGH & LATER MIDDLE AGES: CRUSADERS, COMMERCE, CULTURE & COLLAPSE

Credits: 3

Exclusions:

HIST212; HIST2100

Note:

Course description added Nov 10, 2016

Explores the full scope of medieval civilization within Europe and its neighbours with the rebirth of urban life and commerce in the eleventh century, the birth of the idea of national states, the expansion of Christendom into the Middle East, and conflict with the Islamic world. This period of intense creativity and growth was followed by a disastrous period of famine, war, plague, religious conflict, and societal change that called into question many of the social and cultural foundations of medieval Europe, and helped shape the modern world.

HIST2123

STORIES WE TELL: HISTORY, MEMORY & MEANING

Credits: 3

Exclusions:

Credit may not be obtained for both HIST1105 and HIST2133 and COMM2123.

Note:

cross-listing for ANTH and FOLK added June 24, 2019

CROSS-LISTED COMM2123, FOLK2123 and ANTH2123 This course explores the ways in which the past is remembered, represented, and used in the present. It is open to students from any degree program. Important themes include: the nature of human memory, the political uses of history, and the research methods used by scholars. Students will learn how to conduct original, independent research. Classroom activities and assignments will stress debate and dialogue and explore the connections between scholarly disciplines and students of varying backgrounds and academic interests.

HIST2130

HISTORY OF EMPIRE

Credits: 6

Prerequisite:

Any six credits from HIST1101, 1103, and/or 1105 or permission of instructor.

Exclusions:

Unavailable to students with credit for HIST236

Note:

Course description change november 18, 2016

This course examines the long history of empire from the ancient world to the present. Particular focus will be placed upon the British Empire, which will be examined through a comparative framework of analysis.

HIST2133

THE HISTORY WORKSHOP

Credits: 3

Exclusions:

HIST4701 - Special Topics: History in Archives. Credit may not be obtained for both.

Note:

Added February 2, 2018 - BK

This course will introduce students to the basic practices of historical research using primary sources. Students will develop the skill sets necessary to work with different genres of sources in varied formats, and then supply these skills, becoming practicing historians. The course will make use of the Beaton Institute.

HIST2193

WOMEN IN EASTERN RELIGIOUS TRADITION

Credits: 3

Note:

CROSS-LISTING ADDED JUNE 21, 2019

CROSS-LISTED WITH RELS2193 AND GWST Feminist theology has developed recently as a critique and re-interpretation of traditional theology of women. This course examines this new theology and the new insights it generates in the Eastern religious tradition.

HIST2220

AMERICAN EXPERIENCE

Credits: 6

HIST2301

CIVILISATION QUÉBÉCOISE ET ACADIENNE

Credits: 3

Exclusions:

FRNC241

Cross-listed with FRNC2301 A study of the many facets of French-Canadian civilization from colonial times to the end of the nineteenth century. Students registered as HIST have the option to write their assignments in English or French.

HIST2303

LE CANADA FRANÇAIS DEPUIS 1914

Credits: 3

Exclusions:

FRNC242

Crosslisted with FRNC2303. A study of Francophone society in twentieth and twenty-first century Canada, with an emphasis on history, education, arts and literature. Students registered as HIST have the option to write their assignments in English or French.

HIST2704

SPECIAL TOPICS IN HISTORY

Credits: 3

HIST3101

MODERN IRELAND, 1603-1848

Credits: 3

Prerequisite:

Any six credits from HIST1101, 1103, and/or 1105 or permission of instructor.

Exclusions:

Unavailable to students with credit for HIST331 or CELT331.

Ireland from the Plantations to the Famine, including such themes as the Penal Laws, secret societies, rebellion and political movements.

HIST3102

FIELD SCHOOL IN HISTORICAL ARCHAEOLOGY

Credits: 6

Prerequisite:

12 credits in Anthropology and/or Sociology. With explicit permission of the Department Chair, a student lacking the prerequisite may be admitted on the basis of relevant practical experience and parallel formal training in other disciplines.

Exclusions:

Unavailable to students with credit for ANTH304, HERT340, or HIST340.

Cross-listed with ANTH3102 This course gives students field instruction in the techniques used in the excavation of an archaeological site. Hands-on instruction in manual excavation methods, mapping, field recording, and laboratory analysis will prepare students as qualified archaeological field technicians. First class held on campus; all others at local field site

HIST3103

MODERN IRELAND, 1848-2000

Credits: 3

Prerequisite:

Any six credits from HIST1101, 1103, and/or 1105 or permission of instructor.

Exclusions:

Unavailable to students with credit for HIST333 or CELT333

Themes include the rise of the IRB and the IRA, religion, cultural revival, rebellion, the establishment of the free state, the "troubles," and contemporary Ireland.

HIST3104

SOCIAL HISTORY OF MODERN CANADA I

Credits: 3

Prerequisite:

Any six credits from HIST1101, 1103, and/or 1105 or permission of instructor.

Exclusions:

Unavailable to students with credit for HIST309.

Themes will include poverty in the nineteenth century, First Nations' experiences, regionalism, working class culture, child workers, immigrants, women and reform movements

HIST3105

SOCIAL HISTORY OF MODERN CANADA II

Credits: 3

Prerequisite:

Any six credits from HIST1101, 1103, and/or 1105 or permission of instructor.

Exclusions:

Unavailable to students with credit for HIST311.

Topics will include social violence and control, the role of the state, the Great Depression, immigration, women in wartime, discrimination, and post-industrial trends

HIST3107

TUDOR ENGLAND

Credits: 3

Prerequisite:

Any six credits from HIST1101, 1103, and/or 1105 or permission of instructor.

Exclusions:

Unavailable to students with credit for HIST337.

England from 1485 to 1603. Establishing the dynasty, foreign policy, relations with Ireland and Scotland, reform of the church, Puritanism, overseas exploration, society, economy and government.

HIST3108

STUART ENGLAND

Credits: 3

Prerequisite:

Any six credits from HIST1101, 1103, and/or 1105 or permission of instructor.

Exclusions:

Unavailable to students with credit for HIST339.

England from 1603 to 1714. Political thought and conflict, constitutional experimentation, religious conflict, civil war, Glorious Revolution, rise of scientific thought and migration, particularly to New England.

HIST3109

SCOTLAND: 1500-1603

Credits: 3

Prerequisite:

Any six credits from HIST1101, 1103, and/or 1105 or permission of instructor.

Exclusions:

Unavailable to students with credit for HIST341.

Scotland's internal politics; relationships with France and England, with which it became dynastically linked in 1603; the Reformation; ideas about nation; political thought; economy; and society.

HIST3110

ABORIGINAL AND TREATY RIGHTS IN THE CANADIAN CONSTITUTION

Credits: 6

Prerequisite:

MIKM1100 or permission of the instructor.

Exclusions:

Unavailable to students with credit for HIST312, MIKM340 or POLS340.

Cross-listed with MIKM3120 and POLS3110 The study of Mi'kmaq Aboriginal and treaty rights in Atlantic Canada. The issue of enshrining Aboriginal and treaty rights in S.25 and S.35 of the Constitution Act (1982) will be emphasized.

HIST3111

SCOTLAND 1603-1707

Credits: 3

Prerequisite:

Any six credits from HIST1101, 1103, and/or 1105 or permission of instructor.

Exclusions:

Unavailable to students with credit for HIST343

Emphasis will be upon church and state. The relationship with England up to the union of parliaments, Scottish evangelical piety, the National Covenant, war with England, the later covenanters and the impact of the Glorious Revolution.

HIST3113

CAPE BRETON HISTORY. 1820-1910

Credits: 3

Prerequisite:

Any six credits from HIST1101, 1103, and/or 1105 or permission of instructor.

Exclusions:

Unavailable to students with credit for HIST305 or HERT305

The settlement of Cape Breton, cultural aspects of nineteenth century society, immigration/emigration and the transformation that accompanied industrialization.

HIST3114

CAPE BRETON HISTORY, 1910-2000

Credits: 3

Prerequisite:

Any six credits from HIST1101, 1103, and/or 1105 or permission of instructor.

Exclusions:

Unavailable to students with credit for HIST307 or HERT307.

The emergence of the working class culture, industrial conflict, politics, economic development/underdevelopment and images and realities in post-industrial Cape Breton.

HIST3115

VARIETIES OF HISTORY

Credits: 3

Prerequisite:

Any six credits from HIST1101, 1103, and/or 1105 or permission of instructor.

Exclusions:

Unavailable to students with credit for HIST318 and HIST3100.

This course will introduce students to the variety of historical writing from ancient Hebrew culture up to the contemporary era. Reading primary sources will be emphasized and students will receive advanced instruction about historical research.

HIST3116

RACIAL SEGREGATION IN CANADA & THE US

Credits: 3

Prerequisite:

Any six credits from HIST1101, 1103, and/or 1105 or permission of instructor.

Exclusions:

Unavailable to students with credit for HIST324, HIST3120 , MIKM375 and MIKM3320.

This course provides a comparative history of the black experience and the practice of racial segregation in Canada and the United States. It traces one of the central narratives of race in Canada and the United States from the institution of slavery under French and British rule during the seventeenth and eighteen-century to the abolitionist movement and the Underground Railroad in the nineteenth-century to the practice of racial segregation and the civil rights movement in the twentieth - century.

HIST3117

HISTORY & PHILOSOPHY OF SCIENCE

Credits: 3

Prerequisite:

Any six credits in History from HIST1101, 1103, and/or 1105 or permission of instructor.

Note:

course description added November 25, 2016. PHIL3114 was requested to be turned off by Andrew Reynolds....no longer cross-listed with PHIL.

Cross-listed with PHIL3114 This course will provide students with a better understanding of the nature of the scientific process by discussing such topics as explanation, the nature of scientific theory, observation, progress in science and scientific realism. It will also examine recent feminist and social constructivist critiques of science. This course can fulfill either the North American or European/world requirement for HIST majors.

HIST3118

PUBLIC HISTORY IN THE MEDIA

Credits: 3

Cross-listed with COMM3104 This course examines historical representation in the media to illuminate the ways in which "the medium shapes the message" when history is presented through various media forms such as film, television, photography, and computer technology. Students gain enhanced understanding of media's power to shape the construction of memory, identities, and history; an of audiences' corresponding power to actively shape the meanings of representation through their engagement with media imagery.

HIST3119

MEMORY & HISTORY IN THE PUBLIC SPHERE

Credits: 3

Prerequisite:

6 credits in communication or history

Exclusions:

COMM3112

Cross-listed with COMM3105 This course examines history as it is created and presented in the public arena, illuminating the ways in which historical representation shapes collective memory and cultural identities. Central topics include authenticity, nostalgia, identification, and historical significance. Course readings explore the politics of commemoration, the invention of tradition, the commodification of the past through tourism, and the importance of collaboration and community involvement in the production of public history.

HIST3120

RACE RELATIONS IN NORTH AMERICA

Credits: 6

Prerequisite:

Any six credits from HIST1101, 1103, and/or 1105 or permission of instructor..

Exclusions:

Unavailable to students with credit for HIST324 or MIKM375.

A history of the cultural interaction between whites, native Americans, and blacks in North America from the period of exploration and first contact to the present. Seminar.

HIST3122

THE MODERN SCOTTISH HIGHLANDS

Credits: 6

Prerequisite:

Any six credits from HIST1101, 1103, and/or 1105 or permission of instructor.

Exclusions:

Unavailable to students with credit for HIST334 or CELT334.

The Celtic Society of the Scottish Highlands from the battle of Culloden to the present. Special emphasis on Cape Breton's Highland heritage.

HIST3125

L'NU TREATY RIGHTS

Credits: 3

HIST3130

THE VIKING WORLD

Credits: 6

Prerequisite:

Any six credits from HIST1101, 1103, and/or 1105 or permission of instructor.

Exclusions:

Unavailable to students with credit for HIST346 or CELT368

Explores the origins of the Vikings; their expansion and settlement in Europe, Britain, Russia, and the North Atlantic; and their impact. Considers political and social organization as well as technology and religion (including conversion to Christianity) from A.D. 700 to about 1266. Also examines current debates about the nature of Vikings and Viking expansion.

HIST3131

ATL WORLD DURING THE AGE OF SAIL: SAILORS, SLAVES, PIRATES AND REVOLUTIONARIES

Credits: 3

Prerequisite:

Any six credits from HIST1101, 1103, and/or 1105 or permission of instructor.

Exclusions:

Unavailable to students with credit for HIST320 or HIST3132

By the late 19th century, European explorers had drawn four continents, and the millions of people who lived there, into a zone of interaction centred on the Atlantic Ocean. This course examines the formation and development of this "Atlantic world" through the experiences of sailors, slaves, pirates, and revolutionaries. Particular emphasis will be placed on the Anglo-American context.

HIST3133

SLAVERY & FREEDOM IN THE AMERICAS

Credits: 3

Prerequisite:

6 credits in History

Exclusions:

Unavailable to students with credit for HIST320 or HIST3132

Note:

Added Cross-listing Nov 27, 2017 BK

Cross-listed with GWST3133 This course examines slavery in the Americas -from the origins of European colonization of the "New World" in the late 15th century to the abolition of slavery by the British Parliament nearly 350 years later. Particular attention will be paid to the gendered nature of slave life and ways in which slaves resisted their exploitation. The course concludes with a consideration of the global campaign to abolish slavery and representations of slavery in popular culture.

HIST3140

PEOPLING OF CANADA & NORTH AMERICA

Credits: 6

Prerequisite:

Any six credits from HIST1101, 1103, and/or 1105 or permission of instructor.

Exclusions:

Unavailable to students with credit for HIST322.

This course presents an expanded vision of the history of Canada and North America. It traces the adaptations and interactions of cultures from the arrival of First Peoples over 12,000 years ago through the period of large-scale immigration during the modern industrial age.

HIST3142

MODERN BRITAIN

Credits: 6

Prerequisite:

Any six credits from HIST1101, 1103, and/or 1105 or permission of instructor.

Exclusions:

Unavailable to students with credit for HIST330.

The history of Great Britain since the late eighteenth century, from leading industrial power to subsequent decline as a world power in this century.

HIST3150

SOCIAL HISTORY OF LOUISBOURG

Credits: 6

Prerequisite:

Any six credits from HIST1101, 1103, and/or 1105 or permission of instructor.

Exclusions:

Unavailable to students with credit for HIST310 or HERT310

The social and cultural history of Cape Breton during the French regime. Seminar, includes a number of field trips.

HIST3201

RELIGIOUS PERSECUTION TO RELIGIOUS LIBERTY I (TO 1600)

Credits: 3

Prerequisite:

Any six credits from HIST1101, 1103, and/or 1105 or permission of instructor.

Exclusions:

Unavailable to students with credit for HIST353, PHIL353, or RELS353

Cross-listed with PHIL3201 and RELS3153 This course examines ideas about religious intolerance, toleration and liberty from antiquity to the sixteenth century. Students will read and discuss important texts. Historical, theological and philosophical perspectives will be introduced.

HIST3203

RELIGIOUS PERSECUTION TO RELIGIOUS LIBERTY II (FROM 1600)

Credits: 3

Prerequisite:

HIST3201

Exclusions:

Unavailable to students with credit for HIST355, PHIL355 or RELS355

Cross-listed with PHIL3203 and RELS3155 A continuation of HIST3201. The seventeenth century worked out ideas presented during the Reformation, while the enlightenment launched an all-out assault on bastions of intolerance. Modern approaches, theological and philosophical, along with contemporary declarations, e.g. United Nations and Vatican II, will

also be read.

HIST3704

SPECIAL TOPICS IN HISTORY

Credits: 3

HIST4100

20TH CENTURY CANADIAN POLITICS

Credits: 6

Prerequisite:

12 credits at the 2000 or 3000 level.

Exclusions:

Unavailable to students with credit for HIST400

Throughout the twentieth century, two political parties - the Liberals and the Conservatives - dominated Canadian political life. At the federal level, for example, the Liberal party under Mackenzie King, Louis St. Laurent, Lester Pearson, Pierre Trudeau and Jean Chretien, was in power for the better part of the century. Periodically, however, these mainstream political parties, with their faith in liberalism, capitalism and parliamentary democracy, were challenged by other parties and movements that proposed different, sometimes radically different, visions of the ways in which Canadian society ought to be organized. This course is about those political challenges: why they emerged, what they stood for and how the political mainstream responded.

HIST4102

MODERN AMERICAN CULTURE

Credits: 6

Prerequisite:

12 credits at the 2000 or 3000 level.

Exclusions:

Unavailable to students with credit for HIST422

A study of the dynamic interaction of race, ethnicity, gender, and class in the urban, suburban, and regional contexts of American culture in the twentieth and twenty-first centuries. Seminar.

HIST4110

WITCH-HUNTING & POPULAR CULTURE IN LATE MEDIEVAL & EARLY MODERN SCOTLAND

Credits: 6

Prerequisite:

12 credits at the 2000 or 3000 level.

Exclusions:

Unavailable to students with credit for HIST430.

This course will examine the development and evolution of witch-hunting in Scotland from the sixteenth to the eighteenth centuries. Particular attention will be paid to the use of the phenomenon as a resource for the study of popular cultures, conceptions and constructions of gender and the political and religious turmoil of the period.

HIST4112

THE DAYS OF SAIL IN ATLANTIC CANADA, 1800-1930

Credits: 6

Prerequisite:

12 credits at the 2000 or 3000 level.

Exclusions:

Unavailable to students with credit for HIST412.

The four Atlantic provinces are intimately bound to the Western ocean. It defined countless coastal communities. By the 1870's the Maritimes had the fourth largest merchant marine in the world. Sailors, master mariners and shipbuilders from these communities acquired a global reputation during this period. This course will examine the social, cultural and economic aspects of the rise and fall of sail in Atlantic Canada.

HIST4120

WOMEN'S HISTORY: THE BRITISH NORTH AMERICAN EXPERIENCE 1850-1950

Credits: 6

Prerequisite:

12 credits at the 2000 or 3000 level.

Exclusions:

Unavailable to students with credit for HIST462.

Studies the evolution of women's roles in Britain and Canada during the nineteenth century and the early years of the twentieth century. Takes a chronological approach to the study of social, political, and economic obstacles which women had to overcome to attain equality in

British and Canadian society, including Cape Breton society.

HIST4122

THE GREAT WAR & WESTERN CIVILIZATION

Credits: 6

Prerequisite:

12 credits at the 2000 or 3000 level.

Exclusions:

Unavailable to students with credit for HIST452

A seminar examining the enormous impact of WWI on Western civilization, from its background and causes, through its major events and results, to the outbreak of WWII in 1939.

HIST4140

INTRODUCTION TO OLD ENGLISH

Credits: 6

Cross-listed with ENGL4140 A comprehensive study of the language and literature of the Old English period. The literature is read in Old English.

HIST4751

SPECIAL TOPICS: SASS: INTERDISCIPLINARY SEMINAR

Credits: 3

HIST4753

SPECIAL TOPICS: SASS: INTERDISCIPLINARY SEMINAR

Credits: 3

HIST4754

SPECIAL TOPICS: SASS: INTERDISCIPLINARY SEMINAR

Credits: 3

HIST4800

DIRECTED STUDY IN HISTORY

Credits: 6

This option is available to all History majors. Students will work under the close supervision of one faculty member and they will complete a course of readings together with at least one major research essay. They may also be required to complete shorter written assignments and or exams.

HIST4900

HONOURS THESIS IN HISTORY

Credits: 6

This option is available to History majors who have a minimum average of 75% in History and it is specifically designed for those students who are planning to continue their study of History on the graduate level. Students will work under the supervision of at least one faculty member in History and they will complete a thesis during the second term. At the discretion of their advisor(s), students may also be required to complete other shorter assignments.

HUMA1101

INTRODUCTION TO CULTURE & CIVILIZATION

Credits: 3

Exclusions:

Unavailable to students with credit for HUMA101 or HIST100/1100.

Explores, in an interdisciplinary, historical and thematic fashion, the development of human culture and civilization in Europe and the Middle East, from pre-historical through ancient Greek and Roman periods.

HUMA1104

INTRODUCTION TO WORLD RELIGIONS - EASTERN TRADITIONS

Credits: 3

Exclusions:

Unavailable to students with credit for HUMA115, HIST115, RELS115, or RELS 110.

Cross-listed with HIST1115 and RELS1115 The history, practice, and meaning of the Hindu and Buddhist traditions will be examined along with Jainism and Sikhism. Their contribution to our understanding of religion as a whole and present day role of these traditions in world events will be discussed.

HUMA1105

INTRODUCTION TO WORLD RELIGIONS - WESTERN TRADITIONS

Credits: 3

Exclusions:

Unavailable to students with credit for HUMA117, HIST117, RELS117, or RELS 110.

Cross-listed with HIST1117 and RELS1117 Judaism, Christianity, and Islam are three great world religions that have influenced present day Western society. This course will examine the origins, major historical developments, cultural influence and teachings of these world religions. There will also be an emphasis on the role these religions play in current world events and politics.

HUMA1106

CULTURE & CIVILIZATION IN WESTERN SOCIETY

Credits: 3

Prerequisite:

HUMA1101.

Exclusions:

Unavailable to students with credit for HUMA103 or HIST 100/1100.

Continues 1101 to include a study of the main themes of Western culture from the Middle Ages to the present.

HUMA1107

WOMEN IN CIVILIZATION

Credits: 3

Exclusions:

Unavailable to students with credit for HUMA111.

An introduction to some of the social, economic, and cultural issues which confronted women, from the Middle Ages through to the Industrial Revolution.

HUMA3401

TRADITION AND CULTURE

Credits: 3

Exclusions:

Unavailable to students with credit for FOLK107, HERT107, or HUMA107

Cross-listed with FOLK3401. Following an interdisciplinary study of selected themes in western culture, the student is introduced to a range of significant texts from the disciplinary areas of Folklore and related subjects

INDG1161

INTRODUCTION TO INDIGENOUS STUDIES

Credits: 3

ITEC1501

COMPUTER PROGRAMMING I

Credits: 3

Exclusions:

Unavailable to students with credit for ITEC110. Note: Completion of MATH1116 satisfies the requirement of ITEC1501 for the BTI degree.

A study of current programming languages and techniques and their use in practical applications. Emphasis will be placed on the development of a high degree of proficiency in programming. This course stresses basic programming concepts including data types, conditional and looping mechanisms, functions, arrays, structures, pointers, bit handling, and file I/O. The rudiments of programming are introduced, particularly class construction.

ITEC1503

OPERATING SYSTEMS I

Credits: 3

Exclusions:

Unavailable to students with credit for ITEC112.

This course follows a systematic approach to operating systems explaining why they are needed and what they do. Topics include the basic system resources of hardware, software and data, single-user and multi-user operating systems, job control languages and the use

and maintenance of file systems.

ITEC1504

INFORMATION SYSTEMS

Credits: 3

Exclusions:

Unavailable to students with credit for ITEC114.

Introduces computers and the role they play in business, industry and society. Topics include basic components of computer systems and how these function in an information processing environment. Hands-on labs cover operating systems, word processing, windows applications and problem-solving techniques

ITEC1505

PC HARDWARE FUNDAMENTALS

Credits: 3

Prerequisite:

ITEC1503 and ITEC1504.

Exclusions:

Unavailable to students with credit for ITEC120.

This course prepares students to pass the hardware component of Computer Technology Industry Association's (CompTIA) vendor-neutral A+ certification exam. Topics include an overview on how computers integrate hardware and software components, the system board, managing memory, hard drives, troubleshooting fundamentals, supporting I/O devices, multimedia technology, electricity and power supplies

ITEC1506

INTRODUCTION TO NETWORK MANAGEMENT

Credits: 3

Prerequisite:

ITEC1503 and ITEC1504 or permission of instructor

Exclusions:

Unavailable to students with credit for ITEC122.

This course, along with ITEC2504 (Advanced Network Management), introduces networking technologies and prepares students to pass the Computer Technology Industry Association's

(CompTIA) vendor-neutral Network+ certification exam. Topics covered include networking standards, the OSI model, network protocols, networking media and presentations as appropriate.

ITEC1507

INTERNET FUNDAMENTALS

Credits: 3

Prerequisite:

ITEC1504.

Exclusions:

Unavailable to students with credit for ITEC124.

Introduces the fundamentals of Internet concepts, principles, and services. Topics covered include FTP, Telnet, efficient Web searching, Internet infrastructure, HTML and introductory web design.

ITEC1989

BTI WORK PLACEMENT I

Credits: 3

ITEC2501

SYSTEMS ANALYSIS & DESIGN

Credits: 3

Prerequisite:

ITEC1504.

Exclusions:

Unavailable to students with credit for ITEC210.

The analysis and design of commercial information processing systems. Classical documentation tools and techniques are utilized for information gathering and system development.

ITEC2503

ADVANCED PROGRAMMING

Credits: 3

Prerequisite:

ITEC1501.

Exclusions:

Unavailable to students with credit for ITEC220

A study of current, fourth-generation programming languages and their techniques and use in practical applications. Emphasis will be placed on the development of a high degree of proficiency using advanced programming tools.

ITEC2504

ADVANCED NETWORK MANAGEMENT

Credits: 3

Prerequisite:

ITEC1506 or permission of instructor.

Exclusions:

Unavailable to students with credit for ITEC222.

The goal of this course, along with ITEC1506 (Introduction to Network Management), is to provide an introduction to networking technologies and to prepare students to pass the Computer Technology Industry Association's (CompTIA) vendor-neutral Network+ certification exam. Topics covered include networking hardware, WANs, NOS, NetWare, Windows NT, TCP/IP, and troubleshooting, maintaining, and upgrading a network. Emphasis is on lectures, complemented with labs and student presentations as appropriate.

ITEC2505

DATABASE DEVELOPMENT

Credits: 3

Prerequisite:

ITEC1501 and ITEC1504.

Exclusions:

Unavailable to students with credit for ITEC224.

An understanding of the general concepts of database management systems. Topics include an in-depth discussion of data modeling and relational database theory. Labs involve practical experience in designing and building a database.

ITEC2506

APPLIED ASSISTIVE TECHNOLOGY

Credits: 3

Prerequisite:

ITEC1504, MGSC2101 or instructor approval.

Exclusions:

Unavailable to students with credit for ITEC226.

This course focuses on the use of computer-based assistive technology resources, emphasizing the practical application of AT in classroom, workplace, and home environments. Hands-on lab activities, case analysis and Web-based instructional support, demonstrate how AT can act as an equalizer. The target audience for this course includes teachers, employers, users of AT and their families, and individuals involved with the support of persons with disabilities. In addition to new learning, course assignments will allow students to demonstrate previous experience and knowledge of assistive technology.

ITEC2507

COMPUTER PROGRAMMING II

Credits: 3

Prerequisite:

ITEC1503

Exclusions:

Exclusions ITEC2503; ITEC220

Note:

Course added November 10, 2016

An intermediate level course in current, fourth generation programming languages. It covers programming concepts classes and methods, control structures, arrays, and strings, and their use in practical applications. Emphasis will be placed on the development of a high degree of proficiency using advanced programming to access and manipulate databases.

ITEC2989

BTI WORK PLACEMENT II

Credits: 3

ITEC3503

VISUAL BASIC

Credits: 3

Prerequisite:

ITEC1501 and ITEC1504.

Exclusions:

Unavailable to students with credit for ITEC310.

This course introduces programming in Visual Basic, the popular Windows application development environment. Students will learn how to create object-oriented graphical user interfaces by using object linking and embedding, dynamic data interchange, and visual basic forms, events, properties and controls.

ITEC3504

SYSTEM SECURITY & CONTROL

Credits: 3

Prerequisite:

ITEC1504, ITEC1507, ITEC2501, and ITEC2505.

Exclusions:

Unavailable to students with credit for ITEC316.

This course provides a systematic approach to computer and information security. It covers methods for auditing computer systems, cost and effectiveness of systems control measures, and fundamentals of implementing a system security program. The development of a Threat and Risk Assessment (TRA) and the review of control objectives for systems are key aspects.

ITEC3505

MID-RANGE OPERATING SYSTEMS

Credits: 3

Prerequisite:

ITEC1503 and ITEC1504 or permission of instructor

Exclusions:

Unavailable to students with credit for ITEC318.

This course will provide hands-on experience with mid-range operating systems. The core of a mid-range operating system, utilities, multi-user log-on management, system configuration, and file systems will be covered in depth.

ITEC3506

IT PROJECT MANAGEMENT

Credits: 3

Prerequisite:

ITEC2501.

Exclusions:

Unavailable to students with credit for ITEC320.

Learners will investigate project management and its significance in the success of information technology projects. Topics covered include project selection methods, work breakdown structures, network diagrams, critical path analysis, cost estimates, earned value analysis, motivation theory, team building, and CASE tools. Project management tools will be used to plan and manage an information systems project in a team setting.

ITEC3507

OBJECT ORIENTED PROGRAMMING

Credits: 3

Exclusions:

Unavailable to students with credit for ITEC322 or ITEC421.

Introduces the JAVA programming language. Topics include GUI interface development, object oriented programming concepts, database access, platform independence, web integration, and stand alone applications.

ITEC3508

WINDOWS SERVER TECHNOLOGIES

Credits: 3

Prerequisite:

ITEC1503 and ITEC114, or approval of the Department Chair.

Exclusions:

Unavailable to students with credit for ITEC324.

This course provides a comprehensive investigation of the Windows network operating system (currently Windows 2000). Topics covered include installation, configuration, managing accounts, client connectivity, managing groups, managing printers, remote access, virtual private networks, optimization, and troubleshooting.

ITEC3509

TECHNICAL WRITING

Credits: 3

Exclusions:

Unavailable to students with credit for ITEC326.

This course deals with technical documentation concepts specific to the information technology sector. Topics covered include systems and end user documentation, help and readme files, writing for the Web, screen design considerations, indexing, and markup language concepts. Students will critique government and industry documentation standards, investigate the use of current multimedia technologies for IT documentation purposes and develop a career portfolio.

ITEC3511

BUSINESS STRATEGIES IN IT

Credits: 3

Prerequisite:

ITEC1504 or approval of the Department Chair.

Exclusions:

Unavailable to students with credit for ITEC328.

This course addresses the use of information technology (IT) to improve business strategies and performance, including IT as an enabler of organizational change, the management of business knowledge, applications systems architecture, and business processes. Case studies and projects reinforce this desired business-technology alignment theme.

ITEC3512

COMPUTER PROGRAMMING III

Credits: 3

Prerequisite:

ITEC1503, ITEC2507

Exclusions:

ITEC3503, ITEC322

Note:

Course description added November 10, 2016

This course introduces the student to object-oriented programming through the concepts of program specification and design, algorithm development, and coding and testing using a modern software development environment. Topics include fundamentals of algorithms, flowcharts, problem solving, and window application designs. Throughout the semester, problem solving skills will be stressed and applied to solving computing problems.

ITEC3513

OPERATING SYSTEMS II

Credits: 3

Prerequisite:

ITEC1503, ITEC1504

Exclusions:

ITEC3505, ITEC318

Note:

Course description added November 10, 2016

This course covers operating system management, installing and configuring operation systems, managing file systems, securing operating system and users, and using "Bourn shell" commands to control the operating system. The course also introduces virtual systems and their employment in operating system applications.

ITEC4004

UNSPECIFIED INFORMATION TECHNOLOGY

Credits: 3

ITEC4501

INTERMEDIATE TECHNICAL WRITING

Credits: 3

Exclusions:

Unavailable to students with credit for ITEC 337, ITEC411, BUSS262 or ENGL207.

Cross-listed with ENGL1113 This course focuses on intermediate technical writing skills (reports, proposals, instructions).

ITEC4503

INTERNET ADMINISTRATION

Credits: 3

Prerequisite:

IETC1505, ITEC1507 and ITEC2504 or approval of the Department Chair.

Exclusions:

Unavailable to students with credit for ITEC412.

This course surveys the key technologies that make the Internet work. Topics covered include programming on the Internet, databases and web hosting, Internet security, FTP server, Internet clients, HTML, and authoring tools. This course prepares students to take the Computer Technology and Industry Association's (CompTIA) vendor-neutral i-Net+ certification.

ITEC4504

ADVANCED TCP/IP

Credits: 3

Prerequisite:

ITEC1507, ITEC2504, and ITEC3508 or approval of the Department Chair.

Exclusions:

Unavailable to students with credit for ITEC414.

This course provides a comprehensive look at TCP/IP as used on the current Windows NOS platform. Topics covered include IP addressing, data link and network layer protocols, ICMP, DNS, DHCP, IPv6, securing TCP/IP and SMTP.

ITEC4505

E-COMMERCE TECHNOLOGIES

Credits: 3

Prerequisite:

ITEC2503 and ITEC3503 or approval of the instructor

Exclusions:

Unavailable to students with credit for ITEC416 or ITEC444.

This course provides the learner with an overview of the state of e-commerce today. It defines electronic commerce and discusses electronic commerce elements. Also addressed are issues and technologies available for companies wishing to engage in e-commerce. Student will be required to build a basic e-commerce system.

ITEC4506

DATA WAREHOUSING

Credits: 3

Exclusions:

Unavailable to students with credit for ITEC418 or ITEC442.

Course focuses on the design and development of data warehouses and on-line transaction processing (OLTP, EIS, DSS) using a combination of relational and object oriented databases.

ITEC4507

SOFTWARE ENGINEERING TOOLS

Credits: 3

Prerequisite:

ITEC2503 and ITEC2501 or approval of Department Chair.

Exclusions:

Unavailable to students with credit for ITEC422.

This course will deal with various systematic approaches to the development and support of software. Topics covered include cleanroom software engineering, component-based software engineering, client-server, Web-engineering, CASE and object-oriented software engineering.

ITEC4508

WAN TECHNOLOGIES (INTERNETWORKING)

Credits: 3

Exclusions:

Unavailable to students with credit for ITEC424 or ITEC396.

This course deals with the interconnectivity and data sharing issues associated with a heterogeneous (multi-platform, multi-vendor) network environment.

ITEC4509

CURRENT ISSUES IN IT - CASE ANALYSIS

Credits: 3

Prerequisite:

Completion of ITEC diploma or advanced standing in BTI or approval of Department Chair.

Exclusions:

Unavailable to students with credit for ITEC425 or ITEC312.

This course examines the social, legal and ethical issues involved with the use of computer technologies. Topics covered include privacy of information, wiretapping, data encryption, computer crime, intellectual property and professional ethics. This course emphasizes class discussions, case studies, guest lectures and student research presentations.

ITEC4511

SYSTEMS IMPLEMENTATION PROJECT

Credits: 3

Prerequisite:

ITEC3506 and at least one advanced level programming course with ITEC3509 as either a prerequisite or co-requisite or approval of Department Chair.

Exclusions:

Unavailable to students with credit for ITEC426 or ITEC437.

Working as team members on an IT related project, students apply skills acquired in previous IT courses. The instructor adopts the role of IT manager as the student project groups assume responsibility for all aspects of project completion. Project teams are expected to work outside scheduled classroom hours to ensure that client project requirements are met.

ITEC4513

SERVER TECHNOLOGIES

Credits: 3

Prerequisite:

ITEC1505 and ITEC4507, or approval of the Department Chair.

Exclusions:

Unavailable to students with credit for ITEC427.

This advanced hardware course provides coverage of the key features and technologies involved with PC server administration and the hardware components of high-end PC servers. Topics covered include server planning, server power and rack installation, hard disk

interfaces and RAID, server upgrades, disaster planning, performance monitoring, and troubleshooting. This course prepares students to take the Computer Technology and Industry Association's (CompTIA) vendor-neutral Server+ certification.

ITEC4514

TECHNICAL ENTREPRENEURSHIP

Credits: 3

Exclusions:

Unavailable to students with credit for ITEC428 or ITEC311.

Course focuses on the nature of entrepreneurship in the context of specialized technology firms.

ITEC4515

INFORMATION TECHNOLOGY DOCUMENTATION

Credits: 3

Exclusions:

Unavailable to students with credit for ITEC415.

This course deals with technical documentation concepts specific to the information technology sector. Topics covered include systems and end user documentation, help and readme files, writing for the Web, screen design considerations, indexing and markup language concepts. Students will investigate the use of current multimedia technologies for IT documentation purposes, develop a career portfolio and produce a group preliminary project design report.

LEGL2501

BUSINESS LAW I

Credits: 3

Exclusions:

Unavailable to students with credit for BUSS251.

Business Law I introduces the student to the justice system, tort law and contract law. The course content includes an introductory study of specific areas of contract law including agency, property, employment, marketing, business organizations and financing.

LEGL2503

BUSINESS LAW II

Credits: 3

Exclusions:

Unavailable to students with credit for BUSS252.

Business Law II involves a more extensive study of specific legal issues relating to patents, copyrights, trademarks, industrial designs, confidential information, computer security, privacy, access to information, PIPEDA requirements, competition and lobbying.

LEGL3501

LEGAL RESEARCH

Credits: 3

Exclusions:

Unavailable to students with credit for LEGL351

This course will develop the skills required for performing legal research. The course includes instruction in finding appropriate legislation, determining its effect on a given situation in light of the Constitution Act and the Charter of Rights and Freedoms. The course builds an understanding of the court hierarchy and the theory of precedent by application of the relevant court decisions on factual situations. Evaluation includes examination and exercises that increase in difficulty requiring the student to develop researching skills. The course requires students to become familiar with computer-assisted research.

LEGL3503

ADMINISTRATIVE LAW

Credits: 3

Prerequisite:

LEGL3501 and LEGL2501, or permission of instructor.

Exclusions:

Unavailable to students with credit for LEGL353.

To acquaint the student with the administrative tribunal process involved in approval/licensing/arbitration issues involved in business operations. Evaluation may consist of examinations, report papers, and mock hearings.

LEGL3504

EMPLOYMENT/LABOUR LAW

Credits: 3

Exclusions:

Unavailable to students with credit for LEGL397.

The course acquaints the student with the law that affects the relationship between employees and employers in unionized and non-unionized workplaces. The course content includes a review of the legal issues associated with the hiring process, issues during the course of employment and issues at the termination of the employment relationship.

LEGL3505

CRIMINAL LAW

Credits: 3

Exclusions:

Unavailable to students with credit for LEGL352.

To acquaint the student with the criminal law and quasi-criminal law system in Canada, with a special emphasis on crime and business. The course content will include areas such as money laundering, insider trading, criminal negligence, and managers' and directors' liabilities. Evaluation is by examination and report papers.

LEGL4501

HEALTH LAW

Credits: 3

Prerequisite:

Unavailable to students with credit for LEGL471.

The study of the civil and criminal liability associated with offering health care services. The concentration is on the legislation and common law affecting health care. The course is presented in a seminar format. Some of the areas covered include consent, medical negligence, evidential issues, nursing liability, and confidentiality. Evaluation is by examination and report papers.

LEGL4503

SPORTS/RECREATION LAW

Credits: 3

Exclusions:

Unavailable to students with credit for LEGL481.

A review of the case law and legislation affecting recreational sporting activities. The course includes an overview of the issues of liability. The course is presented in seminar format.

Evaluation is by examination and report papers.

LEGL5501

BUSINESS LAW & COMMERCIAL CONTRACTS

Credits: 3

Note:

Entered: September 21, 2018 SML

Business Law introduces the student to the justice system, tort law and contract law. The course content includes an introductory study of specific areas of contract law including agency, property, employment, marketing, business organizations and financing.

MANF3131

TOTAL QUALITY MANAGEMENT

Credits: 3

Exclusions:

Unavailable to students with credit for MANF411.

The course will prepare the student for working in competitive manufacturing/economic environments in which the operation and final product must consistently meet the needs and expectations of customers. Topics include rationale for total quality concepts, leadership, management teams, employee involvement/empowerment, team building, influence of Juran and Deming and the process for continuous improvement. The role of ISO 9000 in TQM, including scope of standards, benefits of implementation, documentation of ISO audits, and procedures for implementing ISO certification, is covered in detail.

MANF3133

STATISTICAL PROCESS CONTROL

Credits: 3

Exclusions:

Unavailable to students with credit for MANF413.

The course will examine the statistical methods used to identify, analyze and control the variations found in any manufacturing process. Key topics include identification of process variations, charting, histograms and analytical methods of analyzing control charts. Several case studies utilizing in-depth applications of SPC in an industrial/manufacturing environment will be examined.

MANF3134

PROCESSES & STANDARDS

Credits: 3

Exclusions:

Unavailable to students with credit for MANF415.

This course will introduce the student to the most important technical principles of manufacturing processes including casting, forging, rolling, drawing, extrusion, forming, joining and finishing processes. Includes application of codes and national and international standards.

MANF3135

PRODUCTION COST CONTROL

Credits: 3

Exclusions:

Unavailable to students with credit for MANF417

Production cost control in an ever-increasing technological environment has become the leading determinant of organizational viability. This course will look at costing for manufacturing environments, including break even analysis, forecasting, job scheduling, labour costs, work measurement, material and inventory cost, MRP, and SAP inventory control. The decisions affecting the manufacturing process can be based upon the complete integration of engineering input, raw materials, processing costs and inventory

MANF3136

COMPETITIVE MANUFACTURING STUDIES

Credits: 3

Exclusions:

Unavailable to students with credit for MANF419

This course covers many areas of manufacturing, with a view to increasing awareness of improved production for less cost, at a higher quality thereby becoming more competitive. Discussion on philosophies and manufacturing strategies, Japanese production methods, factory layout techniques and tools for competitive study. It is assumed that the student has a working knowledge of manufacturing production terms and methods (MANF 417 Production Cost Control).

MANF3137

PEOPLE IN MANUFACTURING

Credits: 3

Exclusions:

Unavailable to students with credit for MANF421.

This course focuses on people involved in manufacturing processes with an emphasis on team work, ergonomics, programs, and total quality initiatives. Case studies and investigation into company practices form the majority of course work.

MANF3138

PRODUCT SYNTHESIS

Credits: 3

Exclusions:

Unavailable to students with credit for MANF423.

Covers the process whereby an idea or design is converted into a successful new product. Production methodology, design for manufacture, process planning, prototyping, and tooling implementation are discussed. How ideas are marketed, implemented, and exploited are discussed

MATH0101

PRECALCULUS REVIEW

Credits: 0.06

A thorough review of topics from algebra, functions, geometry (plane, analytic, and coordinate), and trigonometry essential for the study of calculus. MATH0101 is a sufficient prerequisite for MATH1101 or MATH1105.

MATH1101

CALCULUS WITH ELEMENTARY FUNCTIONS & ANALYTIC GEOMETRY I

Credits: 3

Prerequisite:

One of: (1) MATH0100 (Bridge Program); (2) MATH0101; (3) MATH1107; (4) Grade 12 Academic Precalculus Mathematics. In the case of (4), the student must also have written the Calculus Readiness Test and achieved a satisfactory standard (currently 12 out of 31).

Exclusions:

Unavailable to students with credit for MATH111. Credit cannot be obtained for both MATH1101 and MATH1105; no more than 3 credits from MATH1101, MATH1203, and MATH1105 in a BSc in Mathematics.

Note:

MATH1101 is allowed credit as a free elective in any discipline where it can be used for credit.

Properties of straight lines and conic sections, polynomial and rational functions, and derivatives of algebraic functions with applications.

MATH1101L

CALCULUS WITH ELEMENTARY FUNCTIONS & ANALYTIC GEOMETRY I LAB

Credits: 0

MATH1105

DIFFERENTIAL & INTEGRAL CALCULUS I

Credits: 3

Prerequisite:

One of: (1) MATH0100 (Bridge Program); (2) MATH0101; (3) MATH1107 and MATH1208; (4) MATH1101; (5) Grade 12 Pre-calculus Mathematics. In the case of (5), the student must also have written the Calculus Readiness Test and achieved a satisfactory standard (currently 19 out of 31).

Exclusions:

Unavailable to students with credit for MATH121. Credit cannot be obtained for both MATH1203 and MATH1105.

Limits and continuity, differentiation of algebraic, trigonometric, logarithmic and exponential functions, applications, and Fundamental Theorem of Calculus

MATH1105L

DIFFERENTIAL & INTEGRAL CALCULUS I LAB

Credits: 0

MATH1107

MATHEMATICS I

Credits: 3

Prerequisite:

Grade 12 Academic Mathematics.

Exclusions:

Unavailable to students with credit for MATH131.

Note:

Caution: Credit for MATH1107, MATH1208, MATH2104 and MATH2205 in degree programs is limited to those BET programs where they are explicitly listed and to satisfying the Group 5 requirement within the core of the BA, and as specified under CBU's "Internal Transfer Credits".

Fundamental concepts and operations of mathematics including functions and graphs, quadratic equations, trigonometric functions and solutions to triangles and systems of equations

MATH1107L

MATHEMATICS I LAB

Credits: 0

MATH1109

INTRODUCTORY STATISTICS I

Credits: 3

Exclusions:

Unavailable to students with credit for MATH135. Credit for MATH1109 or MATH135 rules out credit for MGSC1108 or BUSS182. Credit cannot be obtained for both MATH1109 or MATH135 and MATH 2106 or MATH243.

Descriptive statistics, elementary probability, binomial and normal distributions, sampling distributions, estimation and hypothesis testing, regression, and correlation.

MATH1109L

INTRODUCTORY STATISTICS I LAB

Credits: 0

MATH1114

EXPERIENCES IN MATHEMATICS II: MATHEMATICS OF PERSONAL FINANCE

Credits: 3

Prerequisite:

Grade 11 Academic Mathematics

Exclusions:

Unavailable to students with credit for MATH152. Free elective only in the BSc. Not recommended for students with Grade 12 Pre-calculus or Advanced Mathematics. MATH1114 and MATH1215 are independent and can be taken in either order. Arts students with Grade 12 Pre-calculus or Advanced Mathematics should consult with advisors in Mathematics to select suitable alternatives to MATH1114 and MATH1215.

Topics in simple and compound interest for management of personal and family finances. Lab exercises on spreadsheet software. Course includes lab component

MATH1114L

EXPERIENCES IN MATHEMATICS II: MATHEMATICS OF PERSONAL FINANCE LAB

Credits: 0

MATH1116

INTRODUCTION TO COMPUTING WITH C++

Credits: 3

Prerequisite:

Grade 12 Academic Mathematics

Exclusions:

Unavailable to students with credit for MATH187 or MATH185.

The computer as a problem solving device. The importance of structure in problem solving and programming is emphasized. Students are expected to write and run C++ programs, including branches, loops, arrays, functions, file processing, and basic classes. Course includes lab component.

MATH1116L

INTRODUCTION TO COMPUTING WITH C++ LAB

Credits: 0

MATH1203

CALCULUS WITH ELEMENTARY FUNCTIONS & ANALYTIC GEOMETRY II

Credits: 3

Exclusions:

Unavailable to students with credit for MATH112. Credit cannot be obtained for both MATH1203 and MATH1105.

Note:

dec 5, 2018 - james preen asked that the following pre req be removed "MATH1101 or a grade of at least 40 in MATH1105."

Properties of trigonometric functions, exponential and logarithmic functions and their derivatives. Introduction to integration including approximate integration and polar coordinates

MATH1203L

CALCULUS WITH ELEMENTARY FUNCTIONS & ANALYTIC GEOMETRY II LAB

Credits: 0

MATH1204

INTRODUCTION TO MATRIX ALGEBRA

Credits: 3

Prerequisite:

MATH1203 or MATH1105 at least concurrently or permission of the instructor.

Exclusions:

: Unavailable to students with credit for MATH115.

The computational aspects of vectors, matrices, and systems of linear equations and linear transformations, as well as some elements of the theory of vector spaces essential for later applications.

MATH1204L

INTRODUCTION TO MATRIX ALGEBRA LAB

Credits: 0

MATH1206

DIFFERENTIAL & INTEGRAL CALCULUS II

Credits: 3

Prerequisite:

MATH1203 or MATH1105.

Exclusions:

Unavailable to students with credit for MATH122.

Techniques of integration, application to areas, volumes, work, liquid pressure and arc length, inverse trigonometric, hyperbolic functions, infinite sequences and series, and Taylor's Theorem.

MATH1206L

DIFFERENTIAL & INTEGRAL CALCULUS II LAB

Credits: 0

MATH1208

MATHEMATICS II

Credits: 3

Prerequisite:

MATH1107.

Exclusions:

Unavailable to students with credit for MATH132.

Complex numbers, exponential and logarithmic functions, trigonometric identities, plane analytical geometry, introduction to limits and differentiation.

MATH1208L

MATHEMATICS II LAB

Credits: 0

MATH1211

INTRODUCTORY STATISTICS II

Credits: 3

Prerequisite:

MATH1109.

Exclusions:

Unavailable to students with credit for MATH136.

Continues the study of inferential statistics and includes library assignments and a practical project in data gathering.

MATH1211L

INTRODUCTORY STATISTICS II LAB

Credits: 0

MATH1215

EXPERIENCES IN MATHEMATICS I: DESCRIPTIVE & BASIC INFERENTIAL STATISTICS

Credits: 3

Prerequisite:

Grade 11 Academic Mathematics

Exclusions:

Unavailable to students with credit for MATH153. Not a credit course in the BSc. Credit cannot be obtained for both MATH1109 or MATH135 and MATH1215 or MATH153. Credit for MATH1215 or MATH153 rules out credit for PSYC2101 or PSYC201. Not recommended for students with Grade 12 Pre-calculus or Advanced Mathematics. Credit cannot be obtained for both MATH1215 or MATH153 and MATH151.

An introduction to descriptive and basic inferential statistics, emphasizing the binomial and normal distributions. Lab exercises on word processing and the Internet. Course includes lab component.

MATH1215L

EXPERIENCES IN MATHEMATICS I: DESCRIPTIVE & BASIC INFERENTIAL STATISTICS LAB

Credits: 0

MATH1216

EXPERIENCES IN MATHEMATICS: FUNDAMENTALS

Credits: 3

Prerequisite:

Grade12 Academic Mathematics.

Exclusions:

Unavailable to students with credit for MATH157. Credit cannot be obtained for both MATH1216 or MATH157 and MATH2101 or MATH205

This course explores a number of the fundamental ideas of mathematics from an elementary viewpoint. Topics include sets, functions, symbolic logic, number systems, number theory, algebraic operations, and combinatorics. Problem solving will be emphasized throughout

MATH1216L

EXPERIENCES IN MATHEMATICS: FUNDAMENTALS LAB

Credits: 0

MATH1217

INTRODUCTION TO COMPUTER APPLICATIONS

Credits: 3

Prerequisite:

MATH1116.

Exclusions:

Unavailable to students with credit for MATH189 or MATH186.

Introduces additional topics in C++ emphasizing object-based and object-oriented programming concepts. Includes strings, pointers, and dynamic data structures. Course includes lab component.

MATH1217L

INTRODUCTION TO COMPUTER APPLICATIONS LAB

Credits: 0

MATH2101

DISCRETE MATHEMATICS

Credits: 3

Prerequisite:

Grade 12 Pre-Calculus Mathematics or successful completion of at least one semester of university mathematics other than programming.

Exclusions:

Unavailable to students with credit for MATH205, MATH105, MATH1216 or MATH157.

Significant ideas of discrete mathematics: Logic, proof, set theory, and induction, with applications to combinatorics, graph theory and analysis. This course includes a lab component

MATH2101L

DISCRETE MATHEMATICS

Credits: 0

MATH2103

LINEAR ALGEBRA

Credits: 3

Prerequisite:

MATH1204.

Exclusions:

Unavailable to students with credit for MATH226.

An introduction to abstract vector spaces, building on the concrete examples of MATH1204. Includes diagonalization, inner products, and Jordan Normal Form.

MATH2104

MATHEMATICS III

Credits: 3

Prerequisite:

MATH1208.

Exclusions:

Unavailable to students with credit for MATH233.

Applications of the derivative, Newton's Method, curvilinear motion, maximum and minimum problems, derivatives of sine and cosine functions and introduction to integration

MATH2104L

MATHEMATICS III LAB

Credits: 0

MATH2106

ELEMENTARY MATHEMATICAL STATISTICS I

Credits: 3

Prerequisite:

MATH1203 or MATH1105.

Exclusions:

Unavailable to students with credit for MATH243. Credit cannot be obtained for both MATH2106 or MATH243 and MATH1109 or MATH135. Satisfies half of the research methods requirement in BSc, Mathematics.

An introduction to mathematical statistics for students in science including probability, discrete and continuous distributions, correlations, covariance, sampling distributions, and estimation

MATH2106L

ELEMENTARY MATHEMATICAL STATISTICS I LAB

Credits: 0

MATH2109

MULTIVARIATE CALCULUS

Credits: 3

Prerequisite:

MATH1206.

Exclusions:

Unavailable to students with credit for MATH262.

Parametrically defined curves and polar co-ordinates. Functions of several variables. Limits, continuity, and differentiability, chain rule, extrema of multivariate functions, lagrange multipliers, cylindrical and polar co-ordinates, multiple integrals, application to volume, surface area, moments, and gravitation, vector fields and space curves, gradient, divergence, and curl, line integrals and independence of path and Green's theorem.

MATH2109L

MULTIVARIATE CALCULUS LAB

Credits: 0

MATH2113

MATHEMATICS FOR CHEMISTRY I

Credits: 3

Prerequisite:

MATH1105 or equivalent and 9 credits in Chemistry.

Exclusions:

Unavailable to students with credit for MATH251 or CHEM301. Credit cannot be obtained for both MATH2113 and either MATH1204 or MATH2208.

Note:

Added to exclusions on December 5, 2018 "Credit cannot be obtained for both MATH2113 and either MATH1204 or MATH2208."

Cross-listed with CHEM3201 Topics covered will include the application of ordinary differential equations, vector algebra, matrices, determinants, and operators to such areas of chemistry as point group theory, modern molecular orbital theory, factor analysis and eigenvalue problems. Course includes lab component. Normally offered every other year.

MATH2113L

MATHEMATICS FOR CHEMISTRY I LAB

Credits: 0

MATH2205

MATHEMATICS IV

Credits: 3

Prerequisite:

MATH2104.

Exclusions:

Unavailable to students with credit for MATH234

Differentiation of transcendental functions and applications, areas and volumes by integration, methods of integration, and introduction to differential equations.

MATH2205L

MATHEMATICS IV LAB

Credits: 0

MATH2207

MATHEMATICAL STATISTICS II

Credits: 3

Prerequisite:

MATH2106

Exclusions:

Unavailable to students with credit for MATH 244. Credit cannot be obtained for both MATH2207 or MATH244 and MATH1211 or MATH136

A continuation of inferential statistics to include central limit theorem, regression and correlation, maximum likelihood principle, ANOVA, and non-parametric tests.

MATH2207L

MATHEMATICAL STATISTICS II LAB

Credits: 0

MATH2208

DIFFERENTIAL EQUATIONS I

Credits: 3

Prerequisite:

MATH1206.

Exclusions:

Unavailable to students with credit for MATH257.

Introduction to differential equations, methods for solving first order equations, second-order linear equations, equations having constant coefficients, applications of first- and second-order equations including circuits, mixing and cooling problems, exponential growth, and decay. Also, the Laplace transform and its application to constant coefficient equations, convolution and the gamma function, introduction to Fourier series, full- and half-wave expansions, Fourier series on general intervals, spectral analysis and the complex form of the Fourier series.

MATH2208L

DIFFERENTIAL EQUATIONS I LAB

Credits: 0

MATH2211

SYSTEM ANALYSIS

Credits: 3

Prerequisite:

One 3-credit programming course, preferably MATH1217.

Exclusions:

Unavailable to students with credit for MATH271.

Study of the software design process ranging from an ill-defined problem through to specifications. Functional decomposition and data dictionaries, Top-down structured, data driven and object-oriented analysis techniques. Laboratory and assignment work will address the analysis of complex systems using different techniques.

MATH2214

COMPUTATIONAL MATHEMATICS

Credits: 3

Prerequisite:

MATH1105 or equivalent and 9 credits in Chemistry, and an introductory course in computing applications.

Exclusions:

Unavailable to students with credit for MATH252 or CHEM302.

Crosslisted with CHEM3203. An overview of modern computer applications in Chemistry. Topics will include use of software packages for molecular modeling, solution of simultaneous linear equations, linear and nonlinear least squares regression on systems with two and three parameters and interpolation of experimental data. Course includes lab component. Normally offered every other year.

MATH2214L

MATHEMATICS FOR CHEMISTRY II LAB

Credits: 0

MATH2301

LINEAR ALGEBRA I

Credits: 3

Exclusions:

Unavailable to students with credit for MATH115 or MATH1204

Note:

course description added December 5, 2018

The computational aspects of vectors, matrices and systems of linear equations and linear transformations, as well as some elements of the theory of vector spaces essential for later applications.

MATH2301L

LINEAR ALGEBRA I LAB

Credits: 0

MATH2303

LINEAR ALGEBRA II

Credits: 3

Prerequisite:

MATH2301 or MATH1204

Exclusions:

Unavailable to students with credit for MATH226

Note:

Course description added December 5, 2018

An introduction to abstract vector spaces building on the concrete examples of MATH2301. Includes diagonalization, inner products, and Jordan Normal Form.

MATH3104

SET THEORY

Credits: 3

Prerequisite:

MATH2101 and MATH2103, or permission of instructor.

Exclusions:

Unavailable to students with credit for MATH305.

A study of elementary ideas of sets, axiom systems and the Continuum hypothesis introduction to independence. (Normally offered in alternate years.)

MATH3105

NUMERICAL ANALYSIS

Credits: 3

Prerequisite:

MATH1204, MATH1116, MATH1206.

Exclusions:

Credit cannot be obtained for MATH 3105 and MATH 2214/CHEM 3203. Unavailable to students with credit for MATH307.

This course provides an introduction to numerical techniques for solving practical problems and a piece of numerical software package such as MATLAB or MAPLE. Topics will generally include: Taylor series expansions, numerical differentiation and integration, approximation and errors, roots of non-linear equations, numerical solution of linear and nonlinear system and numerical solution of ordinary differential equations.

MATH3106

PHYSICAL APPLICATIONS OF MATH

Credits: 3

Prerequisite:

MATH2109.

Exclusions:

Unavailable to students with credit for MATH321

Note:

crosslisted added August 31, 2017

Cross-listed with PHYS3106 Vector algebra and calculus are used to describe, analyze and discuss selected topics in physical science. Offered as required.

MATH3108

LINEAR OPTIMIZATION

Credits: 3

Prerequisite:

MATH1204, MATH2103 is recommended.

Exclusions:

Unavailable to students with credit for MATH331

Optimization is a key factor in the solution of a variety of problems in science, engineering and business. This course will cover theory and applications of linear programming in production and diet problems, explain the computation and geometric theory of the simplex method and present duality theory in simple fashion. Normally offered in alternate years.

MATH3109

INTRODUCTION TO COMPLEX ANALYSIS

Credits: 3

Prerequisite:

MATH2101 and MATH2109.

Exclusions:

Unavailable to students with credit for MATH363.

An introduction to complex numbers, definition of the complex exponential function, analyticity and its consequences, representations of complex functions and singularities. Complex integration, residue theorem and principle of the argument will be studied.

(Normally offered in alternate years.)

MATH3113

INTRODUCTION TO REAL ANALYSIS

Credits: 3

Prerequisite:

MATH2101 and MATH1206

Exclusions:

Unavailable to students with credit for MATH361.

An introduction to the structure of the real number system and fundamental properties of real functions, including the Riemann integral and sequences of functions. (Normally offered in alternate years.)

MATH3205

COMBINATORICS

Credits: 3

Prerequisite:

MATH2101.

Exclusions:

Unavailable to students with credit for MATH315.

A brief overview of enumerative combinatorics. Sampling of combinatorial problems from computer science, graph theory, statistics and counting labeled and unlabeled structures. Normally offered in alternate years.

MATH3207

INTRODUCTION TO NUMBER THEORY

Credits: 3

Prerequisite:

MATH2101 or permission of instructor.

Exclusions:

Unavailable to students with credit for MATH325

Divisibility properties of integers, prime numbers and congruences. Number theoretic

functions, quadratic congruences, continued fractions, arithmetic in other bases, cryptology, error correcting codes will be covered.

MATH3209

PROBABILITY & MATHEMATICAL STATISTICS

Credits: 3

Prerequisite:

MATH2106 and MATH2207 and/or permission of instructor

Exclusions:

Unavailable to students with credit for MATH343.

Classical models, conditional and marginal probabilities and expectations, functions of random variables, limit theorems, Markov chains and sampling distribution. Offered as required.

MATH3211

DIFFERENTIAL EQUATIONS II

Credits: 3

Prerequisite:

MATH1204 and MATH2208. MATH2103 and MATH2109 are recommended.

Exclusions:

Unavailable to students with credit for MATH357.

This course is a continuation of MATH2208. Fundamental solutions of linear differential equations. Existence and uniqueness of solutions Abel's identity, linear independence and Wronskians, special functions defined by linear equations including an introduction to hypergeometric functions, linear and nonlinear systems of equations, analysis of stability of critical points, Picard iteration and introduction to Lyapunov functions. Normally offered annually.

MATH3214

NON-LINEAR OPTIMIZATION

Credits: 3

Exclusions:

Unavailable to students with credit for MATH332

Non-linear programming provides excellent opportunity to explore an interesting variety of

pure and applicable mathematics, numerical analysis and computing. This course will cover the mathematical foundations of optimization. Some of the ideas and techniques involved in optimization, using calculus, lead to study of convexity. Basic numerical methods, least squares, the Kuhn-Tucker theorem, penalty functions and Lagrange multipliers are also covered. Offered as required.

MATH3801

DIRECTED STUDY IN MATHEMATICS

Credits: 3

Directed study in Mathematics for third year students. See Department Chair for details

MATH3803

DIRECTED STUDY IN MATHEMATICS

Credits: 3

Directed study in Mathematics for third year students. See Department Chair for details

MATH4101

GRAPH THEORY

Credits: 3

Prerequisite:

MATH2101 and MATH1204 or permission of instructor.

Exclusions:

Unavailable to students with credit for MATH415.

Isomorphism, operations on graphs and Ulam's reconstruction conjecture, walks, trees, distance, graph matrices, and Eulerian and Hamiltonian cycles, matchings, independent sets, graph factoring, colouring of vertices and edges, chromatic polynomials. Planarity, the Platonic solids and an outline of the four colour theorem are also studied.

MATH4103

MODERN ALGEBRA I

Credits: 3

Prerequisite:

MATH2103.

Exclusions:

Unavailable to students with credit for MATH421.

A study of groups and semi-groups, including permutation groups, Cayley's Theorem, the Isomorphism Theorems and Sylow Theorems. Offered as required.

MATH4105

INTRODUCTION TO GENERAL TOPOLOGY

Credits: 3

Prerequisite:

MATH2101 and MATH3113 or permission of instructor

Exclusions:

Unavailable to students with credit for MATH471.

Metric spaces, topologies and topological spaces, continuity and homeomorphism, separation axioms, compactness and variations thereon, cardinal invariants and applications to geometry and analysis. Offered as required.

MATH4204

MODERN ALGEBRA II

Credits: 3

Prerequisite:

MATH4103.

Exclusions:

Unavailable to students with credit for MATH422.

A study of rings and fields, including topics in module theory, solvability by radicals and the classical problems. Offered as required.

MATH4205

PARTIAL DIFFERENTIAL EQUATIONS

Credits: 3

Prerequisite:

MATH 2103,2109,3211 or special permission by the instructor.

Exclusions:

Unavailable to students with credit for MATH457.

This course serves as an introduction to the theory and techniques of partial differential equations that are relevant to mathematicians, scientists and engineers. Topics to be studied include the classical Partial Differential Equations of mathematical physics (Heat-Diffusion equation, Wave equation and Laplace's equation), the method separation of variables, Eigenvalue problems, Fourier series (in multiple dimensions), orthogonal sets of functions, orthogonal series expansions and Sturm-Liouville theory.

MATH4208

NONLINEAR OPTIMIZATION

Credits: 3

Prerequisite:

MATH2103 AND MATH2109

Note:

DEC 2014 EDIT - CHANGE PRE-REQS

This course covers the key concepts, models and solution approaches in local and global nonlinear optimization. Topics will include convex analysis, local optimality conditions and duality, steepest descent, conjugate gradient and quasi-Newton methods, Kuhn-Tucker theory and algorithmic methods such as s reduced gradients, gradient projection, penalty and barrier methods.

MATH4213

REAL ANALYSIS

Credits: 3

Prerequisite:

MATH 3113

This course covers the significant ideas of advanced undergraduate analysis and its applications. Topics include: The Real and Complex number systems, metric spaces, compact sets in a metric space, the Riemann-Stieltjes integral, sequences and series of functions, equicontinuous families of functions, the Arzela-Ascoli theorem, the Stone-Weierstass theorem, and an introduction to Lebesgue integration theory.

MATH4801

DIRECTED STUDY IN MATHEMATICS

Credits: 3

Directed study in mathematics for fourth-year students. See Department Chair for details

MATH4803

DIRECTED STUDY IN MATHEMATICS

Credits: 3

Directed study in mathematics for fourth-year students. See Department Chair for details

MATH4900

HONOURS THESIS IN MATHEMATICS

Credits: 6

Prerequisite:

Admission and forth-year standing in the BSc (Honours) Mathematics program.

This course includes the preparation of an original research proposal, completion of the proposed research project, analysis of the data, preparation of a written thesis and oral defence of this thesis. Students planning to register in this course must consult the Department Chair in the term preceding the expected start date of the project. Consult the Department Chair for details.

MBAC5101

BUSS & COMMUNITY DEVELOPMENT I

Credits: 3

Exclusions:

Unavailable to students with credit for MBAD500

Provides the theoretical and philosophical foundations of community economic development, identifying business as a way of achieving an enhanced quality of community life. Students are introduced to the language and concept of third sector structures such as community development corporations, worker-owned ventures, and similar initiatives.

MBAC5103

FUND. OF ACCOUNTING, CED APPLICATIONS

Credits: 3

Exclusions:

Unavailable to students with credit for MBAD502

A combination of financial and managerial accounting themes designed particularly for those working in a CED environment. The course next focuses on accounting from a manager's decision-making point of view; that is, as a person interpreting rather than preparing these statements. Issues relating to cash flow management, budgeting and relevant costs will be discussed.

MBAC5104

FUNDAMENTALS OF MARKETING, WITH CED APPLICATIONS

Credits: 3

Exclusions:

Unavailable to students with credit for MBAD504.

The purpose of this course is to present the marketing dimensions as they apply to community and social organizations. It deals with both the strategic and tactical approaches to influencing behaviour in a wide range of key target markets, such as customers, clients, funding sources, policy makers, volunteers, the media and the organization's own staff. The community venture will be examined through the basic concept of the marketing mix.

MBAC5105

ORGANIZATIONAL BEHAVIOUR

Credits: 3

Exclusions:

Unavailable to students with credit for MBAD505.

The course presents the history, theory, models and research in several topics in organization behaviour and organization design, including strategic human resource planning. Class discussions, exercises and cases will be used to reinforce concepts and improve skills required in managing and motivating people.

MBAC5107

ECONOMIC GEOGRAPHY & DEVELOPMENT

Credits: 3

Exclusions:

Unavailable to students with credit for MBAD612

Introduces students to the analytic tools that economic geographers use to measure and compare spatial variations in economic growth. The course describes the dominant economic mechanisms and processes of uneven development that produce global cities, peripheral

regions, and regional economies. Students will employ this background to study the attributes of a depleted community and to assess its potential for economic recovery.

MBAC6101

BUSINESS & COMMUNITY DEVELOPMENT II

Credits: 3

Prerequisite:

MBAC5101.

Exclusions:

Unavailable to students with credit for MBAD600

This practical course will explore the relationship of business with the community and the challenges and issues surrounding community-based business institutions. This topic will be explored through the assigned readings, case studies and class discussion. The course will seek to draw from theories of CED and the social economy and compare them to examples of how community business and CED gets implemented.

MBAC6103

FUNDAMENTALS OF FINANCE, WITH CED APPLICATIONS

Credits: 3

Prerequisite:

MBAC5103.

Exclusions:

Unavailable to students with credit for MBAD601

Provides students with a comprehensive body of knowledge concerning management of the firm's financial affairs. The course covers financial analysis and planning, valuation of assets, long-term capital budgeting and capital structure decisions, short-term investment and financing decisions and tax principles influencing the organization's finance and investment decisions.

MBAC6106

LEADERSHIP TRAINING

Credits: 3

Prerequisite:

MBAC5105.

Exclusions:

Unavailable to students with credit for MBAD605.

The course uses a combination of lectures, discussions, cases and presentations to focus on leadership training techniques. It covers major issues in leadership and presents practical techniques for implementation. Learners will be able to analyze typical leadership problems and develop options for solutions, including means for conflict resolution and mediation. Emphasis is placed on cultural and political differences in the conduct of community organization and leadership training and their effect on outcomes.

MBAC6107

COMPARATIVE DEVELOPMENT

Credits: 3

Exclusions:

Unavailable to students with credit for MBAD608

This course employs a comparative approach in the assessment of alternative development philosophies in both the North and South, especially those which attempt to define a sustainable community. It examines the influence of natural resources and governance on development, it synthesizes concepts of development and it examines strategies used to formulate action plans to achieve sustainability in communities. Learners will become skilled in thinking globally and acting locally and on using qualitative and quantitative indicators of sustainability.

MBAC6118

FUNDAMENTALS OF VENTURE ANALYSIS

Credits: 3

Prerequisite:

MBAC5103 and MBAC5104.

Exclusions:

Unavailable to students with credit for MBAD618

The course provides students with opportunities to apply knowledge acquired in prior experience and other business courses, in planning and developing a business venture. Students who complete this course will have a sound understanding of the process of developing a business plan and will be able to evaluate business plans. The course will also attempt to explore the differences between traditional business practice and community economic development.

MBAC6121

APPLIED RESEARCH METHODS

Credits: 3

Exclusions:

Unavailable to students with credit for MBAD603

This survey course will provide students with an understanding of varying approaches to applied research, including qualitative, quantitative and ethnographic methods. Learners will be required to critically analyze the strengths and weaknesses of the methods. Participants will be encouraged to prepare their proposal for their applied research project and identify research methods appropriate to their research project

MBAC6124

INTERNATIONAL BUSINESS

Credits: 3

Prerequisite:

MBAC5103, MBAC5104, and MBAC5105.

Exclusions:

Unavailable to students with credit for MBAD624.

This course focuses on the issues raised by doing business internationally. It examines the economic and financial environment, institutions and markets, and interrelationships of principal trade centres. It also discusses trade issues and strategic international management issues. The course is integrated across business functional areas.

MBAC6125

STRATEGIC MANAGEMENT

Credits: 3

Prerequisite:

MBAC6124.

Exclusions:

Unavailable to students with credit for MBAD630.

Introduces students to the basic concepts and methodologies used in crafting and executing business strategy. The course provides the student with the opportunity to apply knowledge garnered in previous courses and to integrate it. Will use the case method extensively and will focus on strategic decision making in the CED context.

MBAC6204

COMMUNICATION & SOCIAL CHANGE

Credits: 3

Exclusions:

Unavailable to students with credit for MBAD602.

The ideologies and conditions of the premodern, modern and postmodern worlds through their manifestations in cultural and technological artifacts.

MBAC6205

CULTURAL TOURISM MARKETING

Credits: 3

Prerequisite:

MBAC5104

This course builds on the fundamentals covered in the MBA core marketing course and focuses on the strategic marketing process as it relates to the cultural tourism industry. The course focuses on the use of cultural assets as tourism products, including tangible, intangible, contemporary and heritage assets. Cultural destination branding, destination sustainability and the opportunities and challenges facing this tourist offering will be introduced. The course will also explore the theoretical and practical issues arising from the cross-cultural environment, including differing cultural values, social customs and business practices. The course discusses issues of intellectual copyright and the development of indigenous cultural tourism.

MBAC6206

TOURISM MANAGEMENT & PLANNING

Credits: 3

Prerequisite:

MBAC5104

This course takes a comprehensive approach to the study of tourism, covering tourist types and behaviour, the role of places and experiences in tourists' travels, environmental impacts, and the structure of the tourism industry. It presents the scale and scope of the business of tourism, and the cooperative nature of decision making in tourism. The course also provides a study of tourism planning, including market research, attraction proposal, and implementation strategies. It also covers the importance of planning for matching supply and demand, for using resources sustainably, and recognising the various stakeholders such as the local community, the tourists, the tourism industry, the different levels of government, and their roles in the tourism planning process.

MBAC6208

INFORMATION & COMMUNICATION TECHNOLOGY & ECONOMIC DEV'T

Credits: 3

Exclusions:

Unavailable to students with credit for MBAD609

This course focuses on the use of information technology in organizations and communities. It examines how organizations can use information technology as a tool to improve their effectiveness, enhance their competitive advantages and help transform the economy.

MBAC6209

LAND CLAIMS, SELF GOVERNMENT & CED

Credits: 3

Exclusions:

Unavailable to students with credit for MBAD610.

Provides an overview of the ever-changing environment in the political economy of First Nations communities in Canada. Models and cases of land claims and self-government are explored, with an emphasis on issues relevant to long-range planning and policy-making for community economic development.

MBAC6211

DYNAMICS OF CED IN FIRST NATIONS

Credits: 3

Exclusions:

Unavailable to students with credit for MBAD611

A comparative course which analyses the social and economic conditions that distinguish urban and rural First Nation communities. Students discuss the different strategic approaches to community economic development that could be used in each case.

MBAC6214

SOCIAL ENTREPRENEURSHIP

Credits: 3

Prerequisite:

MBAC5101.

Exclusions:

Unavailable to students with credit for MBAD613.

Social entrepreneurship refers to initiatives by citizens and community groups to respond to social needs. Social enterprises are blurring the lines between the sectors, taking for-profit, non-profit and hybrid forms of organization. The objective of this course is to introduce students to the concepts, practices and challenges of social entrepreneurship. Students will learn from examples of regional experiences and from case studies that illustrate the application of business skills in the social sector. The course discusses the impact of trust and social capital in communities and the use of the Balanced Scorecard to strengthen the management of the enterprise.

MBAC6215

EMERGENCY MANAGEMENT

Credits: 3

Exclusions:

Unavailable to students with credit for MBAD616.

This course is designed to facilitate a comprehensive understanding of the role of community economic development in preparing for and dealing with local and national emergencies and their consequences. Knowledge and skills acquired in this course will be directly transferable to international crises and disasters. The preparedness measures of various organizations are examined. Using a provided scenario, students prepare a CED plan, including concept, implementation and transfer/close-out aspects.

MBAC6217

CONFLICT RESOLUTION AND COMMUNITY RECONSTRUCTION

Credits: 3

Exclusions:

Unavailable to students with credit for MBAD617.

This course is designed to facilitate a comprehensive understanding of the role of community economic development in conflict prevention, conflict resolution and post-conflict restoration activities. Students will acquire knowledge and analytical insight in two significant aspects of the human condition: the origins and nature of conflict and the conditions necessary for peace. The course focuses on: security assurances attained by alliance building at all levels; prevention and resolution of conflict, the theory and practice of CED and its place in building secure communities and how CED initiatives are employed by civilian and military organizations.

MBAC6219

SOCIAL LEADERSHIP

Credits: 3

Prerequisite:

MBAC6106.

Exclusions:

Unavailable to students with credit for MBAD620.

The course discusses how modes of communication, distribution of power, values, sharing of knowledge and the ways people interact with others affects leadership. The purpose of the course is to help participants gain an understanding of the sociological, psychological and cultural factors that contribute to leadership behaviours and the ways in which people respond to them. It will provide practical tools with which participants can assess and improve their own leadership skills.

MBAC6221

PUBLIC POLICY

Credits: 3

Prerequisite:

MBAC5101, MBAC5103, MBAC5104, MBAC5105

Exclusions:

Unavailable to students with credit for MBAD621.

This course will examine the major theories relating to the policy-making process, the institutional, political and socio-economic contexts in which decisions are made and how those decisions have been implemented. Understanding the variety of means in which policies can be implemented is as important as the designing of public policy. In this respect, attention will be paid to the policy relationship between government and community economic development (CED) organizations. A number of CED public policy case studies will be used as pedagogical tools, in order to understand how the policy-making process has occurred, the other types of policy options which were available and what the results have been from particular policy decisions. The policy-making process in Canada and in other major industrialized countries has changed significantly over the last two decades. Any individual or group can create an electronic platform in order to advance their policy objectives. Because of increased opportunities for citizen participation in policy-making, governments are increasingly being pressured to open the policy development process so that stakeholder groups and members of the "attentive" public can have input into the decision making.

MBAC6223

GOVERNMENT, BUSINESS, AND THIRD SECTOR RELATIONS

Credits: 3

Prerequisite:

MBAC5101, MBAC5103, MBAC5104, MBAC5105

Exclusions:

Unavailable to students with credit for MBAD623.

This course will explore the multi-layered relationships between government, business, and the third sector, in order to detail the political, institutional, and societal context in which businesses and non-profit/community economic development organizations operate. This exploration will provide a lively theoretical introduction to government/business relations. The course will discuss a wide range of ideological perspectives, which attempt to inform us as to what those relations should or should not be based upon.

MBAC6226

INTERNATIONAL FINANCE

Credits: 3

Prerequisite:

MBAC6103.

Exclusions:

Unavailable to students with credit for MBAD631.

This course provides a conceptual framework within which the key financial decisions of the multinational firm can be analyzed. The course considers the environment of international financial management, foreign exchange markets and the tools that can be used to hedge exchange rate risks. The course covers methods used to manage accounting and economic exchange rate exposures and examines the financing options available to multinational financial managers and how cost of capital can be determined.

MBAC6227

ENVIRONMENT, ENERGY, AND THE ECONOMY: STRATEGIES FOR SUSTAINABLE FUTURES

Credits: 3

Prerequisite:

MBAC5101, MBAC5103, MBAC5104, MBAC5105

Exclusions:

Unavailable to students with credit for MBAD633.

The course provides a comprehensive examination of the environmental issues facing organizations and communities. The goal of the course is to prepare learners to help organizations understand sustainability and how it affects corporate strategy and public policy. The course builds on the concept of socially sustainable development, fused in the program's core curriculum and extends it to planning for sustainable environmental and energy futures at global, national, regional, and corporate levels; including a discussion of the impact of climate change agreements on energy consumption. It explores the tensions between growth, energy consumption and the environment; it aims to develop a holistic

understanding of ecological, economic and social sustainability. It includes discussion of environment and energy risks, methods to value natural resources, effect of organizations environmental image and the relationship between environmental and financial performance. The course introduces the elements of environmental management systems through the use of case studies that can help government, business, community organizations and citizens move toward sustainable practice.

MBAC6228

INTERNATIONAL MARKETING

Credits: 3

Prerequisite:

MBAC5104.

Exclusions:

Unavailable to students with credit for MBAD634.

This course focuses on the basic concepts of international marketing, the need for international marketing activities and global trade. It reviews institutions and markets, covers in-depth geography discussion and explores cultural and strategic marketing issues. The principle aim of the course is to internationalize theory and practice across the broad range of functional marketing areas.

MBAC6229

SUSTAINABILITY MARKETING

Credits: 3

Prerequisite:

MBAC5104

Exclusions:

Unavailable to students with credit for MBAD634.

The course aims to provide a comprehensive framework for understanding how environmental issues influence marketing in business, government and the social economy. The course follows the multiple-bottom-line approach built in the MBA (CED) program. Going beyond the concepts introduced in the core marketing course, it explores marketing theory and strategy as it relates to the objectives of organizations striving for social and environmental sustainability. Learners will study marketing implications for sustainability and critically analyze existing marketing systems. It reviews approaches to green marketing, focusing on sustainable ideas and behaviour.

MBAC6231

MARKETING STRATEGY

Credits: 3

Prerequisite:

MBAC5104.

Exclusions:

Unavailable to students with credit for MBAD636

This course focuses on developing effective marketing strategies that can serve as blueprint for marketing programs that build long-term success for the organization. Students learn basic branding principles and examine the branding strategies organizations employ to enhance positioning and deliver high levels of satisfaction to targeted customers and clients, sustain a competitive advantage and improve market performance and financial performance. Learners will be able to conduct market and industry analyses, develop a competitive position and explain the meaningful competitive advantage of a firm. Learners will be able to formulate and assess marketing strategies and tactics that have value for the firm, customers, clients, partners and society at large. Issues of ethics, social responsibility, customer satisfaction and credibility arise throughout the course in readings, lectures, case studies and projects. The pre-assigned readings are supplemented by news coverage of current events. Case studies explore the benefits and risks of valuing socially focused brands.

MBAC6233

CONTEMPORARY ORG ISSUES;CHANGE MGMT & GOVERNANCE

Credits: 3

Prerequisite:

MBAC5105.

Exclusions:

Unavailable to students with credit for MBAD640.

Change management and governance are two organizational issues that dominate managerial, board and regulatory time and resources because of their high degree of both risk and opportunity. The pace of change affecting organizations in the private, public and non-profit sectors has increased dramatically as a result of new enabling technologies and the need to respond to changing national and global political and market operating environments. This course provides the student with a theoretical underpinning for both cross-cutting issues, while also focusing on practical applications of that theory to real-life situations in all three economic sectors.

MBAC6703

SPECIAL TOPICS

Credits: 3

MBAC6801

APPLIED RESEARCH PROJECT

Credits: 3

Prerequisite:

MBAC6121.

Exclusions:

Unavailable to students with credit for MBAD625

The Applied Research Project (ARP) will meet the highest academic standards and will approach a problem in business and/or community economic development in a holistic, multidisciplinary manner. A two-person supervisory committee, drawn from different disciplines, will oversee the preparation of the project. There is no residency requirement for the research project, which may be completed off site. The ARP must be completed within 12 months.

MECH2133

TOOLS, FIXTURES, & GAUGING

Credits: 3

Prerequisite:

MECH2164, MECH2137.

Exclusions:

Unavailable to students with credit for MECH275.

Types of tooling systems and fixturing methods utilized in CNC manufacturing and methods of inspection and gauging. Topics include: tooling and tool programs for machining centres, EDM, open set-up gauging, functional gauging and coordinate measuring

MECH2134

MACHINE DESIGN II

Credits: 3

Prerequisite:

ENGI1164.

Exclusions:

Unavailable to students with credit for MECH385.

This course focuses on the design and selection of power transmission components.

MECH2137

GEOMETRIC TOLERANCING

Credits: 3

Prerequisite:

DRAF1163

Exclusions:

Unavailable to students with credit for MECH293.

Application of dimensional philosophy based on the function and manufacture of parts for production. Topics include coordinate and positional tolerancing, form and orientation tolerancing, run-out, co-axial methods, functional gauging concepts, and 3D part analysis.

MECH2161

THERMODYNAMICS

Credits: 3

Prerequisite:

PHYS1101 and PHYS1201

Exclusions:

Unavailable to students with credit for MECH224.

The relationship between heat and work and the efficiency of the conversion process, first and second laws. Emphasis is placed on the process involved in a modern steam Electrical Power Generation Plant.

MECH2163

MATERIAL SCIENCE

Credits: 3

Prerequisite:

MECH2165.

Exclusions:

Unavailable to students with credit for MECH234

Continues the metallurgy course to include the heat treating and properties of ceramics, carbides and plastics. An introduction to welding practice and technique is included. Laboratory experiments augment the lecture information.

MECH2164

CAD/CAM

Credits: 3

Prerequisite:

ENGI1161 and DRAF1163.

Exclusions:

Unavailable to students with credit for MECH263

Advanced computer-aided drafting, utilizing Unigraphics software and CNC Milling operations and programming. Hands-on approach to computer-aided drafting.

MECH2165

METALLURGY

Credits: 3

Exclusions:

Unavailable to students with credit for MECH273.

The fundamentals of process and physical metallurgy. Laboratory experiments simulate both quality control testing and heat treatment. Plant tours.

MECH2166

FLUID POWER

Credits: 3

Prerequisite:

ENGI1168.

Exclusions:

: Unavailable to students with credit for MECH274.

The characteristics of basic hydraulic components and the assembly of them into circuits to achieve desired actuation. Includes the study of components and circuit design.

MECH2167

MACHINE DESIGN I

Credits: 3

Prerequisite:

ENGI1164

Exclusions:

Unavailable to students with credit for MECH284

Expands the principles of mechanics, strength of materials and material science to include the design of machine components.

MECH2168

HEATING, VENTILATION, & AIR CONDITIONING

Credits: 3

Prerequisite:

ENGI1168.

Exclusions:

Unavailable to students with credit for MECH345

The major emphasis is on comfort air conditioning - both winter heating and summer cooling. Includes the basic principles of heat transfer, psychometry, load analysis, and equipment selection.

MECH2169

ROBOTICS/CIM

Credits: 3

Prerequisite:

MECH2164.

Exclusions:

Unavailable to students with credit for MECH365.

Computer-integrated manufacturing: the programming, operation and maintenance of CNC Robotics utilizing a unimation puma robot

MGMT1601

INTRODUCTION TO BUSINESS

Credits: 3

Exclusions:

Unavailable to students with credit for BUSS111.

A BBA core requirement. This introductory course offers an overview of the Canadian business organization and environment, presenting up-to-date issues that shape today's business world. Topics representing accounting, economics, finance, marketing, production, human resources, managerial concepts, and organizational structures provide a foundation for further business studies.

MGMT1603

NATURE OF ENTREPRENEURSHIP

Credits: 3

Exclusions:

Unavailable to students with credit for BUSS113

This introductory course is intended for students of any program or discipline to aid their thinking of how they can perceive and construct their worlds of opportunity. The course brings together a range of perspectives and disciplines to assist students in taking personal and social action to discover and act on ideas and problems as opportunities, to recognise and generate multiple forms of value, and to apply techniques and frame works in taking entrepreneurial action.

MGMT1604

OPPORTUNITY ANALYSIS & VENTURE CAPITAL

Credits: 3

MGMT2101

WHO'S IN CHARGE?: EXPOSING GOV'T-BUSINESS RELATIONS IN CANADA

Credits: 3

Prerequisite:

6 credits of 1000-level Political Science or permission of instructor

Exclusions:

Unavailable to students with credit for BUSS272 or POLS263.

Cross-listed with POLS2116 The relationship between business and government in Canada is a complex, fluid one that is little understood. Understanding that relationship is vitally important, however, because it affects how we live and work as Canadians. This course examines the historical relationship between government and business. A large part of that examination will focus on how that relationship determines what governments will and won't do when it comes to making decisions in areas such as education, health care, personal and corporate taxes, economic development and foreign policy. This course is of equal interest to business and political science students.

MGMT2111

BUSINESS & COMMUNITY DEVELOPMENT I

Credits: 3

MGMT2113

BUSINESS & COMMUNITY DEVELOPMENT II

Credits: 3

MGMT2601

BUSINESS COMMUNICATION

Credits: 3

Exclusions:

Credit can not be obtained for both BRLT942 and MGMT2601.

Note:

Added June 7, 2019 at the request of Barb Kennedy. Received from Ida Steeves via Jennifer Currie

Students will develop expertise in business related communication skills and develop an understanding of effective communication methods required in a variety of business settings.

MGMT2603

INTERPERSONAL COMMUNICATION

Credits: 3

Prerequisite:

MGMT2604

Exclusions:

Unavailable to students with credit for BUSS263.

The course covers such topics as basic communication theory, perception, verbal and nonverbal cues, listening, self-presentation, clarity, and conflict management. The particular focus will be on communication in the workplace, but most of the theories, concepts, and skills will be relevant to relationships away from the workplace as well.

MGMT2604

ORGANIZATIONAL BEHAVIOUR I

Credits: 3

Exclusions:

Unavailable to students with credit for BUSS261 or BUSS260.

A BBA Core Requirement An introduction to organizational behaviour that will present the multi-faceted, multi-discipline foundations of the subject. Students will explore the major concepts including individual values, personality, perception, learning, workplace emotions and attitudes, motivation, as well as team dynamics, communicating in organizations, conflict and negotiation and leadership, organizational structure and design, organizational culture, and organizational change.

MGMT2605

HUMAN RESOURCE MANAGEMENT

Credits: 3

Exclusions:

Unavailable to students with credit for BUSS363.

A BBA Core Requirement Deals with the traditional human resource (HR) functions: recruitment and selection, training and development, career management, compensation and performance management. Current HR issues such as innovative workplace practices, occupational health and safety, workplace education and changing HR functions will also be considered.

MGMT3603

INTEGRATIVE ENTREPRENEURSHIP

Credits: 3

Prerequisite:

ACCT1204, MGMT2605, MGSC2101 and MRKT1301 or permission of instructor.

Exclusions:

Unavailable to students with credit for BUSS312

A BBA core requirement This course will explore the key issues and challenges facing management in organizations that are experiencing growth. Strategies used in successful businesses will be examined to foster growth while minimizing risk. The development of a comprehensive business plan for a new or existing business will involve the student in this management process.

MGMT3604

INDUSTRIAL RELATIONS

Credits: 3

Exclusions:

Unavailable to students with credit for BUSS362.

This foundational course places emphasis on the employment relationship in a unionized workplace. Lectures, readings, simulations and assignments will serve to acquaint the student with the structure and functioning of the Canadian industrial relations system, basic employment law concepts, the union certification process, negotiation and administration of collective agreements and strikes and dispute resolution. A bargaining simulation is an integral component of the course.

MGMT3605

ORGANIZATIONAL BEHAVIOUR II

Credits: 3

Prerequisite:

MGMT2604.

Exclusions:

Unavailable to students with credit for BUSS262 or BUSS260.

This course continues the study of organizational behaviour by focusing on managing effective organizations. Topics include organizational processes, structure, development, and change.

MGMT3606

LEADERSHIP IN ORGANIZATIONS

Credits: 3

Prerequisite:

MGMT2604.

Exclusions:

Unavailable to students with credit for BUSS364.

Introduces leadership from the social sciences perspective. With an emphasis on interpersonal skills, the study of this course focuses on leadership theory, research and applications in modern organizations.

MGMT3607

INTRO TO INTERNATIONAL BUSINESS MGMT

Credits: 3

Exclusions:

Unavailable to students with credit for BUSS391.

Since Canada is heavily involved in global trade relationships with many countries, the course examines the nature and impact of international trade, trading blocks, and the financial instruments that facilitate world trade.

MGMT4217

CONFLICT RESOLUTION & COMMUNITY RECONSTRUCTION

Credits: 3

MBAC 6217 is designed to facilitate a comprehensive understanding of the role of economic development in conflict prevention and the roles of external organizations in facilitating conflict resolution and post-conflict environments. Emphasis will be placed on reconstruction, in all its aspects, of a war-torn environment. Students, through a combination of presentations, readings, discussions, and research for a final essay will gain knowledge and insights into the origins and nature of conflict, the conditions necessary for peace and the establishment of security, good governance, the basis of an economy, education and civil society in conflict-ridden environments.

MGMT4219

SOCIAL LEADERSHIP

Credits: 3

Leadership is above all else relational in character. Understanding leadership requires learning about modes of communication, the distribution of power, the role of personal and collective values, the construction and sharing of knowledge, and the ways that people interact with others in one-on-one situations, as members of teams, and within normative group structures. The course assists students in better understanding the social, psychological, and cultural factors that contribute to leadership behaviours and the ways in

which people respond to them. It also explores contemporary transformational technologies that a social leader can benefit from as he/she goes about leadership functions in a social change context.

MGMT4233

CONTEMPORARY ISSUES: CHANGE MANAGEMENT & GOVERNANCE

Credits: 3

Change management and governance are two organizational issues that can dominate managerial and board time because of their high degree of both risk and opportunity. The pace of change affecting organizations in the private, public and non-profit sectors has increased dramatically as a result of new enabling technologies and the need to respond to changing national and global political and market operating environments, among other forces driving change. This graduate course provides a theoretical underpinning for both cross-cutting issues, namely change and governance, thereby improving the ability to understand and analyze organization and sector-specific problems while focusing on practical applications of that theory to real-life situations in community economic development organizations which provide the student with additional planning and implementation tools.

MGMT4603

DIVERSITY ISSUES IN MANAGEMENT

Credits: 3

Prerequisite:

MGMT2604 and MGMT3605.

Exclusions:

Unavailable to students with credit for BUSS464.

Examines the changing workplace demographics, specifically addressing how we manage differences at work. A number of topics are covered which are representative of the new workforce characteristics, including racial differences, women at work, alternative lifestyles, the ageing workforce, the disabled and organizational response to diversity.

MGMT4604

ORGANIZATIONAL DEVELOPMENT

Credits: 3

Prerequisite:

MGMT2604 and MGMT3605 or permission of the instructor

Exclusions:

Unavailable to students with credit for BUSS465.

An examination of the process of change in organizations. Strategies for improving the effectiveness of an organization and meeting the needs of employees, managers, owners, customers and other stakeholders are explored.

MGMT4605

BUSINESS COMPETITIVE STRATEGIES

Credits: 3

Prerequisite:

ACCT1204, ECON1101,1103, FINC2401, 2403, MGMT1601,2604,2605

Exclusions:

Unavailable to students with credit for BUSS471

A BBA Core Requirement The formulation and implementation of long-range decisions which focus on corporate strategy and corporate citizenship.

MGMT4606

TOURISM MANAGEMENT

Credits: 3

Prerequisite:

ECON1101 and HATM3509 or by permission of the instructor.

Exclusions:

Unavailable to students with credit for BUSS493.

Note:

Pre-reqs added to Calendar Feb 26 2016 at the request of George Karaphillis, Acting Dean SSOB Course description also changed at this same time.

This is a capstone course for the BHTM program. The course examines tourism development and management on a global platform. It examines the positive and negative social, cultural, economic and environmental impacts of tourism in developed and developing destinations. The course ties in the basic elements of sustainable tourism development and management.

MGMT4607

TOURISM STRATEGY

Credits: 3

Prerequisite:

ACCT1203, MGMT4606, HATM3125, or permission of instructor.

Exclusions:

Unavailable to students with credit for BUSS495

This is the capstone course for the Bachelor of Hospitality and Tourism Management Degree. A critical study into the development of strategic hospitality and tourism plans, providing the foundation upon which hospitality and tourism planning and implementation is based.

MGMT4609

LABOUR RELATIONS SEMINAR

Credits: 3

Prerequisite:

MGMT2605, MGMT3604. The prerequisites may be waived, at the discretion of the instructor, for people with labour relations backgrounds.

Exclusions:

Unavailable for students with credit for BUSS466.

Examines approaches to the development of participative management. Topics may include: work redesign, the Scanlon plan, quality circles, autonomous work groups, co-determination in management, and workers' co-operatives.

MGMT5601

INTRODUCTION TO BUSINESS

Credits: 3

Note:

Entered: September 21, 2018 SML

This introductory course offers an overview of the Canadian business organization and environment, presenting up-to-date issues that shape today's business world. Topics representing accounting, economics, finance, marketing, production, human resources, managerial concepts, and organizational structures provide a foundation for further business studies.

MGMT5603

INTRODUCTION TO ENTREPRENEURSHIP

Credits: 3

Note:

Entered: September 21, 2018 SML

This introductory course is intended to aid students in their thinking of how they can perceive and construct their worlds of opportunity. The course brings together a range of perspectives and disciplines to assist students in taking personal and social action to discover and act on ideas and problems as opportunities, to recognise and generate multiple forms of value, and to apply techniques and frame works in taking entrepreneurial action.

MGMT5604

ORGANIZATIONAL BEHAVIOR

Credits: 3

Note:

Entered: September 21, 2018 SML

An introduction to organizational behaviour that will present the multi-faceted, multi-discipline foundations of the subject. Students will explore the major concepts including individual values, personality, perception, learning, workplace emotions and attitudes, motivation, as well as team dynamics, communicating in organizations, conflict and negotiation and leadership, organizational structure and design, organizational culture, and organizational change.

MGMT5605

HUMAN RESOURCE MANAGEMENT

Credits: 3

Note:

Entered: September 21, 2018 SML

An introduction to the traditional human resource (HR) functions: recruitment and selection, training and development, career management, compensation and performance management. Current HR issues such as innovative workplace practices, occupational health and safety, workplace education and changing HR functions will also be considered

MGMT5615

STRATEGIC MANAGEMENT

Credits: 3

Prerequisite:

Prerequisites: ACCT 5204, MRKT 5301

Note:

Entered: September 21, 2018 SML

The formulation and implementation of long-range decisions which focus on corporate strategy and corporate citizenship. This course covers concepts, models, and frameworks for strategic decision-making that build on, integrate, and apply the knowledge gained from a variety of other disciplines.

MGSC1101

MATHEMATICS FOR BUSINESS

Credits: 3

Exclusions:

Unavailable to students with credit for BUSS101.

Focuses on weaknesses in quantitative skills needed to solve and interpret business-oriented word problems. Designed with an emphasis on algebra to help prepare students for business calculus.

MGSC1108

INTRODUCTION TO STATISTICS

Credits: 3

Exclusions:

Unavailable to students with credit for BUSS182. Credit for MGSC1108 or BUSS182 rules out credit for MATH1109.

A BBA core requirement. A course in statistics which introduces the student to basic probability concepts; descriptive measures; probability distributions, including the binomial and normal distributions and their properties; estimation; hypothesis testing; Chi Square analysis; and linear regression and correlation. Computer applications will also be illustrated using a statistical package. A BBA core requirement.

MGSC1109

CALCULUS FOR BUSINESS

Credits: 3

Exclusions:

Unavailable to students with credit for BUSS281

A BBA core requirement. This course provides a mathematical foundation for business students, showing how mathematical concepts can be applied to describe business and

economic phenomena. Topics covered include rational and polynomial functions, the mathematics of finance, limits and continuity, derivatives with applications including maxima and minima and integral calculus.

MGSC2101

COMPUTERS IN BUSINESS

Credits: 3

Prerequisite:

MGSC1109 or permission of the department

Exclusions:

Unavailable to students with credit for BUSS181

A BBA core requirement. Introduces students to the use of the computer in the solution of business problems. Includes computer literacy and use of MS Office microcomputer software (Excel spreadsheet and Access database management). Hands-on lab sessions are an integral part of the course.

MGSC2103

QUANTITATIVE METHODS

Credits: 3

Prerequisite:

MGSC1108

Exclusions:

Unavailable to students with credit for BUSS282.

Introduces students to quantitative tools available for business decision making, focusing on problem solving through model building. Topics include: decision theory including decision trees, inventory models, linear programming and applications including sensitivity analysis, networking, forecasting and simulation. Strongly recommended that this course be taken after MGSC2101 and MGSC1109.

MGSC2104

SUPPLY CHAIN MANAGEMENT

Credits: 3

Prerequisite:

MGMT1601, MGSC2101, MRKT1301

This is an introductory course in Supply Chain Management. This course will examine how supply chain professionals actively operate at the centre of the supply chain structure providing connectivity, managing relationships of all stakeholders who are linked in this chain through physical flows and information flows, and ensuring that the processes resulting the effective distribution of goods form the manufacturer to the end user while safeguarding quality.

MGSC3101

INFORMATION SYSTEMS FOR MANAGEMENT

Credits: 3

Prerequisite:

ACCT1204 and MGSC2101.

Exclusions:

Unavailable to students with credit for BUSS284.

A BBA Core Requirement Introduction to key issues associated with the use of information systems and technology in organizations. This course examines how information resources are integrated to provide working information systems designed to support organizational operations and decision making. This includes an introduction to tools and techniques used in information systems analysis and design, and a review of alternative approaches to systems development. Emphasis is placed on how to adopt, use, and manage information technology to gain a comprehensive advantage. Cases will be used to cover a wide range of issues.

MGSC3103

PROCUREMENT & SUPPLY MANAGEMENT

Credits: 3

Prerequisite:

MGSC2103, MGSC2104

Procurement and Supply Management involves purchasing and acquisition of goods and services for the essential purpose of distribution through several and often times, complex channels to the supplier, facilitators, stakeholders, and ultimately across to the end user. Through diverse teaching methods, this course aims to enable students to understand the workings and complexities involved in the procurement and supply of these goods across a global network.

MGSC3104

LOGISTICS & TRANSPORTATION

Credits: 3

Prerequisite:

MGSC2103, MGSC2104

This course concentrates on the infrastructure and facilities which enable the logistical systems required for the unencumbered distribution of goods, services, and information. The course will focus on a wide range of issues surrounding transportation, facilities management, inventory, information systems, order processing, and customer satisfaction among others. Through diverse teaching methods, this course aims to enable students to understand the workings and complexities involved in the global sourcing of these goods across an international network.

MGSC3108

OPERATIONS MANAGEMENT

Credits: 3

Prerequisite:

MGSC2103 and MGSC3101.

Exclusions:

Unavailable to students with credit for BUSS284.

This course provides a general introduction to operations management (OM). OM is the management of processes or systems that create goods and/or provide services. This course provides students who aspire to be future managers with tools, language, concepts, and insights about relevant operations problems and issues to gain competitive advantage through operations. Specifically, students will be exposed to aspects of business management dealing with sales and service support, service delivery, customer help lines, product development, and total quality management.

MGSC4101

GLOBAL SOURCING

Credits: 3

Prerequisite:

MGSC3103

Global sourcing involves the practice of sourcing for goods and services from the global market and across geopolitical boundaries. All the attendant challenges including the risk of the loss of intellectual property rights, different legislations and tax regimes, quality control, culture, language barrier, damage control and the integration of these various aspects of logistics and transportation will be examined. Through diverse teaching methods, this course aims to enable students to understand the workings and complexities involved in the global sourcing of goods across an international network.

MGSC5101

INFORMATION SYSTEMS FOR MANAGEMENT

Credits: 3

Prerequisite:

Prerequisites: MGSC 2101

Note:

Entered: September 21, 2018 SML

Introduction to key issues associated with the use of information systems and technology in organizations. This course examines how information resources are integrated to provide working information systems designed to support organizational operations and decision making. This includes an introduction to tools and techniques used in information systems analysis and design, and a review of alternative approaches to systems development. Emphasis is placed on how to adopt, use, and manage information technology to gain a comprehensive advantage. Cases will be used to cover a wide range of issues.

MGSC5106

DATABASE CONCEPTS

Credits: 3

Prerequisite:

Prerequisites: MGSC2101 (or permission of Dean)

Note:

Updated Course Description and Prerequisites on March 1, 2019. SML

Students taking this course will be introduced to the fundamental concepts of designing, implementing, and managing databases. The course offers an overview of database management with focus on the relational database model and associated emerging database technologies and concepts in database management. It includes hands-on lab sessions that would enable students gain practical experience in using, understanding, and implementing a relational database management system (RDBMS).

MGSC5108

STATISTICS

Credits: 3

Note:

Entered: September 21, 2018 SML

This is a course which introduces the student to basic probability concepts; descriptive measures; probability distributions, including the binomial and normal distributions and their properties; estimation; hypothesis testing; and linear regression and correlation.

MGSC5111

BUSINESS ANALYTICS FUNDAMENTALS

Credits: 3

Prerequisite:

Prerequisites: MGSC 2101 (or permission of Dean)

Note:

Updated Course Description and Prerequisites on March 1, 2019. SML

This is an introductory course in business analytics that is designed to expose students to concepts and frameworks used in the subject. The course aims to equip students with the various approaches, techniques, and tools needed for understanding, exploring, and analyzing various types of business problems. Students will gain skills required to transform data into actionable intelligence and decision-making. The course provides hands-on experience in applying the concepts to solving real-life problems using relevant tools.

MGSC5113

QUANTITATIVE METHODS

Credits: 3

Prerequisite:

Prerequisites: MGSC 5108

Note:

Entered: September 21, 2018 SML

Introduces students to quantitative tools available for business decision making, focusing on problem solving through model building. Topics include: decision theory including decision trees, inventory models, linear programming and applications including sensitivity analysis, networking, forecasting and simulation.

MGSC5114

SUPPLY CHAIN MANAGEMENT

Credits: 3

Prerequisite:

Prerequisites: MGSC 2101

Note:

Entered: September 21, 2018 SML

This is an introductory course in Supply Chain Management. This course will examine how supply chain professionals actively operate at the center of the supply chain structure providing connectivity, managing relationships of all stakeholders who are linked in this chain through physical flows and information flows, and ensuring that the processes result in the effective distribution of goods from the manufacturer to the end user while safeguarding quality.

MGSC5118

STATISTICAL METHODS FOR BUSINESS ANALYTICS

Credits: 3

Prerequisite:

Prerequisites: MGSC5108

Note:

Updated Course Description and Prerequisites on March 1, 2019, by SML.

This course focuses on quantitative management decision-making process involving large, complex business problems. Students will learn the fundamental concepts and problem solving techniques that can be used to solve business decision problems in the context of big data, which is characterized by high volume, variety, and velocity. Changes from traditional data to big data require that managers learn to use data and information more effectively to better understand customers and markets, and to improve their products and services. Students in the course will learn to use relevant technologies to solve a variety of complex business problems.

MGSC5121

GLOBAL SOURCING

Credits: 3

Prerequisite:

Prerequisites: MGSC5114

Note:

Entered: September 21, 2018 SML

Global sourcing involves the practice of sourcing for goods and services from the global market and across geopolitical boundaries. All the attendant challenges including the risk of the loss of intellectual property rights, different legislations and tax regimes, quality control, culture, language barrier, damage control and the integration of these various aspects for logistics and transportation will be examined. Through diverse teaching methods, this course

aims to enable students understand the workings and complexities involved in the global sourcing of goods across an international network.

MGSC5122

DATA SECURITY & ETHICS

Credits: 3

Prerequisite:

Prerequisites: MGSC 5106

Note:

Updated Course Description and Prerequisites on March 1, 2019. SML

This course explores security and ethical issues surrounding data. Students will learn about data security, which looks at how data is protected and kept safe from corruption and breach. The course also covers data ethics concepts, which focuses on ethical concerns and problems posed by the collection, use, and analysis of large datasets. Information on fundamental concepts, terminologies, approaches, and models of data security and ethics will be learned. The course generally provides students with basic knowledge of ethically using and carefully safeguarding data in a changing world.

MGSC5123

PROCUREMENT & SUPPLY MANAGEMENT

Credits: 3

Note:

Entered: September 21, 2018 SML

Procurement and Supply Management involves purchasing and acquisition of goods and services for the essential purpose of distribution through several and often times, complex channels to the suppliers, facilitators, stakeholders, and ultimately across to the end user. Through diverse teaching methods, this course aims to enable students understand the workings and complexities involved in the procurement and supply of these goods across a global network.

MGSC5124

LOGISTICS & TRANSPORTATION

Credits: 3

Prerequisite:

Prerequisites: MGSC 5123, MGSC 5114

Note:

Entered: September 21, 2018 SML

This course concentrates on the infrastructure and facilities which enable the logistical systems required for the unencumbered distribution of goods, services, and information. The course will focus on a wide range of issues surrounding transportation, facilities management, inventory, information systems, order processing, and customer satisfaction among others. Through diverse teaching methods, this course aims to enable students understand the workings and complexities involved in the global sourcing of these goods across an international network.

MGSC5125

PREDICTIVE MODELING & ANALYTICS

Credits: 3

Prerequisite:

Prerequisites: MGSC5108

Note:

Updated Course Description and Prerequisites on March 1, 2019. SML

The course teaches how data is translated into meaningful, usable business information for organizations. It explores the science of the underlying algorithms, principles as well as best practices that govern the art of predictive analytics. The core paradigms, i.e., classification and prediction that account for most business applications of predictive modeling are covered. The course offers advanced analytical methods, skills, tips and tricks that are essential for making sense of created and stored data in organizations. Hands-on examples and case studies are used in the course.

MGSC5126

DATA MINING

Credits: 3

Prerequisite:

Prerequisites: MGSC5106, MGSC5108

Note:

Updated Course Description and Prerequisites on March 1, 2019. SML

This course seeks to explore advanced concepts, techniques, and applications of business analytics, including data exploration, classification, association, and clustering. It covers new technologies and business practices used for the management of structured and unstructured data. The course focuses on identifying, evaluating, and capturing business analytics opportunities by leveraging a firm's business data in areas of such as market analysis, stock market transactions, text and web mining, and social media analytics. Students taking the course will understand practical data mining applications in modern business environments.

MGSC5127

DATA VISUALIZATION

Credits: 3

Prerequisite:

Prerequisites: MGSC 5106

Note:

Updated Course Description and Prerequisites on March 1, 2019. SML

The course explores the relationship between data analytics and data visualization, which is useful in generating powerful reports, data models, and dashboards. Students learn the fundamental concepts of data visualization and how it that can be used to make decisions and take action based on business data. Data visualization helps managers to better see and understand data. Tools such as Tableau and Excel will be used to prepare data and create visualizations.

MGSC5128

OPERATIONS MANAGEMENT

Credits: 3

Prerequisite:

Prerequisites: MGSC 5108

Note:

Entered: September 21, 2018 SML

This course provides a general introduction to operations management (OM). OM is the management of processes or systems that create goods and/or provide services. This course provides students who aspire to be future managers with tools, language, concepts, and insights about relevant operations problems and issues to gain competitive advantage through operations. Specifically, students will be exposed to aspects of business management dealing with sales and service support, service delivery, customer help lines, product development, and total quality management.

MGSC5183

STATISTICS II

Credits: 3

Prerequisite:

Prerequisites: MGSC 5108

Note:

The study of inferential statistics, including: hypothesis testing, Chi-square analysis, analysis of variance, simple regression and correlation, multiple regression, experimental design, non-parametric tests, time-series.

MICR2101

INTRODUCTORY MICROBIOLOGY

Credits: 3

Exclusions:

Unavailable to students with credit for MICR223 or BIOL223

Note:

removed pre-req march 29, 2016

Topics include the morphology and physiology of microorganisms, their role in the disease process and methods of control of microorganisms. This course can be applied to the Area of Major for Biology majors. Course includes lab component.

MICR3101

MEDICAL MICROBIOLOGY

Credits: 3

Prerequisite:

MICR2101 (formerly MICR223 and BIOL223) and a minimum of 3 credits Anatomy & Physiology.

Exclusions:

Unavailable to students with credit for MICR333

This course represents an examination of the myriad of microorganisms which are capable of causing human disease. Bacteria, fungi, viruses and protozoan, helminthic and arthropod parasites will be discussed in the context of their ability to cause disease. Topics will include transmission routes and vectors, portals of entry, spread and replication and host pathogen interactions. Discussions will be primarily classified according to body system involved at the clinical level or by the epidemiological pattern where more relevant.

MICR3103

ENVIRONMENTAL MICROBIOLOGY

Credits: 3

Prerequisite:

MICR2101 (formerly MICR223 and BIOL223).

Exclusions:

Unavailable to students with credit for MICR335 or BIOL335

An examination of the ubiquitous nature of microorganisms. The significance of microorganisms in aquatic, terrestrial, and other ecosystems. Examples and problems associated with microbial contamination of food are studied. Beneficial microbial activities such as waste degradation, fermentation and microbial insecticides will be discussed. Laboratory sessions deal with methods of identification, isolation and enumeration of various microorganisms of environmental significance. Course includes lab component.

MI KM1100

INTRODUCTION TO MI'KMAQ STUDIES

Credits: 6

Exclusions:

Unavailable to students with credit for MIKM100.

An overview of the major issues, actors, and events in the political and cultural development of the Mi'kmaq Nation.

MI KM1101

CONVERSATIONAL MI'KMAQ: BEGINNERS I

Credits: 3

Exclusions:

Credit can not be obtained for both MIKM1101 and MIKM211/ MIKM2113. Conversational Mi'kmaq for non-speakers Level I

Note:

Course added to AC on April 4, 2018

Conversational Mi'kmaq: Beginners I is the first level in the CBU Conversational Mi'kmaq Series. Conversational Mi'kmaq: Beginners I is designed for students who have no previous knowledge of the Mi'kmaw language. At the end of this course students should have acquired basic conversational Mi'kmaw language skills related to everyday expressions and introductions. The focus of this course is on basic comprehension of simple Mi'kmaw phrases and some beginning speaking skills. Students who are fluent in Mi'kmaq will not gain entrance to this class.

MI KM1102

MI'KMAQ/ENGLISH STRUCTURAL COMPARISONS

Credits: 6

Exclusions:

Unavailable to students with credit for MIKM190

The course deals with structural differences between English and Mi'kmaq and their implications for syntactic and semantic comprehension.

MI KM1103

CONVERSATIONAL MI 'KMAQ: BEGINNERS II

Credits: 3

Prerequisite:

Conversational Mi'kmaq: Beginners Or Permission of Instructor

Exclusions:

MIKM 213 / MIKM 2213 Conversational Mi'kmaq for non-speakers Level II

Conversational Mi'kmaq: Beginners II is the second level in CBU's Conversational Mi'kmaq Series. Conversational Mi'kmaq: Beginners II is designed for students who have a very basic Mi'kmaw language repertoire and exhibit only limited control of the Mi'kmaw language. Students entering Conversational Mi'kmaq: Beginners II can manage very short statements, can ask and answer simple questions and can link words or groups of words into simple phrases related to personal details. Students at this stage of Mi'kmaw language fluency may comprehend more language than they are able to utter. Students may have completed CBU's Conversational Mi'kmaq Series. Conversational Mi'kmaq: Beginners I course but, this is not mandatory. Students will be tested for their fluency level in Mi'kmaq before gaining admittance to this course.

MI KM1145

INTRODUCTION TO LINGUISTICS

Credits: 3

Exclusions:

Unavailable to students with credit for MIKM107, ANTH107 or COMM107.

Cross-listed with ANTH1101, COMM1107 An introduction to the scientific study of language. Topics include phonology, morphology, syntax, semantics and the heritage languages of Cape Breton (Mi'kmaq, French, Gaelic and English).

MI KM1161

INTRODUCTION TO INDIGENOUS STUDIES

Credits: 3

Exclusions:

Unavailable to students with credit for MIKM101

A multi-disciplinary course designed to acquaint students with contemporary North, Central, and South American indigenous peoples and issues. Indigenous film, literature and autobiographies are given special focus.

MIKM1167

INDIGENOUS ART OF NORTH AMERICA

Credits: 3

Exclusions:

Unavailable to students with credit for MIKM151 or FINA151.

Survey of native North American musical, visual and verbal art genres, also the origin of regional styles and the place of the artist in native life.

MIKM2101

CONVERSATIONAL MI'KMAQ: INTERMEDIATE I

Credits: 3

Prerequisite:

MIKM1103: Conversational Mi'kmaq: Beginners II or Permission of Instructor.

Conversational Mi'kmaq: Intermediate II is the fourth level in CBU's Conversational Mi'kmaq Series. Conversational Mi'kmaq: Intermediate II is designed for students who can understand, in Mi'kmaq, simple connected phrases on topics which are familiar or of personal interest and who can describe, in Mi'kmaq, experiences, events, dreams, hopes and ambitions at an intermediate level of fluency. During this course, students will learn to articulate, in Mi'kmaq, complex dialogues on concrete and abstract topics and to interact with a degree of fluency and spontaneity that makes regular interaction with first language Mi'kmaq speakers possible without strain for either party. Students may have completed CBU's Conversational Mi'kmaq: B1-Intermediate I course but, this is not mandatory. Students without this course will be tested for their fluency level in Mi'kmaq before gaining admittance.

MIKM2103

CONVERSATIONAL MI'KMAQ: INTERMEDIATE II

Credits: 3

Prerequisite:

MIKM2101: Conversational Mi'kmaq: B1-Intermediate I Or Permission of Instructor

Conversational Mi'kmaq: Intermediate II is the fourth level in CBU's Conversational Mi'kmaq Series. Conversational Mi'kmaq: Intermediate II is designed for students who can understand, in Mi'kmaq, simple connected phrases on topics which are familiar or of personal interest and who can describe, in Mi'kmaq, experiences, events, dreams, hopes and ambitions at an intermediate level of fluency. During this course, students will learn to articulate, in Mi'kmaq, complex dialogues on concrete and abstract topics and to interact with a degree of fluency and spontaneity that makes regular interaction with first language Mi'kmaq speakers possible without strain for either party. Students may have completed CBU's Conversational Mi'kmaq: B1-Intermediate I course but, this is not mandatory. Students without this course will be tested for their fluency level in Mi'kmaq before gaining admittance.

MI KM2106

INDIGENOUS MUSICS OF NORTH AMERICA

Credits: 3

Exclusions:

Unavailable to students with credit for MIKM255, ANTH255, or ETHM255

Cross-listed with ANTH2111, ETHM2311 This course will introduce students to a range of musical tradition from North America Indigenous communities, including nation specific (especially Mi'kmaq), inter-tribal and popular musics. The course focuses on the significance of music to various Indigenous peoples, examining its role in, for example, ritual, spiritual expression, healing, relationship, and dance. Students will also explore the relationship between music and identity, examining gender roles and nation-specific musical expressions. Students will learn basic music vocabulary in order to analyze and describe the characteristics of the music encountered.

MI KM2114

MI 'KMAQ FOR SPEAKERS: INTRODUCTION TO LITERACY I

Credits: 3

Exclusions:

Unavailable to students with credit for MIKM231

This course investigates the linguistic and historical bases of Mi'kmaq literacy. Students will learn to read and write Mi'kmaq in various orthographies (hieroglyphs, Rand, Pacifique, and Smith-Francis).

MI KM2120

MI 'KMAQ HISTORY

Credits: 6

Prerequisite:

HIST1100 or 6 credits in Humanities.

Exclusions:

Unavailable to students with credit for MIKM212 or HIST204.

Cross-listed with HIST2110 A culturally relative chronicle of significant aspects of Mi'kmaq culture from the pre-contact period to the present. Emphasis is placed on innovative methods of historical reconstruction.

MI KM2121

INTRODUCTION TO L'NU (MI'KMAQ) STUDIES

Credits: 3

Exclusions:

Students may not obtain credit for this course if they have previous credit for any of the following: MIKM100; MIKM1100; MIKM1701:51 Special Topics: Intro to Mi'kmaq Studies.

Note:

Added Feb 2, 2018 - BK

The Major goal of the course is to examine the major issues, actors and events in the political and cultural development of the L'nu society from pre/post contact history, governance, policy, spirituality and identity. In addition, students can expect to gain an understanding of L'un contributions to the local/provincial/regional/national and international spheres.

MI KM2140

LINGUISTIC ANTHROPOLOGY

Credits: 6

Prerequisite:

6 credits Introductory Anthropology and/or Sociology.

Exclusions:

Unavailable to students with credit for MIKM208, ANTH208 or HERT208.

Cross-listed with ANTH2100 An introduction to socio-cultural aspects of language's forms and functions as expressed in various cultures, including language's interplay with perception, gender and class. Focus will be on collection and documentation of language materials with emphasis on insider/outsider research. Mi'kmaq, Gaelic and Acadian materials are emphasized.

MI KM2215

MI'KMAQ FOR SPEAKERS: INTRODUCTION TO LITERACY II

Credits: 3

Prerequisite:

MIKM2114.

Exclusions:

Unavailable to students with credit for MIKM233.

This course builds on the skills of MIKM2114 and provides practise and remediation in the use of the Smith-Francis Mi'kmaq orthography.

MI KM2220

MI 'KMAQ GOVERNMENT

Credits: 6

Exclusions:

Unavailable to students with credit for MIKM240 or POLS240

Cross-listed with POLS2112. Examines the history of Mi'kmaq traditional leaderships. Indigenous self-governments in Canada will be used as a framework for discussion.

MI KM2222

ETHNICITY, "RACE", & NATIONALISM

Credits: 6

Prerequisite:

12 credits in Anthropology and/or Sociology.

Exclusions:

Unavailable to students with credit for MIKM350, AN/S294 or SOC0350.

Cross-listed with AN/S2230 This course examines the main approaches to the study of ethnic groups, the social construction of race and nationalist movements. The analysis of selected mass media materials will complement the theoretical part of the course, illustrating the influence of ethnicity, race and nationalism on contemporary culture.

MI KM2410

MI 'KMAQ SPIRITUALITY

Credits: 6

Exclusions:

Unavailable to students with credit for MIKM260.

This course presents an overview of the special way Mi'kmaq people have lived with Nature and God in Atlantic Canada. It attempts to make explicit the wisdom that is implicit in the Mi'kmaq consciousness and in what they have discovered about the meaning of being human. The focus is on both the Algonquian and Catholic consciousness that have developed an understanding of natural forces, a theory of ecological and human dignity, a spiritual solidarity with God, and a social order which respects sharing, hospitality, love of family and the processes of human development.

MI KM2704

SPECIAL TOPICS IN MI'KMAQ STUDIES

Credits: 3

MI KM271

SPECIAL TOPICS IN MI'KMAQ STUDIES

Credits: 3

MI KM2801

DIRECTED STUDY IN MI'KMAQ STUDIES

Credits: 3

MI KM3101

CONVERSATIONAL M'KMAQ: ADVANCED I

Credits: 3

Prerequisite:

MIKM2103 - Conversational Mi'kmaq: B2- Intermediate II Or Permission of Instructor

Conversational Mi'kmaq: Advanced I is the fifth level in CBU's Conversational Mi'kmaq Series. Conversational Mi'kmaq: Advanced I is designed for students who can articulate in Mi'kmaq complex dialogues on concrete and abstract topics and who can interact in Mi'kmaq with a degree of fluency and spontaneity. During this course, students will be using a wide range of demanding, longer discourse and will begin to recognise implicit meaning. Students will learn to express themselves fluently and spontaneously in Mi'kmaq without searching for expressions and to use language flexibly and effectively for social and professional purposes.

Students should be able to produce clear, well-structured, detailed discourse in Mi'kmaq on complex subjects, showing controlled use of linguistic organisational patterns, connectors and cohesive devices. Students may have completed CBU's Conversational Mi'kmaq: B2-Upper Intermediate course but, this is not mandatory. Students without this course will be tested for their fluency level in Mi'kmaq before gaining admittance.

MI KM3103

CONVERSATIONAL MI 'KMAQ: ADVANCED II

Credits: 3

Prerequisite:

MIKM3101 - Conversational Mi'kmaq: C1-Advanced I Or Permission of Instructor

Conversational Mi'kmaq: Advanced II is the sixth level in CBU's Conversational Mi'kmaq Series. Conversational Mi'kmaq: Advanced II is designed for students who can articulate in Mi'kmaq complex dialogues on concrete and abstract topics and who can interact in Mi'kmaq with a degree of fluency and spontaneity. Upon completion of this course, students should be able to understand with ease most of what they hear spoken in Mi'kmaq and should be able to summarise information from different spoken sources by reconstructing arguments and accounts in a coherent presentation. Students should be able to express themselves spontaneously, fluently and precisely in Mi'kmaq differentiating finer shades of meaning in more complex situations. Students may have completed the CBU's Conversational Mi'kmaq: C1-Advanced course but, this is not mandatory. Students without this course will be tested for their fluency level in Mi'kmaq before gaining admittance.

MI KM3108

CONFRONTING CANADIAN COLONIALISM

Credits: 3

MI KM3110

SELF & OTHER: ENCOUNTER, TRADITION, & TRANSFORMATION

Credits: 6

Prerequisite:

12 credits in Anthropology and/or Sociology

Exclusions:

Unavailable to students with credit for MIKM334, AN/S336 or ANTH333

Cross-listed with AN/S3210 Colonialism produced an enduring cultural legacy with a range of severe consequences for indigenous cultural reproduction and social organization. Europe also felt the drastic consequences of its own expansionism. How indigenous self-definitions and how traditions have been transformed, revitalized or created anew are the focus of this

course, which considers indigenous peoples in a global perspective covering the past 500 years

MI KM3120

ABORIGINAL AND TREATY RIGHTS IN THE CANADIAN CONSTITUTION

Credits: 6

Prerequisite:

MIKM1100 or permission of instructor.

Exclusions:

Unavailable to students with credit for MIKM340, HIST312 or POLS340.

Cross-listed with HIST3110 and POLS3110 The study of Mi'kmaq Aboriginal and treaty rights in Atlantic Canada. The issue of enshrining Aboriginal and treaty rights in S.25 and S.35 of the Constitution Act (1982) will be emphasized

MI KM3125

L'NU TREATY RIGHTS

Credits: 3

MI KM3126

L'NU TRADITIONAL GOVERNANCE

Credits: 3

MI KM3127

EARLY L'NU HISTORY

Credits: 3

MI KM3128

POST CONTACT L'NU HISTORY

Credits: 3

MI KM3140

MI 'KMAQ LINGUISTICS

Credits: 6

Prerequisite:

MIKM1145 and MIKM2114/2215

Exclusions:

Unavailable to students with credit for MIKM300.

Mi'kmaq Linguistics examines both the word formation (morphology) and the sentence (syntax) patterns common to the Mi'kmaw language. Attention is also paid to how Mi'kmaw words are used and organized within larger discourse such as stories and speeches. Students work on taped stories and speeches which were collected from Mi'kmaw speakers in the 1960's and 1970's.

MI KM3141

MI 'KMAQ LEXICOLOGY: THEORY

Credits: 3

Exclusions:

Unavailable to students with credit for MIKM321

Explores various theoretical approaches to dictionary construction for Algonquian languages such as Mi'kmaq.

MI KM3143

MI 'KMAQ LEXICOLOGY: APPLIED

Credits: 3

Prerequisite:

MIKM3141 or permission of instructor

Exclusions:

Unavailable to students with credit for MIKM323.

Cross-listed with ANTH3143 Students will conduct lexicological research on Mi'kmaq. Difficulties of capturing indigenous world views through English translation will be explored.

MI KM3245

LANGUAGE CONTACT, CHANGE, DEATH, & REVITALIZATION

Credits: 3

Exclusions:

Unavailable to students with credit for MIKM363, AN/S363 or HERT363

Cross-listed with AN/S3214 This course examines how languages change when in contact as well as the very serious process of language death, which is now happening on a global scale. Discussion also focuses on suggested solutions to the rapid loss of linguistic diversity. Languages such as Mi'kmaq and Cape Breton Gaelic are highlighted for analysis.

MI KM3313

MI 'KMAQ NOUNS AND VERBS

Credits: 3

Cross-listed with ANTH3103 This course examines the morphological structure of Mi'kmaq nouns and verbs. The complex internal word grammar of Mi'kmaw is explored, giving insight into the semantic categories of this endangered language.

MI KM3320

RACE RELATIONS IN NORTH AMERICA

Credits: 6

Prerequisite:

HIST1100 or 6 credits Humanities.

Exclusions:

Unavailable to students with credit for MIKM375 or HIST324.

Cross-listed with HIST3120 A history of the cultural interaction between whites, native Americans and blacks in North America from the period of exploration and first contact to the present. Seminar.

MI KM3424

NORTH AMERICAN ABORIGINAL LITERATURE

Credits: 3

Prerequisite:

ENGL1600 or 6 credits of ENGL at the 1000 level

Cross-listed with ENGL3424 An introduction to the songs and stories of pre-contact North American Aboriginal people, as well as the most recent flowering of writing in English over the last 30 years.

MI KM3705

SPECIAL TOPICS IN MI'KMAQ STUDIES

Credits: 3

MI KM3706

SPECIAL TOPICS IN MI'KMAQ STUDIES

Credits: 3

MI KM4100

CONTEMPORARY MI'KMAQ ISSUES

Credits: 6

Prerequisite:

MIKM1100 and 6 credits at the 2000 or 3000 level.

Exclusions:

Unavailable to students with credit for MIKM450.

Examines selected issues in contemporary Mi'kmaq society. The focus is on a critical analysis of the issues.

MI KM4107

INDIGENOUS PERSPECTIVES ON HEALTH & HEALING

Credits: 3

Prerequisite:

3RD AND 4TH YEAR NURSING STUDENTS

Note:

CROSS-LISTED WITH NURS4107

CROSS-LISTED WITH NURS4107 and SPAL4107 Indigenous peoples often experience greater health challenges and increased health disparities than non-Indigenous populations globally. Finding ways to enhance and expand the health and well-being of Indigenous populations through culturally-sensitive, culturally-appropriate, and culturally-safe healthcare should be a priority for those working in the healthcare sectors. This course will examine understandings of health and healing from a variety of Indigenous perspectives, with a specific focus on the Mi'kmaq of Cape Breton, in order to increase cultural awareness of how different Indigenous cultures understand and conceptualize wellness. This course will be framed around experiential hands-on learning opportunities, and will have a strong presence of guest speakers from various Indigenous perspectives and various health professionals. Planned activities are cultural talking circles, medicine walks, sweat lodges, Elder teachings, and tours of Mi'kmaq health centres on Cape Breton Island.

MI KM4800

DIRECTED STUDY IN MI'KMAQ STUDIES

Credits: 6

Requires a special arrangement between an individual student and a professor, endorsed by the Dean, to cover a topic unavailable in the regular course offerings. A student may take more than one such course for credit. See department chair for details.

MRKT1301

INTRODUCTION TO MARKETING

Credits: 3

Exclusions:

Unavailable to students with credit for BUSS231

A BBA core requirement. Examines the concept of markets, market studies, market segmentation, consumer behaviour and the development of marketing strategies. Text and case materials.

MRKT2301

CONSUMER BEHAVIOR

Credits: 3

Prerequisite:

MRKT1301.

Exclusions:

Unavailable to students with credit for BUSS232.

Explores the application of the social sciences in the decision-making process and what influences they should have in the development of marketing strategies. Field experiments, research techniques and current research.

MRKT2303

ADVERTISING & SALES PROMOTION MANAGEMENT

Credits: 3

Prerequisite:

MRKT1301.

Exclusions:

Unavailable to students with credit for BUSS233

An introduction which studies how consumer behaviour provides a base for paid communications as a management tool to accomplish marketing objectives.

MRKT3124

TOURISM MARKETING I

Credits: 3

Exclusions:

Unavailable to students with credit for BUSS393 or HATM361.

Geography as seen through the eyes of a travel professional. Emphasis is placed on the world's more popular destinations. A major project selected by students will form a large part of this course. An excellent opportunity to study about a place one would like to visit.

MRKT3301

MARKETING MANAGEMENT

Credits: 3

Prerequisite:

MGSC2101 and MRKT1301.

Exclusions:

Unavailable to students with credit for BUSS331

Note:

This course was removed as a CORE BBA Requirement in March of 2015

A study of the major decision areas of marketing from the viewpoint of the marketing manager. Utilizes text, labs, case materials and a computer simulation.

MRKT3303

INDUSTRIAL MARKETING

Credits: 3

Prerequisite:

MRKT1301

Exclusions:

Unavailable to students with credit for BUSS332

Deals specifically with business-to-business marketing from opportunity identification through the development of an appropriate marketing mix to the preparation of a strategic marketing plan. Course includes customer and product audits.

MRKT3304

MARKETING CHANNELS

Credits: 3

Prerequisite:

MRKT1301.

Exclusions:

Unavailable to students with credit for BUSS334.

The course focus is channel management: changes in purchasing behaviour warrant changes in the methods used to make goods/services available to the customer.

MRKT3307

PUBLIC RELATIONS MANAGEMENT

Credits: 3

Prerequisite:

MRKT1301.

Exclusions:

Unavailable to students with credit for BUSS339.

An introduction to public relations management which examines and provides an appreciation of the use of publicity as a management tool to accomplish corporate objectives and an understanding of public relations as a major component of corporate communications.

MRKT3309

TOURISM MARKETING II

Credits: 3

Exclusions:

Unavailable to students with credit for BUSS394.

An examination of the travel and tourism market from a research and development perspective.

MRKT4301

MARKETING RESEARCH I

Credits: 3

Prerequisite:

MGSC1108 and MRKT1301.

Exclusions:

Unavailable to students with credit for BUSS430 or MRKT4300

This course is designed to provide an overview of qualitative marketing research and its use in making effective marketing decisions. Students will learn (1) how to design research studies and assess whether the results are valid and meaningful, and (2) how to analyze and interpret market research data for marketing decision-making. Students will gain first-hand experience with a variety of qualitative research techniques.

MRKT4303

MARKETING RESEARCH II

Credits: 3

Prerequisite:

MGSC1108 and MRKT1301.

Exclusions:

Unavailable to students with credit for BUSS430 or MRKT4300

In this course, students will be guided through the conduct of a marketing research project. Using the research process, students will solve a marketing problem beginning with problem definition and ending with a formal report. Students will gain an appreciation for the value and conduct of marketing research and the steps involved, including the specification of the target market, questionnaire design and sampling methodologies. Students will also become proficient with some of the capabilities and interpretations of a more recent version of SPSS for Windows and will use the software to tabulate and interpret results.

MRKT4304

SALES AND SALES MANAGEMENT

Credits: 3

Prerequisite:

MRKT1301.

Exclusions:

Unavailable to students with credit for BUSS431.

Understanding the decision-making skills which are necessary for the operation of an effective sales organization.

MRKT4305

MARKETING FOR NON-PROFIT ORGANIZATIONS

Credits: 3

Exclusions:

Unavailable to students with credit for BUSS432

Marketing from a limited budget point of view with equal applicability to both profit and non-profit organizations.

MRKT4306

INTERNATIONAL MARKETING MANAGEMENT

Credits: 3

Prerequisite:

MRKT1301.

Exclusions:

Unavailable to students with credit for BUSS433

A study of world markets: assessment, socioeconomic, cultural and legal environments, research and development of international markets, global markets and complex multinational marketing programs.

MRKT4308

MARKETING STRATEGY

Credits: 3

Prerequisite:

MRKT1301 and MRKT3301

Exclusions:

Unavailable to students with credit for BUSS439

A study in the development of a strategic marketing plan and program which provides the foundation upon which marketing planning and implementation is based.

MRKT4309

SOCIAL MEDIA MARKETING

Credits: 3

Prerequisite:

MRKT1301 or permission of instructor.

Exclusions:

Unavailable to students with credit for BUSS447.

This course will provide students with an introduction to various aspects of social media marketing and online reputation management. Through a mixture of practical and theoretical work, students will learn how to develop strategy and implement social media campaigns effectively. Online tools to be explored include search engine marketing (SEM), email marketing, blogging, podcasts, online video, social networks, virtual worlds and social bookmarking.

MRKT4311

RETAIL MANAGEMENT

Credits: 3

Prerequisite:

MRKT1301 or permission of instructor.

Exclusions:

Unavailable to students with credit for BUSS456.

This course introduces students to the concepts, strategies, and trends associated with a retail operation in the Canadian marketplace. It explores the current retail environment and key retail management strategies from managing merchandise and employees, to advertising and promotion. The course incorporates environmental issues, including demographics, and economic and social issues into the discussion of retail operations. Key financial and profit formulas are also presented. The course involves both individual and group work and incorporates real-life case studies.

MRKT4313

SUSTAINABLE MARKETING

Credits: 3

Prerequisite:

MRKT1301 and MRKT3301.

Exclusions:

Unavailable to students with credit for BUSS457.

This course aims to provide a comprehensive framework for understanding how environmental problems influence sustainable marketing and management strategy in business and in the public sector. This course will analyze and reflect on the relationship between sustainable development (SD), marketing, and all affected stakeholders. Special attention is given to the areas of market communication, environmental strategy, product development, sustainable pricing, and purchase behaviour.

MRKT4314

NEW PRODUCT/SERVICE MARKETING AND DEVELOPMENT

Credits: 3

Exclusions:

Unavailable to students with credit for BUSS434.

New products and services are necessary to successful growth of most businesses. A major goal of this course is to help the student learn, using an analytic decision-making approach, how to develop and market new products and services which meet customer needs in the consumer, industrial, and service settings.

MRKT4605

ABORIGINAL CULTURAL TOURISM MARKETING

Credits: 3

Prerequisite:

MRKT1301 or permission of instructor.

Exclusions:

Unavailable to students with credit for BUSS467.

This will examine aboriginal cultural tourism products and destination marketing as a field of study, investigating concepts that apply to the development of tourist products and attractions. Students will examine marketing as it relates to product development, promotion and authenticity. Aboriginal cultural destination branding, destination sustainability and the opportunities and challenges facing this unique tourist offering in an increasingly competitive tourism marketplace will be explored.

MRKT4701

SPECIAL TOPICS IN MARKETING

Credits: 3

Prerequisite:

Academic regulations criteria and permission of the department.

Provides an opportunity to deepen studies in an area of marketing not available within the regular course offerings. See Dean or Department Chair for details.

MRKT5301

MARKETING

Credits: 3

Note:

Entered: September 21, 2018 SML

The course covers an overview of the marketing function, the role of marketing in society and its application within organizations. Examines the concept of markets, market studies, market segmentation, consumer behaviour and the development of marketing strategies.

MRKT5312

MARKETING RESEARCH

Credits: 3

Prerequisite:

Prerequisites: MGSC 5108

Note:

Updated Course Description and Prerequisites on March 1, 2019. SML

In this course, students will be guided through the conduct of a marketing research project. Using the research process, students will solve a marketing problem beginning with problem definition and ending with a formal report. Students will gain an appreciation for the value and conduct of marketing research and the steps involved, including the specification of the target market, questionnaire design and sampling methodologies. Students will also become proficient with some of the capabilities and interpretations of a more recent version of SPSS for Windows and will use the software to tabulate and interpret results.

MSIT1101

SENSE OF PLACE, EMERGENCE, & PARTICIPATION I

Credits: 3

Corequisite:

none, but intended to be taken concurrently with MSIT2101/2103

Exclusions:

Unavailable to students with credit for MSIT101/103

Mi'kmaw world view: This course will provide an opportunity for students to appreciate Creation and attain skills to restore the traditional thought of co-existence, recognizing that balance and harmony are embodied in First Nation's traditions, and that First Nation's perspectives on the environment reflect consciousness and therefore create attitudes. The Mi'kmaq language will be discussed, along with the spiritual ecology, mythical and environmental foundations of indigenous education (sensu Cajete). Western science: Discussion will focus on the brain basis of human consciousness, how "things" in the external environment are detected, the importance of pattern recognition by the brain, the occurrence of patterns in Nature, and the scientific pursuit to understand Nature's patterns. Insights into human consciousness as provided by the biophilia hypothesis, multiple intelligences theory and integral psychology will be mentioned.

MSIT1103

SENSE OF PLACE, EMERGENCE, & PARTICIPATION II

Credits: 3

Prerequisite:

none, but intended to be taken concurrently with MSIT2101/2103,

Exclusions:

Unavailable to students with credit for MSIT103.

Mi'kmaw world view: This course will provide an opportunity for students to appreciate Creation and attain skills to restore the traditional thought of co-existence, recognizing that balance and harmony are embodied in First Nation's traditions, and that First Nation's

perspectives on the environment reflect consciousness and therefore create attitudes. The Mi'kmaq language will be discussed, along with the spiritual ecology, mythical and environmental foundations of indigenous education (sensu Cajete). Western science: Discussion will focus on the brain basis of human consciousness, how "things" in the external environment are detected, the importance of pattern recognition by the brain, the occurrence of patterns in Nature, and the scientific pursuit to understand Nature's patterns. Insights into human consciousness as provided by the biophilia hypothesis, multiple intelligences theory and integral psychology will be mentioned.

MSIT2101

INTEGRATED SCIENCE AND WAYS OF KNOWING I

Credits: 3

Corequisite:

None, but intended to be taken concurrently with MSIT1101/1103.

Exclusions:

Unavailable to students with credit for MSIT201/203

Mi'kmaw world view: This course will provide an opportunity for students to appreciate that Spiritual connectedness is deeply embedded in First Nation's thought and that the Mi'kmaw world view is one pathway towards this understanding. Traditional ecological knowledge will be discussed, along with the visionary, artistic, affective and communal foundations of indigenous education (sensu Cajete). Western science: The importance of asking questions in the scientific pursuit to understand Nature will be discussed, along with the major questions asked by modern cosmology, physics, chemistry, geology and biology. Emphasis will be placed on the connectedness found within their answers, using a "parts and wholes" approach to understanding patterns in nature and in science.

MSIT2103

INTEGRATED SCIENCE AND WAYS OF KNOWING II

Credits: 3

Corequisite:

None, but intended to be taken concurrently with MSIT1101/1103.

Exclusions:

Unavailable to students with credit for MSIT201/203

Mi'kmaw world view: This course will provide an opportunity for students to appreciate that Spiritual connectedness is deeply embedded in First Nation's thought and that the Mi'kmaw world view is one pathway towards this understanding. Traditional ecological knowledge will be discussed, along with the visionary, artistic, affective and communal foundations of indigenous education (sensu Cajete). Western science: The importance of asking questions in the scientific pursuit to understand Nature will be discussed, along with the major questions asked by modern cosmology, physics, chemistry, geology and biology. Emphasis will be placed on the connectedness found within their answers, using a "parts and wholes" approach to understanding patterns in nature and in science.

MSIT2505

ECOSYSTEMS OF CAPE BRETON

Credits: 3

Exclusions:

Exclusions: Unavailable to students with credit for BIOL211 or MSIT211

MSIT is the Mi'kmaq word for 'everything together' and the MSIT courses are transdisciplinary science courses. The differences between MSIT and other science courses include the cultural context for the science concepts and the flexible, participatory approach to teaching and learning. In MSIT 2505 / BIO 2505, students will explore the major ecosystems of Cape Breton (Unama'ki) under the umbrella of Ecological Land Classification and the traditional knowledge of L'Nu (Mi'kmaq nation, indigenous to Eastern Canada). This course will be composed of approximately 24 classes over the fall term either with the Professor or as self-directed exercises (ie: readings and projects). As a science course, it will also have a separate lab/fieldwork section equivalent to approximately 3 hours per week to learn pertinent skills.

MSIT2505L

ECOSYSTEMS OF CAPE BRETON LAB

Credits: 0

MSIT3101

CYCLES & HOLISM I

Credits: 3

Prerequisite:

MSIT1101/1103 and MSIT 2101/2103, or permission of instructor. BIOL1101 and one of BIOL1601 or BIOL2501 recommended.

Exclusions:

Unavailable to students with credit for MSIT301/303.

Mi'kmaw world view: This course will explore First Nation's views on the cycles of life and life forms, with emphasis toward education as the tool to investigate and respect the cosmological forces that influence thought. Varieties of energy and energy forces in natural cycles and patterns will be discussed. Western science: Cycles, rhythms and transformations in nature will be discussed using a complex systems science approach (parts and wholes and evolutionary change). Examples will be drawn from various natural phenomena in internal and/or external environments, with special attention given to issues in Atlantic Canada.

MSIT3103

CYCLES & HOLISM II

Credits: 3

Prerequisite:

MSIT1101/1103 and MSIT 2101/2103, or permission of instructor. BIOL1101 and one of BIOL1601 or BIOL2501 recommended

Exclusions:

Unavailable to students with credit for MSIT301/303.

Mi'kmaw world view: This course will explore First Nation's views on the cycles of life and life forms, with emphasis toward education as the tool to investigate and respect the cosmological forces that influence thought. Varieties of energy and energy forces in natural cycles and patterns will be discussed. Western science: Cycles, rhythms and transformations in nature will be discussed using a complex systems science approach (parts and wholes and evolutionary change). Examples will be drawn from various natural phenomena in internal and/or external environments, with special attention given to issues in Atlantic Canada.

MSIT3105

PLANT ECOLOGY

Credits: 3

Prerequisite:

BIOL2501.

Exclusions:

Unavailable to students with credit for MSIT351

Cross-listed with BIOL3541 Western science: The study of Acadian forest systems will continue with an in-depth view of plant assemblages and the relationship to habitat, process, structure and function. Studies will be extended to the non-vascular plants. Relationships and differences between major plant divisions and plant-animal interactions will be considered. Emphasis will be placed on acquiring this knowledge in the field. Normally offered every other year.

MSIT4101

WHOLENESS I

Credits: 3

Prerequisite:

MSIT1101/1103, MSIT2101/2103 and MSIT3101/3103, or permission of instructor.

Exclusions:

Unavailable to students with credit for MSIT401/403

Mi'kmaw world view: This course will offer the belief instilled in First Nation's thought that everything comes from a single whole and that there is consistent change or flux. There are two kinds of changes (the coming together of things and the coming apart of things); both are necessary and all things are interrelated with everything connected. The four human aspects (mental, physical, emotional and spiritual) must be in balance and harmony for one to be whole and therefore healthy; this process is also evident in all of Creation. Western science: The concepts of wholeness and change will be discussed using the topics of health, healing and evolution at the organismal, population and ecosystem levels.

MSIT4103

WHOLENESS II

Credits: 3

Prerequisite:

MSIT1101/1103, MSIT2101/2103 and MSIT3101/3103, or permission of instructor.

Exclusions:

Unavailable to students with credit for MSIT401/403

Mi'kmaw world view: This course will offer the belief instilled in First Nation's thought that everything comes from a single whole and that there is consistent change or flux. There are two kinds of changes (the coming together of things and the coming apart of things); both are necessary and all things are interrelated with everything connected. The four human aspects (mental, physical, emotional and spiritual) must be in balance and harmony for one to be whole and therefore healthy; this process is also evident in all of Creation. Western science: The concepts of wholeness and change will be discussed using the topics of health, healing and evolution at the organismal, population and ecosystem levels.

MUSI 1100

INTRODUCTION TO MUSIC THEORY

Credits: 6

Exclusions:

Unavailable to students with credit for MUSI120

A study of the fundamental theoretical aspects of music.

MUSI 1101

EXPERIENCING MUSIC

Credits: 3

Exclusions:

Unavailable to students with credit for MUSI125, ETHM125 or FINA125.

This course introduces musical fundamentals such as pitch, rhythm, timbre, texture and other elements. By using a wide cross-section of world musics as exemplars, this course helps students to develop listening and music analysis skills. Students will be introduced to musics both familiar and unfamiliar, providing a culturally diverse musical environment in which to build their vocabularies for describing musical sound and performance. Through hands-on in-class activities and individual analysis assignments, students receive grounding in the basics of music theory and practice as it is relevant to musical traditions in many parts of the world.

MUSI 1103

INTRODUCTION TO MUSIC & CULTURE 1600-1800

Credits: 3

Exclusions:

Unavailable to students with credit for FINA102.

The periods to be studied will be late Renaissance, Baroque, Rococo, and Classical

MUSI 1104

INTRODUCTION TO MUSIC & CULTURE 19TH & 20TH CENTURIES

Credits: 3

Exclusions:

Unavailable to students with credit for FINA105.

Changing musical styles that developed in Western Europe between 1790 and 1914.

MUSI 1505

HISTORY & LITERATURE OF MUSIC I

Credits: 3

MUSI 1506

HISTORY & LITERATURE OF MUSIC II

Credits: 3

MUSI 2101

MUSIC & CULTURE

Credits: 3

Exclusions:

Unavailable to students with credit for MUSI201, ETHM201 or FINA201

CROSS-LISTED WITH AN/S 2711 -SPECIAL TOPICS F/W 2017 An introduction to the discipline of ethnomusicology, this course focuses on the issues confronting those who study music across cultures. Through the course, students discover the ways in which sounds, settings and significances interlock in diverse musical cultures. Through case studies and the major course assignment, students discover how fieldwork is done, including the process of participant observation, ethnographic interviewing, thick description and research ethics. In the process, broader issues in ethnomusicology are studied, such as movement across distances (e.g., migration), commercial and economic issues (e.g., recordings, tourism), ritual (e.g., religion, life cycle ceremonies) and politics (e.g., nationalism, protest). Each of these issues is discussed theoretically and then examined in several specific (and different) case studies involving music cultures from around the world.

MUSI 2105

PERFORMING CULTURE

Credits: 3

Note:

Added course description November 23, 2016

Cross-listed with COMM2105 and DRAM2105 This course introduces students to concepts in performance studies. Students will examine and engage with a selection of cultural practices with the goal of understanding how knowledge is transmitted through performative actions, including both "everyday" performance practices and formal performances such as music, ritual, sport, dance, and drama.

MUSI 2106

INTRODUCING DANCE

Credits: 3

Note:

description updated nov 23, 2016

Cross-listed with SPAL2106 This course introduces students to dance through praxis-based experience, by exploring the history and current state of dance as a form of creative expression and a variety of social, religious, artistic and cultural practices, and by investigation dance as it relates to other disciplines such as music and physical activity and sport. This course is designed for non-specialist but can also accommodate and support the development and learning of students with prior dance experience and expertise.

MUSI 2114

ETHNOGRAPHY & RESEARCH METHODS

Credits: 3

Exclusions:

FOLK1101

Cross-listed with FOLK2114 and ANTH2114 This course will prepare students to conduct ethnographic research and incorporate their research into their writing. Topics covered include the ethics of fieldwork, interview, transcription, field notes, participant observation, object documentation, the uses of photography and video, library and archive research, ethnographic writing, and alternative knowledge transfer. Objects of study include custom, material culture, verbal art, oral history, music and dance.

MUSI 2201

INTRODUCTION TO GAELIC SONG

Credits: 3

Exclusions:

Unavailable to students with credit for ETHM207, CELT207, FINA207 or FOLK207.

Cross-listed with FOLK2111 Studies the history of the Celtic music traditions with special emphasis on Scottish and Cape Breton musical traditions.

MUSI 2203

INTRO TO CELTIC INSTRUMENTAL MUSIC

Credits: 3

Exclusions:

Unavailable to students with credit for ETHM209, CELT209, FINA209 or FOLK209.

Cross-listed with FOLK2113 Studies the history of the Celtic music traditions with special emphasis on Scottish and Cape Breton musical traditions.

MUSI 2214

CELTIC DANCE

Credits: 3

Exclusions:

Unavailable to students with credit for ETHM213

Cross-listed with FOLK2261 Students will learn about social and solo dance forms from Scotland, Ireland and the new world diaspora. They will examine socio-cultural dance contexts (such as ceilidhs and competitions) and grapple with such issues as the impact of tourism on dance, dance as spectacle, invented dance traditions, changing dance traditions and contexts, intercultural influences, expressing identity through dance, and dance music. No dance background is required.

MUSI 2221

EARLY CANADIAN CELTIC MUSIC

Credits: 3

Exclusions:

Unavailable to students with credit for ETHM241, CELT241, FINA241, FOLK241 or HERT241.

Cross-listed with FOLK2107 This course is designed to introduce students to Celtic music in Canada prior to the 1970's from historical, cultural and musicological perspectives. Students will be introduced to musics from different Celtic cultures, a variety of Canadian regions, a range of musical styles and a number of significant musicians.

MUSI 2223

CONTEMPORARY CANADIAN CELTIC MUSIC

Credits: 3

Exclusions:

Unavailable to students with credit for ETHM243, CELT243, FINA243, FOLK243, or HERT243.

Cross-listed with FOLK2108 This course is designed to introduce students to Celtic music in Canada from the 1970's onward, using historical, cultural and musicological perspectives. Students will be introduced to music from different Celtic cultures, a variety of Canadian regions, a range of musical styles and a number of significant musicians.

MUSI 2251

SOCIAL HISTORY OF CELTIC MUSIC & DANCE

Credits: 3

Exclusions:

Unavailable to students with credit for ETHM231, CELT231, FINA231, FOLK231 or HERT231.

Cross-listed with FOLK2105 This course looks at the history and social context of Celtic music and dance. Themes include the influence of politics, religion, commercialism and gender, as well as processes such as modernization, popularization, codification and revival. Also covered are key individuals (musicians, composers and collectors) and important societies and institutions. The focus is mainly on the music and dance of Ireland, Scotland and Cape Breton Island, with some exploration of other Celtic regions. Topics are examined from a cross-cultural perspective. No prior musical knowledge is required.

MUSI 2301

ATLANTIC CANADIAN FOLK MUSIC

Credits: 3

Exclusions:

Unavailable to students with credit for ETHM203 or FOLK203.

Cross-listed with FOLK2403 This course examines a variety of vernacular musical traditions and will consider aspects such as performers, audiences, aesthetics, functions, history, venues, transmission and collection. The definition of folk music will be debated. Folk music collections will also be studied and questioned.

MUSI 2311

INDIGENOUS MUSICS OF NORTH AMERICA

Credits: 3

Exclusions:

Unavailable to students with credit for ETHM255, ANTH255 or MIKM255.

Cross-listed with ANTH2111, MIKM2106 This course will introduce students to a range of musical tradition from North America Indigenous communities, including nation specific (especially Mi'kmaq), inter-tribal and popular musics. The course focuses on the significance of music to various Indigenous peoples, examining its role in, for example, ritual, spiritual expression, healing, relationships and dance. Students will also explore the relationship between music and identity, examining gender roles and nation-specific musical expressions. Students will learn basic music vocabulary in order to analyze and describe the characteristics of the music encountered

MUSI 2401

POPULAR MUSIC & CULTURE: 1890 TO 1950

Credits: 3

Exclusions:

Unavailable to students with credit for, ETHM227, ETHM121, FINA227, FINA121, FOLK227, FOLK121, MUSI227 or MUSI121.

Cross-listed with FOLK2501 This course traces the development of popular song in North America from its earliest forms, up to the development of rock and roll in the 1950's. Through topics such as parlour song, minstrelsy, jazz, country, swing and blues, the social, economic and technological forces that shaped popular song are explored in depth. The interrelationship between North American popular music and the diverse immigrant communities that helped create it is analyzed.

MUSI 2403

POPULAR MUSIC & CULTURE:1950 TO PRESENT

Credits: 3

Exclusions:

Unavailable to students with credit for ETHM229, FINA229, FOLK229 or MUSI229.

Cross-listed with FOLK2503 A continuation of Popular Music and Culture I, this course surveys the development of British and North American popular song between the 1960's and the 2000's. In addition to profiling the key performers, genres, businesses and texts from the past 40 years, students are introduced to the many issues that make popular music so compelling: its role in politics, social identity, economic shifts and the technological changes. The sound and history of the music are connected to the prevailing social and cultural climate of each decade.

MUSI 2408

ROOTS MUSIC & ACOUSTIC POP

Credits: 3

Cross-listed with FOLK2411 This course surveys different artists and genres which are covered under the umbrella of folk or roots music in the North American context, including but not limited to traditional country, blues, gospel, folk revival, folk-rock, zydeco, and bluegrass. The ways in which these roots styles are used to construct authenticity, advance political causes, and create or maintain cultural identities of various kinds, are explored, as are themes such as anti-modernism, "acousticity," and revivalism.

MUSI 2409

HISTORY & DEVELOPMENT OF THE SINGER -SONGWRITER

Credits: 3

Cross-listed with FOLK2409 This course surveys some of the key singer-songwriters of the past 80 years, examining the musical, social, economic and cultural meanings that have been developed by different singer-songwriter archetypes. The singer-songwriter's birth in the folk revivals of the 1930's and 1960's is surveyed. The different aesthetic and ideological purposes singer-songwriters have served, from grass-roots populism, to politically-conscious activism, to individualistic/personal revelation, to art-pop convergences, are addressed. The reshaping of singer-songwriter through different genre categories (folk, blues, rock, country, alternative) is assessed.

MUSI 2411

POPULAR MUSIC ENSEMBLE

Credits: 3

MUSI 2601

MUSIC THEORY FOR POPULAR SONG

Credits: 3

Prerequisite:

MUSI1101 and the equivalent of Royal Conservatory Grade 2 Rudiments. Instructors will assess students' musical theory background in the first class.

This course looks at musical practices that are used in pop, rock, jazz, soul, singer-songwriter and other forms of mass-mediated popular music. Through listening, analysis, and composition exercises, students will discover rhythmic styles (metrical structures, groove, syncopation, etc.,) tonal, modal and harmonic techniques (harmonization, tonicization, modulation), melody writing and song forms. This course also introduces students to contemporary approaches to arrangement and layering in song textures. Exercises will include musical analysis, transcripts and the composition of original music based on the concepts taught.

MUSI 2603

MUSIC THEORY FOR VERNACULAR MUSIC

Credits: 3

Prerequisite:

MUSI1101 and the equivalent of Royal Conservatory Grade 2 Rudiments. Instructors will assess students' musical theory background in the first class.

This course explores melody, ornamentation, modality, harmony, rhythm, metrical structures and form from the perspective of North American vernacular musics, including folksong, work song, fiddle traditions, vernacular hymn singing and the blues. Students will delve deeper into the concepts taught in Experiencing Music (MUSI1101), and will analyze specific musical examples, transcribe musics, and compose their own songs and tunes. Students will

develop notation skills and hand calligraphy through class and homework assignments.

MUSI 2604

UNDERSTANDING THE MUSIC INDUSTRY

Credits: 3

Note:

Course description added Nov 10, 2016

This course surveys the structure and history of the modern Anglo-North American music industry from a social science perspective. The course explores the roles played in the industry by artists, sound production, management, promotion, marketing, publishing, distribution, and media outlets. Special attention will be given to the ways that recent digital media have affected the industry, particularly for regional and independent music entities.

MUSI 2605

COMPOSITION & SONGWRITING

Credits: 3

Prerequisite:

Minimum level of music literacy (Grade 2 RCM or equivalent) or permission of the instructor.

Note:

Course description added November 10, 2016

This course introduces strategies and skills for composing tunes, songs, and multi-part arrangements. Students will acquire these skills through exercises in composition, improvisation, and arrangement, as well as musical analysis and discussion of selected readings.

MUSI 2704

SPECIAL TOPICS IN MUSICOLOGY

Credits: 3

MUSI 2911

CAPE BRETON FIDDLE MUSIC

Credits: 3

Prerequisite:

Students must already be able to play fiddle or suitable Celtic instrument: assessment by instructors is required for enrolment.

Exclusions:

Unavailable to students with credit for MUSI251, CELT251, ETHM251, or FINA251. This course will be offered every second year.

This performance course will emphasize instruction in the Cape Breton fiddle tradition. Basic performance competency is required and will be assessed during the first class.

MUSI 2913

FIDDLE MUSIC FOR DANCING

Credits: 3

Prerequisite:

Students must already be able to play fiddle or suitable Celtic instrument: assessment by instructors is required for enrollment.

Exclusions:

Unavailable to students with credit for MUSI253, CELT253, ETHM253, or FINA253.. This course will be offered every second year.

This course will emphasize instructions in the use of Cape Breton fiddle music performance in the dance tradition. Piano accompaniment will be a feature of this course.

MUSI 2915

EVOLUTION OF THE CAPE BRETON FIDDLE STYLE

Credits: 3

Prerequisite:

Students must already be able to play fiddle, or suitable Celtic instrument: assessment by instructors required for enrolment NOTE: This course will be offered every second year.

Note:

This course will be offered every second year.

This course will introduce fiddlers to the development of the Cape Breton fiddle style by studying significant Cape Breton fiddlers, cultural influences (e.g., Irish, Acadian, America), the piping influence, and/or the impact of the Gaelic language on musical trends.

MUSI 2917

CAPE BRETON FIDDLE COMPOSERS

Credits: 3

Prerequisite:

Students must already be able to play fiddle or suitable Celtic instrument; assessment by instructors required for enrolment. NOTE: This course will be offered every second year.

Note:

This course will be offered every second year.

This course will introduce fiddlers to major Cape Breton fiddle composer (e.g., Dan R MacDonald, Donald Angus Beaton, Dan Hugh MacEachern) and their repertoire. Students will learn to identify stylistics and compositional techniques associated with particular composers as well as features that make tunes more appropriate for listening or dancing.

MUSI 3101

MUSICS OF THE WORLD

Credits: 3

Prerequisite:

Any 6 credits in ETHM except performance courses

Exclusions:

Unavailable to students with credit for MUSI205, MUSI305, ETHM205, or ETHM305.

This course provides in-depth study of a small number of non-Western musics, each studied during its own module. Music offers, in many ways, a window on society, giving us the opportunity to see how music is defined, how it is evaluated, how it is made and performed and its role within a given community. Music can be studied as a reflection of society, mirroring social and political structures, gender relations, cultural values, religious beliefs and other aspects. However, music is also an active force in the creation of society, as when it is used for protest purposes or to call upon a deity to change the community's circumstances. Students will discover how music is more than entertainment in many cultures and is instead a form of human expression that is a meaningful aspect of daily life.

MUSI 3106

LA CHANSON TRADITIONNELLE EN AMÉRIQUE FRANÇAISE

Credits: 3

Crosslisted with FOLK3106 and FRNC3106. An introduction to French traditional folk song in North America with an emphasis on its evolution in Acadia, Quebec and elsewhere in French Canada, as well as Louisiana. Students enrolled in the course as FRNC3106 must write their assignments in French. Students registered as MUSI or FOLK have the option to write their assignments in English or French.

MUSI 3108

ARTS MANAGEMENT IN THE CREATIVE ECONOMY

Credits: 3

Prerequisite:

6 credits of DRAM or MUSI, or permission of the instructor.

Note:

added nov 29, 2016

Cross-listed with DRAM3108 This course introduces the range of organizational structures that artist and small arts groups employ, discusses approaches to marketing and publicity in the arts, and familiarizes learners with funding sources in Canada and with grant writing principles.

MUSI 3301

REVIVALS & SURVIVALS: STUDYING FOLK SONGS & TRADITIONAL MUSIC

Credits: 3

Prerequisite:

6 credits of ETHM/MUSI/FOLK (except performance courses)

Cross-listed with FOLK3301 CBU's programs in Folklore and Ethnomusicology specialize in folk and traditional music. Drawing on literature from both disciplines, as well as others, this course explores the study of this music. What exactly is folk music? Who defines it, on what basis, and with what effects? Who creates it and why? How does it travel through space and time, and how does it change as it does so? What is the value of this music and why should it be studied?

MUSI 3511

POPULAR MUSICS OF THE WORLD

Credits: 3

Prerequisite:

Any 6 credits in ETHM, MUSI, or FOLK except performance courses.

Exclusions:

Unavailable to students with credit for MUSI321, ETHM321 or FOLK321

Cross-listed with FOLK3511 This course focuses on popular musics from outside the North American and British mainstream. Students will grapple with various issues relating to global popular musics, including how they circulate the world and what happens as a result of transcultural contact, how "world music" has been constructed and consumed in the West,

issues of intellectual property and ownership, language choice and the role and modes of mass media.

MUSI 3601

CULTURAL TOURISM: MUSIC, HERITAGE & THE EXOTIC

Credits: 3

Prerequisite:

Any 6 credits ETHM/MUSI/FOLK except performance courses

Cross-listed with FOLK3601 Cultural tourism is an increasingly popular type of tourism globally. But what kind of culture is privileged and what kind of culture is avoided in tourism contexts? How does culture get staged? Do tourists experience "kitsch" or "authentic" culture? How is authenticity defined? How does the tourist context affect traditional cultural expressions and beliefs within a community? This course analyzes the "culture" in cultural tourism with an emphasis on the role of music in cultural tourism.

MUSI 3603

CULTURE, FOLK & MUSIC FESTIVALS: IDENTITY ON DISPLAY

Credits: 3

Prerequisite:

6 credits of ETHM/MUSI/FOLK (except performance courses)

Note:

This course will be offered every second year.

Cross-listed with FOLK3603 Note: This course will be offered every second year. Festivals are hugely popular around the world. They provide the means for communities to showcase that which makes them unique and identifiable, including their music, food, dress, dance, and artwork. Festivals provide the opportunity to celebrate culture and identity for local residents while providing a cultural entry point for tourists. In this course, students consider festivals from a variety of perspectives, such as ritual, the carnivalesque, revivals, nationalism, identity, gender, and sexuality.

MUSI 3605

ADVANCED THEORY & ANALYSIS

Credits: 3

Prerequisite:

MUSI2603 Music Theory for Vernacular Music or MUSI2601 Music Theory for Popular Song.

For the more advanced music student, this course looks at concepts such as voice-leading,

tonicization, modulation, chord substitution and other techniques used by musicians in the classical, popular and jazz traditions. The course also explores formal analysis, looking at how musical form provides coherence in both small-scale and large-scale forms. Reading and analyses by leading-edge theorists working with classical, vernacular and popular music will help students to see the issues that arise when thinking about musical process and structures across genres. Assignments will include analysis, harmonization, and voice-leading exercises as well as a longer, in-depth analysis paper.

MUSI 3608

MUSIC & PROTEST

Credits: 3

Prerequisite:

6 credits of MUSI (except performance courses) FOLK or POLS.

Exclusions:

FOLK308

Cross-listed with POLS3155 and FOLK3608 Social protest and activism are profoundly important parts of modern society, and music offers a potent means of articulating, organizing, and shaping collective efforts to challenge the status quo. In this course, we explore music in an integral dimension of human behavior with the power to move masses, to change society, and to be a weapon of political power.

MUSI 3613

MUSIC & NATIONALISM

Credits: 3

Prerequisite:

Any 6 credits of ETHM/MUSI course (except performance); and/or a Political Science course.

Exclusions:

Unavailable to students with credit for ETHM369, FINA369 or POLS369

Cross-listed with POLS3154 This course examines how music can be a potent tool for both building nations and critiquing them. Music can express national identities, narrate national myths, and mark national borders, but it can also critique, deconstruct, and transgress. While many find it easy to accept that music reflects social beliefs and values, in this course we explore how music can be actively used to shape national ideas, principles and standards.

MUSI 3704

SPECIAL TOPICS IN MUSICOLOGY

Credits: 3

MUSI 3801

DIRECTED STUDY IN MUSICOLOGY

Credits: 3

Requires a special arrangement between an individual student and a professor, endorsed by the Dean, to cover a topic unavailable in the regular course offerings. A student may take more than one such course for credit. See department chair for details.

MUSI 3921

PIANO PERFORMANCE

Credits: 1

MUSI 3931

INSTRUMENTAL PERFORMANCE

Credits: 1

Note:

This course is worth 1 credit ONLY. To count towards a degree, a student will need to take at least two other 1-credit courses.

Note: This course is worth 1 credit ONLY. To count towards a degree, a student will need to take at least two other 1-credit courses. This course label encompasses a range of styles relevant to an instrument not represented by other performance course codes; a particular style and instrument will be offered depending on the instructor and expertise available (e.g., Irish flute/whistle, Celtic accordion, Mi'kmaq powwow music) and may vary from year to year. The course provides group instruction in traditional music performance for students who already have intermediate performing abilities. A student may take more than one such course for credit so long as a different instrument and/or style is represented by each credit. Basic performance competency is required and will be assessed during the first class.

MUSI 3941

DANCE PERFORMANCE

Credits: 1

This course label encompasses a range of dance styles; a particular style will be offered depending on the instructor and expertise available (e.g., Cape Breton step dance, Ottawa Valley step dance, Highland dancing) and may vary from year to year. The course provides group instruction in traditional dance performance. A student may take more than one such

course for credit so long as a different dance style is represented by each credit. Note: This course is worth 1 credit ONLY. To count towards a degree, a student will need to take at least two other 1-credit courses.

MUSI 3951

VOCAL PERFORMANCE

Credits: 1

Note:

This course is worth 1 credit ONLY. To count towards a degree, a student will need to take at least two other 1-credit courses.

Note: This course is worth 1 credit ONLY. To count towards a degree, a student will need to take at least two other 1-credit courses. This course label encompasses a range of vocal styles; a particular style will be offered depending on the instructor and expertise available (e.g., choir, Gaelic song, Acadian song, Mi'kmaq song) and may vary from year to year. The course provides group instruction in song performance. A student may take more than one such course for credit so long as a different type of song or vocal style is represented by each credit.

MUSI 4751

SPECIAL TOPICS: SASS: INTERDISCIPLINARY SEMINAR

Credits: 3

MUSI 4753

SPECIAL TOPICS: SASS: INTERDISCIPLINARY SEMINAR

Credits: 3

MUSI 4754

SPECIAL TOPICS: SASS: INTERDISCIPLINARY SEMINAR

Credits: 3

MUSI 4900

HONOURS THESIS IN MUSICOLOGY

Credits: 6

NASC1120

NATURAL SCIENCE

Credits: 6

Exclusions:

Unavailable to students with credit for NASC120.

Satisfies the BA Group 5 core requirement and may also be used in a Philosophy concentration or major. An introduction to the history, methodology, and moral implications of science and technology.

NRSG0201

TRANSITIONING TO THE ROLE OF A PROFESSIONAL REGISTERED NURSE

Credits: 3

This course is delivered collaboratively with St. Francis Xavier University.

NRSG0203

THE ROLES OF THE REGISTERED NURSE IN EVIDENCE-INFORMED PRACTICE

Credits: 3

This course is delivered collaboratively with St. Francis Xavier University.

NRSG1701

SPECIAL TOPICS IN NURSING

Credits: 3

NRSG2101

PROFESSIONAL FORMATION OF NURSING I

Credits: 3

NRSG2201

FOUNDATIONS OF NURSING I

Credits: 3



NRSG2201C

FOUNDATIONS OF NURSING I CLINICAL

Credits: 0



NRSG2203

FOUNDATIONS OF NURSING II

Credits: 3



NRSG2203C

FOUNDATIONS OF NURSING II CLINICAL

Credits: 0



NRSG2301

HEALTH & ILLNESS I

Credits: 3



NRSG2401

HEALTH PROMOTION & ASSESSMENT I

Credits: 3



NRSG2401C

HEALTH PROMOTION & ASSESSMENT I CLINICAL

Credits: 0

NRSG2403

HEALTH PROMOTION & ASSESSMENT II

Credits: 3

NRSG2403C

HEALTH PROMOTION & ASSESSMENT II CLINICAL

Credits: 0

NRSG2501

PATHOPHYSIOLOGY IN DIVERSE POPULATIONS ACROSS THE LIFESPAN

Credits: 3

NRSG2503

PHARMOCOTHERAPEUTICS & ALTERNATIVE THERAPIES

Credits: 3

NRSG2503C

PHARMOCOTHERAPEUTICS & ALTERNATIVE THERAPIES CLINICAL

Credits: 0

NRSG2901

NURSING PRACTICE INTEGRATION I: FOUNDATIONAL CONCEPTS IN NURSING

Credits: 3

NRSG2903

NURSING PRACTICE INTEGRATION II: CARE OF PERSONS & FAMILIES IN
TRANSITION

Credits: 3

NRSG3101

PROFESSIONAL FORMATION II

Credits: 3

NRSG3301

HEALTH & ILLNESS II

Credits: 3

NRSG3303

HEALTH & ILLNESS III

Credits: 3

NRSG3304

HEALTH & ILLNESS IV

Credits: 3

NRSG3501

NURSING RESEARCH METHODS

Credits: 3

NRSG3900

NURSING PRACTICE INTEGRATION III: ACUTE HEALTH CHALLENGES ACROSS THE LIFESPAN

Credits: 6

NRSG3902

NURSING PRACTICE INTEGRATION IV: NURSING PRACTICE OF PERSONS & FAMILIES EXPERIENCING CHRONIC ILLNESS

Credits: 6

NRSG4101

PROFESSIONAL FORMATION III

Credits: 3

NRSG4107

INDIGENOUS PERSPECTIVES OF HEALTH & HEALING

Credits: 3

NRSG4202

COMMUNITY MENTAL HEALTH II

Credits: 3

NRSG4352

EXPLORING CONCEPTS IN ONCOLOGY

Credits: 3

NRSG4353

MULTI-DIMENSIONAL ASPECTS OF CANCER

Credits: 3

NRSG4371

ADDICTIONS NURSING

Credits: 3

NRSG4372

MENTAL HEALTH NURSING

Credits: 3

NRSG4380

INTRODUCTION TO EPIDEMIOLOGY METHODS

Credits: 3

NRSG4381

PUBLIC HEALTH NURSING

Credits: 3

NRSG4471

EMERGENCY PREPAREDNESS

Credits: 3

NRSG4472

ACUTE & CRITICAL CARE NURSING

Credits: 3

NRSG4483

HOSPICE PALLIATIVE CARE

Credits: 3

NRSG4488

CHALLENGES IN AGING

Credits: 3

NRSG4490

FORENSIC NURSING

Credits: 6

NRSG4497

COMPUTERS IN NURSING

Credits: 3

NRSG4501

NURSING THEORY & PRACTICE SYNTHESIS

Credits: 3

NRSG4701

SPECIAL TOPICS IN NURSING

Credits: 0

NRSG4801

DIRECTED STUDY & PRACTICE IN NURSING

Credits: 3

NRSG4900

NURSING PRACTICE INTEGRATION V: SYNTHESIS OF PROFESSIONAL NURSING CONCEPTS

Credits: 6

NRSG4902

NURSING PRACTICE INTEGRATION IV: TRANSITION TO NURSING PRACTICE

Credits: 15

NURS1101

CONCEPTUAL MODEL FOR NURSING

Credits: 3

Exclusions:

Unavailable to students with credit for NURS105.

Focuses on nursing as a profession and its historical evolution to the present. Theoretical and philosophical bases of nursing are explored, with a focus on Orem's self-care theory. The role of the professional nurse is explored. Factors that influence contemporary nursing, such as legal and ethical issues, health care reform and changing health care priorities are discussed. This course introduces the philosophy and framework for nursing.

NURS1103

HEALTH PROMOTION & LEARNING

Credits: 3

Prerequisite:

NURS1101

Exclusions:

Unavailable to students with credit for NURS115.

Explores the concepts of health and wellness, health promotion, and learning within a framework of self-care theory. This course covers lifestyle issues and health behaviour within the context of the wider socio-cultural, economic, political and ecological issues which determine health. This course provides opportunities for students to reflect upon theories of health/wellness behaviour and its determinants and consequences; to develop interviewing and health assessment skills with a selected client; to develop skills in facilitating client learning about health and helping clients grow toward more positive wellness.

NURS1104

INTRODUCTION TO NURSING

Credits: 3

Prerequisite:

Prerequisite for nursing practice component: NURS1104.

Exclusions:

Unavailable to students with credit for NURS125.

Provides a foundation for nursing practice with an introduction to the theory and practice of nursing skills and techniques. The nursing process and Orem's theory of self-care are used as organizing frameworks for the course. The focus is on selected skills appropriate to meet the needs of individuals with self-care deficits. Classroom instruction and supervised nursing practice are integral components of this course.

NURS1104P

NURSING PRACTICUM

Credits: 0

NURS2101

COMMUNITY HEALTH NURSING I: INTRODUCTION TO COMMUNITY

Credits: 3

Prerequisite:

All First Year Nursing courses with a passing grade/average of 65%.

Exclusions:

Unavailable to students with credit for NURS207

This course provides an introduction to community and the two distinct branches of

community health nursing: home health nursing and public health nursing. Major themes explored are: community assessment, working with older adults, group process, vulnerable groups, mental health and vulnerability, community health promotion and community health education. Community nursing practice assignments are an integral part of this course

NURS2103

FAMILY NURSING IN THE COMMUNITY

Credits: 3

Exclusions:

Unavailable to students with credit for NURS211

This course explores the role of the nurse in facilitating the health of families within communities. Major themes in this course include family theories, family assessment, family developmental stages, local and global trends and issues for childbearing and childrearing families and growth and development of the child within the context of family. Community resources for parents and children will be explored. Nursing practice assignments are an integral part of this course.

NURS2104

NURSING OF ADULTS I

Credits: 3

Exclusions:

Unavailable to students with credit for NURS237.

This course provides an introduction to the theory of nursing care of adults in the acute care hospital setting in relation to homeostasis and the pathophysiological changes of the body in response to problems pertaining to fluid and electrolyte imbalance, respiratory and cardiovascular function and Diabetes. Supervised lab practice is an integral part of this course.

NURS2105

PHARMACOLOGY IN NURSING

Credits: 3

Prerequisite:

Unavailable to students with credit for NURS255.

This course provides an overview of the basic science of drugs. The properties of major drug families will be reviewed via a prototype and an emphasis on basic pharmacological principles. The focus throughout this course will be on the application of knowledge to client care and client education. The acquisition of skills to understand medication prescriptions and accurately calculate drug dosages is an expected outcome. A passing grade in this

course is a prerequisite for NURS2990.

NURS2106

COMPREHENSIVE HEALTH ASSESSMENT

Credits: 3

Exclusions:

Unavailable to students with credit for NURS275.

This theory and practice course focuses on a systematic assessment of a client's health status and the normal functions and findings related to various body systems. The emphasis of practice is on developing the assessment skills necessary to implement a comprehensive examination of body systems for the purpose of identifying self-care requisites. A practicum is provided in a lab setting. Third-year courses focus on the nursing needs of the family and are organized around the developmental stages of the life cycle and various situational crises which a family may experience.

NURS2990

NURSING PRACTICUM I

Credits: 6

Prerequisite:

Successful completion of all level one and two year nursing courses to date and BIOL3200.

Exclusions:

Unavailable to students with credit for NURS250.

An intersession course (May - June) with learning experience in selected nursing practice settings in the community

NURS3100

LEGAL & ETHICAL ISSUES IN NURSING CARE

Credits: 6

Prerequisite:

All first and second year Nursing courses with a passing grade/avg. of 65%.

Exclusions:

Unavailable to students with credit for NURS330 or PHIL330. Available to non-Nursing students only with the permission of the instructor.

Cross-listed with PHIL3130 Examines the moral and ethical implications of various practices

in the field of health care as they affect human life and the basic dignity of the person. Also treats the moral, ethical, legal, and theological issues raised by recent developments in the life sciences

NURS3101

NURSING OF ADULTS II

Credits: 3

Prerequisite:

All first and second year Nursing courses with a passing grade/avg. of 65%.

Exclusions:

Unavailable to students with credit for NURS307

Nursing 3101 focuses on many health challenges encountered by adults resulting from problems originating in the hematological, peripheral vascular systems, gastrointestinal, hepato-biliary disorders, neurological disorders, gynecological disorders, renal tract disorders and renal failure, acute and chronic. Primary health care focusing on the needs of the population particularly related to health promotion and illness prevention will be explored.

NURS3102

NURSING RESEARCH METHODS

Credits: 6

Prerequisite:

All first and second year Nursing courses with a passing grade/avg. of 65%.

Exclusions:

Unavailable to students with credit for NURS310.

The course is designed to introduce students to the research process and to quantitative and qualitative research methods related to critical appraisal of nursing and health care literature. Emphasis is placed on the student's potential role as a generator of researchable questions, as a collaborator in research related to nursing practice and as an intelligent consumer of research. Concepts of research design, implementation, analysis and interpretation are studied in the context of the steps of the research process. The course requires students to become immersed in the language and culture of research and to understand the broader context within which nursing research is conducted. For students in nursing and nursing with advanced major.

NURS3103

NURSING OF CHILDREN

Credits: 3

Prerequisite:

All first and second year Nursing courses with a passing grade/avg. of 65%.

Exclusions:

Unavailable to students with credit for NURS315.

This course is based on the philosophy and principles of family-centred care, promotion of self-care for childbearing families, promoting family-centred social changes and family empowerment. Students will explore how children and families cope with illness in childhood and adolescence and what nursing interventions children and families find helpful. A wide range of pediatric illness conditions is presented. This course involves three hours of classroom time per week for 12 weeks and 12 hours of nursing practice per week for six weeks. The nursing practice has both an illness and wellness focus and utilizes both acute care and community settings.

NURS3104

MENTAL HEALTH NURSING

Credits: 3

Prerequisite:

All first and second year Nursing courses with a passing grade/avg. of 65%.

Exclusions:

Unavailable to students with credit for NURS345.

This course provides students with a comprehensive approach to mental health aspects of nursing practice. Topics include stigma and mental illness, anxiety, depression, psychosis, mania, mental health difficulties associated with food and eating, traumatic stress, substance and gambling dependency and dementia. Each issue will be considered from a socio-cultural, political, economic, historical and biophysical perspective. Students will explore principles of social justice as well as ethical and legal aspects of mental health care. The class is taught in a weekly three-hour workshop format which includes a broad variety of learning approaches. Nursing practice consists of 11 hours per week of mental health practice for a six week period during the term.

NURS3105

PERINATAL NURSING

Credits: 3

Prerequisite:

All first and second year Nursing courses with a passing grade/avg. of 65%.

Exclusions:

Unavailable to students with credit for NURS355.

This course is based on the philosophy and principles of family-centred health care, promotion of self-care for childbearing families, and promoting family-centred social changes and family empowerment. Students explore philosophical, cultural, physiological, psychological, and spiritual dimensions of childbirth, postpartum adaptation, lactation, and infant care. The focus of the course is on understanding normal, healthy perinatal and neonatal experience, with an introduction to understanding a range of perinatal and neonatal complications. This course involves six hours per week of classroom instruction for 12 weeks and 12 hours of nursing practice per week for six weeks.

NURS3106

NURSING RESEARCH METHODS

Credits: 3

Prerequisite:

NURS3107 and all first and second year Nursing courses with a passing grade/avg. of 65%.

Exclusions:

Unavailable to students with credit for NURS3102 or NURS310.

This course is designed to introduce students to the research process as it relates to nursing and other health disciplines. Concepts of research design, implementation, analysis and interpretation are studied in the context of the steps of the research process. The course requires students to become immersed in the language and culture of research and to understand the broader context in which nursing research is conducted. Emphasis is placed on the student's potential role as a generator of researchable questions, as a collaborator in research related to nursing practice and as an intelligent consumer of research.

NURS3107

INTRODUCTORY STATISTICS FOR NURSING & HEALTH

Credits: 3

Prerequisite:

NURS2990 and all first and second year Nursing courses with a passing grade/avg. of 50%.

Exclusions:

Unavailable to students with credit for NURS3102 or NURS310.

An introductory statistics course introducing the student to statistical principles with a nursing focus including descriptive statistics; measures of central tendency; probability distributions; populations, confidence interval, standard error; p-value and statistical inference; hypotheses testing; validity and linear regression and correlations. Examples and exercises will reflect Canadian nursing research

NURS4101

COMMUNITY HEALTH NURSING II: POPULATION FOCUSED APPROACH

Credits: 3

Prerequisite:

All first, second and third year Nursing courses with a passing grade/average of 65%.

Exclusions:

Unavailable to students with credit for NURS407.

This course explores population focused community health nursing practice. Major themes include: population health promotion, population focused nursing practice, public health nursing, populations with communicable and chronic diseases, epidemiology, immunizations, environmental health and disaster management. This course involves three hours per week of classroom instruction and 12 hours of nursing practice per week for six weeks.

NURS4103

NURSING OF ADULTS III

Credits: 3

Prerequisite:

All first, second and third year nursing courses, each with a minimum average of 65%.

Exclusions:

Unavailable to students with credit for NURS435.

Designed to provide the senior nursing student with opportunities to render comprehensive nursing care and explore concepts related to adults and older adults who are experiencing or at risk for, complex health problems such as palliative and end of life care, cancer care, musculoskeletal disorders and sensorineural disorders. Students participate in a variety of nursing practice experiences. This course involves three hours per week of classroom instruction for the term and 10-12 hours of nursing practice per week for six weeks.

NURS4104

NURSING OF ADULTS IV

Credits: 3

Prerequisite:

All first, second and third year nursing courses, each with a minimum average of 65%.

Exclusions:

Unavailable to students with credit for NURS445

A nursing practice and theoretical course designed to provide the senior nursing student with opportunities to render comprehensive nursing care and explore concepts related to adults

who are experiencing, or at risk for, complex health problems associated with endocrine disorders, chest and lower respiratory disorders, integumentary disorder burns and multisystem failure. Students participate in a variety of nursing practice experiences in several different settings. This course consists of six hours per week of classroom instruction for 6 weeks and 10-12 hours of nursing practice per week for six weeks.

NURS4105

TRENDS IN HEALTH CARE

Credits: 3

Exclusions:

Unavailable to students with credit for NURS491.

A senior nursing course which examines the evolution of health care as an organized service, with emphasis on the development of and challenges to, nursing education and practice. While its specific focus is the Canadian health care system, the course provides exposure to the international scene, particularly health conditions and needs in the developing world. The course is designed to facilitate independent inquiry. It involves the student in consultations and a search of relevant literature.

NURS4106

LEADERSHIP & RESEARCH IN NURSING

Credits: 3

Exclusions:

Unavailable to students with credit for NURS493.

Examines nursing theories, management models and leadership concepts and theories. Qualitative research methodologies are reviewed, with emphasis on their usefulness in exploring specific nursing problems. The focus throughout the course is the importance of the scientific foundations of nursing as a research-based practice.

NURS4107

INDIGENOUS PERSPECTIVES ON HEALTH & HEALING

Credits: 3

Prerequisite:

Third and Fourth year standing required.

Note:

cross-listing with MIKM and SPAL added August 24, 2016

CROSS-LISTED WITH MIKM4107 and SPAL4107 Indigenous peoples often experience greater

health challenges and increased health disparities than non-Indigenous populations globally. Finding ways to enhance and expand the health and well-being of Indigenous populations through culturally-sensitive, culturally-appropriate, and culturally-safe healthcare should be a priority for those working in the healthcare sectors. This course will examine understandings of health and healing from a variety of Indigenous perspectives, with a specific focus on the Mi'kmaq of Cape Breton, in order to increase cultural awareness of how different Indigenous cultures understand and conceptualize wellness. This course will be framed around experiential hands-on learning opportunities, and will have a strong presence of guest speakers from various Indigenous perspectives and various health professionals. Planned activities are cultural talking circles, medicine walks, sweat lodges, Elder teachings, and tours of Mi'kmaq health centres on Cape Breton Island.

NURS4801

DIRECTED STUDY & PRACTICE IN NURSING

Credits: 3

Prerequisite:

Permission of the Nursing Program Coordinator

Exclusions:

Unavailable to students with credit for NURS499.

This course requires application and testing of nursing knowledge as well as knowledge from related disciplines in a nursing practice setting of the student's choice (within the limits of available resources). The student selects a faculty advisor, as well as agency staff for consultation and supervision as appropriate.

NURS4990

NURSING PRACTICUM II

Credits: 6

Prerequisite:

Successful completion of all fourth year nursing courses

Exclusions:

Unavailable to students with credit for NURS450.

The nursing practicum assists the nursing student's transition to the graduate nurse's role. The practicum consists of two preceptored nursing practice experiences (408 hours) in practice settings of the student's choice based on their learning needs and interest. In addition, the nursing practicum will provide the student with an understanding the scope and roles of registered nursing. It is expected that during the nursing practicum experiences, student will demonstrate leadership, collaboration, advocacy and critical thinking with clients, members of health care teams and peers.

NUTR1101

COMMUNITY NUTRITION

Credits: 3

Exclusions:

Unavailable to students with credit for NUTR101

This course gives a broad overview of nutrition with a special emphasis placed on Cape Breton. Topics include the history, psychology, economics, sociology, elementary chemistry and elementary biology of nutrition. Includes discussion of ways good nutrition can be obtained economically.

NUTR2101

INTRODUCTION TO NUTRITIONAL ASSESSMENT OF DISEASE - THEORY

Credits: 3

Prerequisite:

3 credits in a university science (Biology, Chemistry, Geology, Nutrition, Psychology, Physics or Statistics) or permission of instructor.

Exclusions:

Unavailable to students with credit for NUTR205

Diseases discussed are of interest to the Aboriginal and broader Cape Breton community, as such diseases impact heavily upon those communities. Topics are types I and II Diabetes, heart disease (atherosclerosis), blood pressure, stroke and kidney disease. Each of these topics is dealt with in terms of pathology and elementary nutritional biochemistry, socioeconomic factors leading to the diseases, and nutritional and related socioeconomic approaches to be taken to avoid and treat these diseases, including dietary approaches available to those at risk and identification of Aboriginal and other Cape Bretoners at risk of these diseases.

NUTR2103

INTRODUCTION TO NUTRITIONAL ASSESSMENT OF DISEASE - APPLICATIONS

Credits: 3

Prerequisite:

NUTR2101 or permission of instructor

Exclusions:

Unavailable to students with credit for NUTR207.

Various blood and other body parameters relative to the diseases covered in NUTR 2101 will be measured and the impact of nutrition on some of those parameters assessed. A field survey will be designed, implemented and analysed by students to assess the socioeconomic and nutritional factors that govern the relative degree of risk of these diseases in a chosen

Cape Breton subpopulation. At the end of the course students will be able to understand the facets and importance of: a) Stated laboratory outcomes, b) Various biochemical measures, c) Experimental design and conduct and d) Data analyses and recommendations to be made to overcome risk of these diseases in Cape Breton. Course includes lab component.

NUTR2104

INTRODUCTION TO NUTRITION

Credits: 3

Prerequisite:

BIOL1101 and (CHEM1101 and 1103 or CHEM1104 and 1105) or permission of instructor.

Exclusions:

Unavailable to students with credit for NUTR261

This course conveys the fundamentals of the science of nutrition, emphasizing nutrients, their functions and dietary sources. It includes how the body handles the nutrients. Students will become familiar with recommended nutrient intakes as well as the interrelatedness of economics, culture, health and nutrition.

NUTR2105

APPLIED NUTRITION

Credits: 3

Prerequisite:

NUTR2104 or permission of instructor

Exclusions:

Unavailable to students with credit for NUTR263

This course emphasizes nutrition's role in health promotion and prevention and treatment of disease. Topics include nutritional health and food consumption trends in Canada, nutritional assessment, life-cycle nutrition, diet and chronic disease and nutritional intervention in various diseases. Alternate feeding methods and post-operative nutrition will be discussed.

NUTR2106

PRINCIPLES OF NUTRITION IN HUMAN METABOLISM

Credits: 3

Prerequisite:

NUTR2104 or permission of instructor.

Exclusions:

Unavailable to students with credit for NUTR265.

The topics (normal human metabolism in relation to life cycle, sports nutrition, consumer concerns about foods, hunger and global food issues) are of interest, in part, to students who plan to enter their third year of the Honours BSc in Human Nutrition program at St. Francis Xavier University. Other students interested in the health sciences would find the course to be very useful in developing their understanding of nutritional biochemistry. Offered every other year: Fall 2013 and Fall 2014.

NUTR2107

INTRODUCTION TO SPORT NUTRITION

Credits: 3

Prerequisite:

SPHK100/1100.

Cross-listed with SPKH2107 The six nutrient classes and their basic metabolism in healthy individuals are reviewed. These six nutrient classes and their metabolism are then explained in terms of training, competition and post-competition nutrition for maximising performance in specific sports covering the aerobic, anaerobic and interval spectrum (e.g. marathon running, sprinting, basketball, soccer, hockey). The interaction of diet and genetics in sports will be discussed. Finally, sources of information on sport nutrition will be noted and assessed for their reliability.

NUTR2108

INTRODUCTION TO NORMAL AND CLINICAL NUTRITION

Credits: 3

Prerequisite:

BIOL1101 and (CHEM1101 and 1103 or CHEM1104 and 1105) or permission of instructor. NUTR2108 is mandatory for nursing students in their third year of the BSc.N degree programme and as such nursing students must be accommodated first. Other students may be accommodated only after third year nursing students are registered.

Exclusions:

Students who have credit for NUTR2104 and/or NUTR2105 cannot be given credit for NUTR2108.

The six nutrient classes and their ingestion to excretion are introduced. Canada's food guide, food labelling, dietary reference intakes, and eating well on a limited budget are discussed and related to metabolism of the six nutrient classes. This is followed by nutrition interventions for, as relevant, pre- and post-onset management of diabetes, atherosclerosis (including atherosclerotic heart disease and stroke), hypertension, congestive heart failure, renal disease, gastrointestinal disease, surgery, burns, cancer, AIDS, arthritis, dermatitis, colitis, migraine, respiratory, ulcers, and pruritis. This course includes a laboratory.

NUTR2108L

INTRODUCTION TO NORMAL AND CLINICAL NUTRITION LAB

Credits: 0

NUTR3701

CURRENT TOPICS IN HUMAN NUTRITION

Credits: 3

Prerequisite:

NUTR2104 or permission of instructor.

Exclusions:

Unavailable to students with credit for NUTR361.

This course deals with current issues in human nutrition including osteoporosis, atherosclerosis, diabetes, cancer, arthritis, atopic dermatitis and physical activity. Other topics discussed are dietary reference intakes, genetically modified foods, world food supply, food labelling debates, the use of the Internet and successes and failures in current nutrition research. Normally offered every other year.

OPEN9986

UNSPECIFIED TRANSFER CREDIT

Credits: 6

PET00101

INTRODUCTION TO THE PETROLEUM INDUSTRY

Credits: 0

PET00103

A PRIMER OF HEALTH & SAFETY FOR PETROLEUM PROCESSING

Credits: 0

PETR1131

PETROLEUM PRODUCTION & PROCESSING

Credits: 3

Exclusions:

Unavailable to students with credit for PETR112.

Fundamental concepts of petroleum development from discovery techniques, production and processing, to transportation and marketing. Focus on east coast offshore oil and gas exploration and production.

PETR1161

DRILLING ENGINEERING

Credits: 3

Exclusions:

Unavailable to students with credit for PETR132

Designed to acquaint the petroleum engineering technology students with the techniques, equipment and engineering design considerations and calculations used in the oil and natural gas well drilling operations. Laboratories.

PETR2131

MARINE ENVIRONMENT PROTECTION, SAFETY, & LOSS CONTROL

Credits: 3

Exclusions:

Unavailable to students with credit for PETR221.

A study of the sources, characteristics, environmental effects and regulatory aspects of material/product control and the impact on the marine environment.

PETR2134

MATERIALS & EQUIPMENT DESIGN

Credits: 3

Exclusions:

Unavailable to students with credit for PETR350.

A study of the materials selection process for equipment used in gas and oil operations. Corrosion mechanisms and inhibition methods are covered. Codes, standards and applicable specifications are presented, along with their applications.

PETR2135

PRODUCTION ENGINEERING

Credits: 3

Exclusions:

Unavailable to students with credit for PETR380.

Designed to acquaint petroleum engineering technology students with the techniques, equipment, and engineering design considerations and calculations used in the oil and natural gas production operations. Laboratories and hands-on application employing petroleum engineering software packages that are popular in the industry.

PETR2161

RESERVOIR ENGINEERING

Credits: 3

Prerequisite:

GEOL2101 and ENGI1168

Exclusions:

Unavailable to students with credit for PETR211.

Examination of characteristics of hydrocarbon bearing reservoirs. Calculation of porosity and permeability, coring and core properties. Determination of hydrocarbon in place and reservoir drive mechanisms.

PETR2163

PETROLEUM PROCESS SIMULATION

Credits: 3

Exclusions:

Unavailable to students with credit for PETR310

Utilization of simulation software to model process operation and examine the effects of variation of process conditions. Equipment and process characteristics are emphasized.

PETR2164

ADVANCED PROCESS SIMULATION

Credits: 3

Prerequisite:

PETR2163.

Exclusions:

Unavailable to students with credit for PETR340.

Utilization of simulation software to model process operation and examine the effects of variation of process conditions. Concentration on unit operations and production variation models.

PETR2165

PETROLEUM PROJECT

Credits: 3

Exclusions:

Unavailable to students with credit for PETR370

A multidisciplinary course that involves the student to prepare a complete evaluation of a petroleum project including technical issues, regulatory issues, economic payback and presentation.

PETR2731

SELECTED TOPICS IN PETROLEUM

Credits: 3

Exclusions:

Unavailable to students with credit for PETR300

This course provides a forum for directed study on a number of issues and concerns within the petroleum industry. Faculty as well as guest lecturers from academia, industry and government, will address students on pertinent topics and developments. Site visits and visual presentations on student exercises will supplement these seminars.

PETR3101

PETROLEUM ECONOMICS & PROJECT MANAGEMENT

Credits: 3

Prerequisite:

ECON2101 or ECON2103

This course will introduce the student to Project Management with an accent on Economics for the Petroleum Industry. This course is tailored for the student desiring an understanding of the relationship between the energy sector and the wider economy. Topics to be covered include Risk Analysis, Project Management, Decision making, Procurement, Quality Management, Project software e.g. (MS Project), Planning, time management, and Netback calculations. Students will obtain the knowledge to determine if a well field is viable and sustainable in a constantly changing world market.

PETR3101L

PETROLEUM ECONOMICS & PROJECT MANAGEMENT LAB

Credits: 0

PETR3131

MANAGEMENT OF TECHNOLOGICAL INNOVATION I

Credits: 3

Exclusions:

Unavailable to students with credit for PETR426 or ENVI426

Cross-listed with ENVI3134 This course examines the process whereby a research and development invention is converted into a socially useful and commercially successful new product. Small and large companies are studied. Petroleum case studies. Matched with PETR3161

PETR3133

PROJECT DESIGN & EVALUATION TECHNIQUES

Credits: 3

Prerequisite:

PETR1131.

Exclusions:

Unavailable to students with credit for PETR446

This course requires the student to design, evaluate and present a petroleum project. The report will cover technical, operational, scheduling, regulatory and economic issues. A written and oral presentation of the study will be conducted.

PETR3134

CODES & SPECIFICATIONS IN THE PETROLEUM INDUSTRY

Credits: 3

Prerequisite:

PETR1131.

Exclusions:

Unavailable to students with credit for PETR447.

Examination and background information on code jurisdiction and interpretation of standards and specifications relevant to the petroleum industry. API, ASME, ANSI and CSA codes are included.

PETR3161

MANAGEMENT OF TECHNOLOGICAL INNOVATION II

Credits: 3

Exclusions:

Unavailable to students with credit for PETR427 or ENVI427.

Cross-listed with ENVI3165 This course examines the process whereby a research and development invention is converted into a socially useful and commercially successful new product. Small and large companies are studied. Petroleum case studies. Matched with PETR3131.

PETR3163

PROCESS CONTROL & OPTIMIZATION SYSTEMS

Credits: 3

Exclusions:

Unavailable to students with credit for PETR436.

Detailed examination of petroleum production characteristics and fluid properties. Study of measurement and interface equipment. Detailed simulation experiments with production and equipment variation.

PETR3164

DISTRIBUTED CONTROL SYSTEMS AND PROGRAMMABLE LOGIC CONTROLLERS

Credits: 3

Prerequisite:

PETR3163.

Exclusions:

Unavailable to students with credit for PETR437

Study of measurement, control and electronic interface equipment. Criteria for selection and implementation of DCS and PLC equipment.

PETR4101

HEALTH SAFETY & ENVIRONMENTAL ISSUES IN THE PETROLEUM INDUSTRY

Credits: 3

Prerequisite:

PETR3164 or ENVI3138

May be used as technical elective for the BET Environmental Studies programme. The course will focus on the prevention and remediation of the adverse environmental impacts of petroleum operations and the methods to avoid hazards associated with compromised health and safety standards. The course is given within the context of the Canadian regulatory environment and the health and safety standards within the petroleum industry. Some of the issues discussed are blow out prevention, fire and chemical hazards, oil spill prevention and clean up, hydrate formation and decomposition, toxic gases including H₂S, confined space entry, handling and safe transportation and disposal of petroleum wastes, environmental impact assessment, health safety and environmental within the petroleum industry.

PETR4101L

HEALTH SAFETY & ENVIRONMENTAL ISSUES IN THE PETROLEUM INDUSTRY LAB

Credits: 0

PETR4103

SUB-SURFACE PRODUCTION OPERATIONS

Credits: 3

Prerequisite:

PETR3164 and GEOL3103

This course will enable the student to gain experience in methods of enhancing well productivity within optimum technical conditions, the utilization of subsurface data from geological and engineering sources. The student will also be able to forecast production rates. Students will learn to identify the main subsurface components, their functions,

strengths, weaknesses and interfaces from the well to the production facility. The course provides insight into the basic well logging methods that are employed to derive petrophysical properties for hydrocarbon exploration and production. Students will understand the methodology for selection and use of chemicals to maintain production while controlling: corrosion, emulsions, foaming, mineral scales, paraffin build up (waxes), and the development of asphaltene.

PETR4103L

SUB-SURFACE PRODUCTION OPERATIONS LAB

Credits: 0

PETR4104

ADVANCED DRILLING & WELL COMPLETION

Credits: 3

Prerequisite:

PETR3133

This course is designed to provide training in the application of drilling to effect efficient and economic drilling practices as well as solutions to drilling problems encountered during well planning and drilling cooperation. This course covers the fundamental principles of the design and evaluation of well completion, casing design in various loading condition with various down-hole situations; placement of casing, liners and well tubing; cementing techniques; perforation techniques; gravel packing; sand control and measurement, use of different sand control devices; fundamentals of fracturing including acid fracturing and hydraulic fracturing; and matrix acidizing.

PETR4104L

ADVANCED DRILLING & WELL COMPLETION LAB

Credits: 0

PETR4105

PETROLEUM THERMODYNAMICS

Credits: 3

Prerequisite:

MATH2104 and CHEM1401

This course will focus on Petroleum application using classical thermodynamic considerations. Fundamental concepts introduced include work, heat, heat capacity, internal energy, enthalpy and entropy along with the 1st and 2nd Laws of Thermodynamics. These concepts will be utilized in the development of material and energy analysis on non-reactive open and closed processes. Steam tables and complementary thermodynamic data will be used extensively in these analyses. Ideal thermodynamic processes will be examined with an emphasis placed on thermodynamic cycles. Equations of state and phase equilibria will also be included.

PETR4105L

PETROLEUM THERMODYNAMICS LAB

Credits: 0

PETR4161

ADVANCED RESERVOIR ENGINEERING

Credits: 3

Prerequisite:

PETR2161 and GEOL3103

This course is a continuation of materials taught in PETR2161 (Reservoir Engineering) and GEOL3103 (Petroleum Geology). The course offers the student an in-depth description of the theory of transient flow analysis and treatment of unconventional reservoirs. Topics covered include Modern Decline Curve Analysis, Type Curve Analysis, Gas and Water Coning, Unconventional Reservoirs, Gas well testing, Optimization, Horizontal Wells and Shale Gas.

PETR4161L

ADVANCED RESERVOIR ENGINEERING LAB

Credits: 0

PHIL1101

KNOWLEDGE & REALITY

Credits: 3

Exclusions:

Unavailable to students with credit for PHIL100.

Classic and Modern Texts will be read dealing with questions about God, reality, truth, the soul, mind and freedom of the will.

PHIL1103

CRITICAL THINKING

Credits: 3

Exclusions:

Unavailable to students with credit for PHIL115.

Skills are developed in recognizing mistakes in reasoning and constructing good arguments.

PHIL1104

GREEK PHILOSOPHY: AN INTRODUCTION

Credits: 3

Exclusions:

Unavailable to students with credit for PHIL132.

Students will be introduced to Philosophy through the study of some works of Plato and Aristotle focusing on the nature of reality and of virtue.

PHIL1105

PHILOSOPHY & THE MEANING OF LIFE

Credits: 3

Exclusions:

Unavailable to students with credit for PHIL203

Novels, plays, short stories and philosophical essays by modern writers (Dostoyevsky to Sartre) will be used to explore the classic philosophical question: What gives human life a deep meaning?

PHIL2103

PHILOSOPHIES OF LOVE, SEX, & FRIENDSHIP

Credits: 3

Exclusions:

Unavailable to students with credit for PHIL205

What is love? How is it different than friendship? What, if any, relationships obtain between these concepts and sex? What differentiates morally acceptable from unacceptable sexual behaviour? These and other related questions will be explored through historical and contemporary readings.

PHIL2104

SCIENCE, KNOWLEDGE, AND PROOF

Credits: 3

Exclusions:

Unavailable to students with credit for NASC1120.

This course assists students in understanding the history and methodology of science how scientific knowledge is achieved, and addresses such questions as ; Is science a privileged form of knowledge, or is it just one 'way of knowing' among others? Are scientific claims 'proven' ? What do we mean by 'proof'?

PHIL2105

FEMINIST PHILOSOPHY

Credits: 3

Exclusions:

Unavailable to students with credit for PHIL207

This course will explore philosophy and values from a variety of feminist perspectives. It will investigate theories about women's "nature," political goals, ethics and art.

PHIL2107

ENVIRONMENTAL ETHICS

Credits: 3

Exclusions:

Unavailable to students with credit for PHIL221.

A study of moral issues regarding the environment, overpopulation, animal rights, endangered species and the sublime in nature.

PHIL2109

THE EXISTENCE OF GOD

Credits: 3

Exclusions:

Unavailable to students with credit for PHIL223 or RELS223

Cross-listed with RELS2109 The question concerning the existence of God is perplexing, since it arises in history but points to a reality beyond history. What can we know about God?

PHIL2111

MEDICAL ETHICS

Credits: 3

Exclusions:

Unavailable to students with credit for PHIL225, PHIL330 or NURS330.

May not be taken in place of NURS3100 or PHIL3130 in BSc Nursing. Long-standing moral controversies such as abortion and euthanasia will be examined, along with other issues including patient/doctor relationships, health-care allocation and organ donation.

PHIL2113

DEBATING ARTISTIC VALUES

Credits: 3

Exclusions:

Unavailable to students with credit for PHIL231.

Why is the colourization of movies controversial? What is wrong with a forgery? Why do we feel sad (or happy) for fictional characters in plays, movies and novels? What is conceptual art? These and other issues will be explored through readings and other media.

PHIL2114

HISTORY & PHILOSOPHY OF SCIENCE

Credits: 3

Prerequisite:

6 credits of Philosophy

Exclusions:

Unavailable to students with credit for PHIL321

This course will provide students with a better understanding of the nature of the scientific process by discussing such topics as explanation, the nature of scientific theory, observation, progress in science and scientific realism. It will also examine recent feminist and social constructivist critiques of science.

PHIL2115

ETHICS AND THE LAW

Credits: 3

Exclusions:

Unavailable to students with credit for PHIL235.

An examination of alternative views of the law and of areas within the law in which philosophical issues arise. Issues to be studied include: Law's relation to morality, social practice and politics; liberty; liability and responsibility; punishment and rights.

PHIL2117

BUSINESS ETHICS

Credits: 3

Exclusions:

Unavailable to students with credit for PHIL237

Do moral principles govern business activity? This question is studied through a series of contemporary issues which will be of interest to BA, BACS and, especially BBA students.

PHIL2119

MOVIES AND MORALS

Credits: 3

Exclusions:

Unavailable to students with credit for PHIL239 or FINA239

This course is concerned with the way movies have used the possibilities of the medium to both reflect and shape twentieth century moral conventions. Complete movies will be viewed

PHIL2121

CONTEMPORARY ISSUES IN PHILOSOPHY OF EDUCATION

Credits: 3

Exclusions:

Unavailable to students with credit for PHIL241.

A set of contemporary issues in secondary and post-secondary education will be studied. This course will be of special interest to students planning or having practical experience in education.

PHIL2123

WORLD VIEWS AND VALUES

Credits: 3

Exclusions:

Unavailable to students with credit for PHIL251.

An introduction to philosophical questions based on writings from some of the major world belief systems: Western, Hindu, Chinese and Muslim.

PHIL2125

DEATH & DYING: DYING & VALUES

Credits: 3

Exclusions:

Unavailable to students with credit for PHIL257 or RELS257

Cross-listed with RELS2125 Death as a process of life. Cardiac, whole brain and higher brain definitions of death. Interdisciplinary perspectives. Moral standing and ethical principles. Death condemnation and embalming. DNR and DNH orders, transplants and living wills.

PHIL2127

DEATH & DYING: DYING, HEALING, & AGEING

Credits: 3

Exclusions:

Unavailable to students with credit for PHIL259 or RELS259.

Cross-listed with RELS2127 Heidegger, Sartre and Marcel on the nature of death. Healing techniques: good and bad grief. Ageing as a process. The metaphysical structure of death as such (what death is like to the dead).

PHIL2129

SPIRITUALITY & HEALTH

Credits: 3

Exclusions:

Available to non-nursing students only with the permission of the instructor. Unavailable to students with credit for PHIL265 or RELS265.

Cross-listed with RELS2129 Required for all students in the BSc Nursing Program. This course introduces students to the links between spirituality, medicine, disease and illness as they relate to health and healing techniques throughout the lifespan. Health arises at the intersection of these links. The course is directed toward students in the nursing program, though other students may enroll with permission of the instructor.

PHIL2131

RELIGION & HEALTH

Credits: 3

Prerequisite:

PHIL2129

Exclusions:

Available to non-nursing students only with the permission of the instructor. Unavailable to students with credit for PHIL267 or RELS267.

Cross-listed with RELS2131 Required for all students in the BSc Nursing Program. This course introduces students to the links between religion, culture and health. The major world religions offer guidance on how to live harmoniously with self, others and the environment, thereby playing a focal role in health issues. The course is directed toward students in the nursing program, though other students may enroll with the permission of the instructor.

PHIL2133

PHILOSOPHY OF LOVE & FRIENDSHIP

Credits: 3

Exclusions:

Credit can not be obtained for both PHIL2103 and PHIL2133

This course will examine various topics on human love and friendship from a philosophical point of view. Topics to be examined include: Greek, Renaissance, and Contemporary Conceptions of Love; Love and Ethics; Love and Autonomy; Love, Marriage, and Monogamy; The Nature of Friendship; Lovers vs. Friends; and Friends with Benefits.

PHIL2134

PHILOSOPHY OF SEX

Credits: 3

Exclusions:

Credit may not be obtained for both PHIL2103 and PHIL2134.

This course will examine various topics on human sexuality from a philosophical point of view. Topics to be examined may include: Defining Sex; Sexual Attraction; Sexual Objectification and Autonomy; Sex and Violence; Sexual Perversion; Sex and Marriage; Sex and Children; Sexual Speech; Sexual Privacy; Sex and Responsibility; the Scientific and Medical Study of Sex; and Sex and Toleration.

PHIL2137

CANADIAN POLITICAL VALUES

Credits: 3

Prerequisite:

6 credits of 1000 level Political Science or permission of Instructor

Exclusions:

Unavailable to students with credit for PHIL215 or POLS215.

Cross-listed with POLS2105 Our national experience has led Canadian thinkers to develop distinctive political philosophies. We explore their work with an eye to the contemporary scene in Canada.

PHIL2208

PHILOSOPHY, ETHICS & SPORT

Credits: 3

Exclusions:

SPHK2208

Cross-listed with SPHK2208 This course addresses sport from philosophical and moral perspectives to enrich our understanding of sport from the perspectives of practitioners, coaches, referees, and marketers of sport.

PHIL2221

SCIENCE & SOCIETY

Credits: 3

Exclusions:

Unavailable to students with credit for PHIL2222.

An introduction to the moral, social and political implications of science; and of the influences exerted upon science by the social context within which it operates.

PHIL2222

SCIENCE, TECHNOLOGY, & HUMAN AFFAIRS

Credits: 6

Prerequisite:

6 credits of Philosophy

Exclusions:

Unavailable to students with credit for PHIL222. Highly recommended for BSc students.

This course is intended to help students reflect on the nature of science and technology and their impact on human affairs.

PHIL2223

TECHNOLOGY & SOCIETY

Credits: 3

Exclusions:

Unavailable to students with credit for PHIL2222

This course is intended to help students reflect on the nature of technology, its impacts and their ethical responsibilities regarding their technological activities.

PHIL3114

HISTORY AND PHILOSOPHY OF SCIENCE

Credits: 3

Prerequisite:

6 credits of Philosophy

Exclusions:

Unavailable to students with credit for PHIL321

Note:

Andrew Reynolds asked that PHIL3109 (MISNUMBERED) course be removed from view Academic Calendar Feb 26, 2016 ADDED CROSS-LISTED BASED ON EMAIL FROM MARY KEATING AND ANDY PARNABY DEC 7, 2016

CROSS-LISTED WITH HIST3117 This course will provide students with a better understanding of the nature of the scientific process by discussing such topics as explanation, the nature of scientific theory, observation, progress in science and scientific realism. It will also examine recent feminist and social constructivist critiques of science.

PHIL3130

ETHICAL & LEGAL ISSUES IN NURSING

Credits: 6

Exclusions:

Available to non-Nursing students only with the permission of the instructor. Unavailable to students with credit for PHIL330 or NURS330.

Cross-listed with NURS3100 Examines the moral and ethical implications of various practices in the field of health care as they affect human life and the basic dignity of the person. Also treats the moral, ethical, legal and theological issues raised by recent developments in the life sciences.

PHIL3151

FOUNDATIONS OF POLITICAL THOUGHT

Credits: 3

Prerequisite:

6 credits of Philosophy.

Exclusions:

Unavailable to students with credit for PHIL301 or POLS301.

Cross-listed with POLS3151. The principles underlying political systems will be studied historically: Plato's criticism of democracy, Machiavelli's ideas on leadership, the concept of social contract and Marx and Hegel's dialectical view of history.

PHIL3153

IN SEARCH OF THE JUST SOCIETY

Credits: 3

Prerequisite:

6 credits of Philosophy.

Exclusions:

Unavailable to students with credit for PHIL303 or POLS303

Cross-listed with POLS3153 This course examines concepts of justice, human rights, freedom, democracy and gender equality in contemporary liberal, feminist, and human rights writings of the twentieth century.

PHIL3154

FEMINIST PHILOSOPHICAL THEORY

Credits: 3

Exclusions:

Unavailable to students with credit for PHIL359.

This course provides a historically progressive discussion of feminist philosophical theory. Its aim is to articulate the complexities of how feminist philosophy can identify and respond to interconnected forms of oppression within contemporary, often multicultural societies.

PHIL3155

ETHICS I

Credits: 3

Prerequisite:

6 credits of Philosophy

Exclusions:

Unavailable to students with credit for PHIL305.

The major theories of classical and modern ethics will be critically examined and the concepts underlying problems in applied ethics studied: free will, reason and emotion and good and evil.

PHIL3157

ETHICS II

Credits: 3

Prerequisite:

6 credits of Philosophy.

Exclusions:

Unavailable to students with credit for PHIL307.

Has there been progress in ethical theory? Many of the same concepts studied in 3155 will be examined, but from the point of view of contemporary ethical theories

PHIL3201

RELIGIOUS PERSECUTION TO RELIGIOUS LIBERTY I (TO 1600)

Credits: 3

Prerequisite:

6 credits of Philosophy, HIST1100 or 6 credits of Humanities

Exclusions:

Unavailable to students with credit for PHIL353, HIST353, or RELS353.

Cross-listed with HIST3201 and RELS3153 This course examines ideas about religious intolerance, toleration, and liberty, from antiquity to the sixteenth century. Students will read and discuss important texts. Historical, theological and philosophical perspectives will be introduced.

PHIL3203

RELIGIOUS PERSECUTION TO RELIGIOUS LIBERTY I (FROM 1600)

Credits: 3

Prerequisite:

PHIL3201.

Exclusions:

Unavailable to students with credit for PHIL355, HIST355, or RELS355

Cross-listed with HIST3203 and RELS3155 A continuation of PHIL3201. The seventeenth century worked out ideas presented during the Reformation, while the Enlightenment launched an all-out assault on bastions of intolerance. Modern approaches, theological, and philosophical, along with contemporary declarations, e.g. United Nations and Vatican II, will also be read.

PHIL4102

MEDIEVAL PHILOSOPHY

Credits: 6

Prerequisite:

12 credits of Philosophy

Exclusions:

Unavailable to students with credit for PHIL420.

This course examines the main themes of medieval philosophy in a historical context: St. Augustine, through St. Thomas Aquinas, to William of Occam

PHIL4110

MODERN PHILOSOPHY

Credits: 6

Prerequisite:

12 credits of Philosophy

Exclusions:

Unavailable to students with credit for PHIL480 and PHIL380.

Required course for Philosophy majors. This course examines the writings of the major philosophers of the seventeenth and eighteenth century (Descartes to Kant) with an emphasis on metaphysics and epistemology.

PHIL4112

NINETEENTH CENTURY PHILOSOPHY

Credits: 6

Prerequisite:

12 credits of Philosophy

Exclusions:

Unavailable to students with credit for PHIL490 or PHIL 390

English philosophy in the nineteenth century emphasized utilitarianism and idealism, Germans thought about history and irrationality and the Americans invented pragmatism. Topics will be drawn from these themes.

PHIL4120

LOGIC AND THE ANALYTIC TRADITION

Credits: 6

Prerequisite:

12 credits of Philosophy.

Exclusions:

Unavailable to students with credit for PHIL412 or PHIL 312.

Required course for Philosophy majors. As well as introducing students to the elements of symbolic logic, this course examines the main thinkers of the Analytic Tradition, one of the main traditions in twentieth century philosophy.

PHIL4122

THE CONTINENTAL PHILOSOPHICAL TRADITION

Credits: 6

Prerequisite:

12 credits of Philosophy.

Exclusions:

Unavailable to students with credit for PHIL440

Nietzsche, Heidegger, Sartre, Foucault and others engaged in unique explorations of human consciousness, bodily life and language. These topics will be studied in the broad context of twentieth century intellectual life.

PHIL4130

CONTEMPORARY READINGS IN SOCIAL JUSTICE

Credits: 6

Prerequisite:

12 credits of Philosophy

Exclusions:

Unavailable to students with credit for PHIL450.

What is a just society? This course examines the contemporary philosophical debate over this most important question as it relates to the ideals of liberty, equality and economic efficiency

PHIL4751

SPECIAL TOPICS: SASS: INTERDISCIPLINARY SEMINAR

Credits: 3

PHIL4753

SPECIAL TOPICS: SASS: INTERDISCIPLINARY SEMINAR

Credits: 3

PHIL4754

SPECIAL TOPICS: SASS: INTERDISCIPLINARY SEMINAR

Credits: 3

PHIL4800

DIRECTED STUDY IN PHILOSOPHY

Credits: 6

Prerequisite:

12 credits of Philosophy.

Serious philosophy students may pursue, on a tutorial basis, a custom-made course. This will permit the student to study a particular topic in depth at an advanced level.

PHYS1101

ELEMENTS OF PHYSICS I

Credits: 3

Prerequisite:

Grade 12 Physics and Mathematics is recommended.

Exclusions:

Unavailable to students with credit for PHYS113, 121, 1104, or 110.

This is an algebra-based physics course designed for students in a life science or technology program. Mechanics, including kinematics, vectors, Newton's laws, circular motion, momentum and energy are covered.

PHYS1102

ELEMENTS OF PHYSICS

Credits: 6

Prerequisite:

Unavailable to students with credit for PHYS110

An algebra-based physics course designed for students in a life science program. The course introduces mechanics, waves, electricity, magnetism, optic, and modern physics.

PHYS1104

GENERAL PHYSICS I

Credits: 3

Prerequisite:

Grade 12 Academic Mathematics. Grade 12 Academic Physics is recommended.

Corequisite:

Students must have already taken or must simultaneously take MATH1105 or MATH1101

Exclusions:

Unavailable to students with credit for PHYS121.

A calculus-based physics course designed for students intending to take further physics or engineering. The course introduces mechanics.

PHYS1201

ELEMENTS OF PHYSICS II

Credits: 3

Prerequisite:

PHYS1101 or PHYS1104

Exclusions:

Unavailable to students with credit for PHYS, 115, 1204, or 110.

Note:

NOTE: This pair of courses replaces PHYS 110 (6 credits) with two 3 credit courses.

This is an algebra-based physics course designed for students in a life science or technology programs.

PHYS1204

GENERAL PHYSICS II

Credits: 3

Prerequisite:

PHYS1104 and one of MATH1101 or 1105

Exclusions:

Unavailable to students with credit for PHYS121, 122.

A calculus-based physics course designed for students intending to take further physics or engineering. The course introduces waves, electricity, magnetism, optics, and modern physics. It is recommended that students take MATH1206 concurrently

PHYS2101

CHEMICAL THERMODYNAMICS

Credits: 3

Prerequisite:

CHEM1105 and MATH1206.

Exclusions:

Unavailable to students with credit for CHEM201.

Cross-listed with CHEM2201 The theoretical basis of the fundamental principles of chemistry will be discussed. The emphasis is on derivations and the physical meaning of these. Topics include thermodynamics, solutions and phase equilibria. Students will be introduced to data handling by computer. Course includes lab component

PHYS2104

ENERGY, SOCIETY & THE ENVIRONMENT

Credits: 3

Prerequisite:

PHYS 1101 or PHYS 1104

Note:

Added June 6, 2018

Cross-listed with ENVS2104 In this course, students will be introduced to the underlying scientific principles necessary to understand energy production and energy use by our society. The course will include a survey of energy production and storage technologies. The

main focus of the course is the use of scientific principles to examine questions around what quantities of energy are available to society from various sources, and what this implies for future choices that humanity must make.

PHYS2201

OPTICS

Credits: 3

Prerequisite:

PHYS1204, MATH1206

Exclusions:

Unavailable to students with credit for PHYS231.

Introduction to optics with an emphasis on topics relevant to chemists and engineers. Topics will include geometric optics (lenses and curved mirrors), analysis of light as a wave, polarization, Fresnel equations for reflection and transmission of light, optical instrumentation, diffraction, Fourier analysis lasers and optical properties of materials.

PHYS3106

PHYSICAL APPLICATIONS OF MATHEMATICS

Credits: 3

Prerequisite:

MATH2109

Note:

Crosslisted - August 31, 2017

Cross-listed with PHYS3106 Vector algebra and calculus are used to describe, analyze and discuss selected topics in physical science. Offered as required.

PHYS3201

THERMAL PHYSICS

Credits: 3

Prerequisite:

PHYS 1204 and one of CHEM2201, CHEM 2203 or ENGI 2164

Exclusions:

Unavailable to students with credit for PHYS351.

Note:

pre-req change July 15, 2019 to include CHEM2201 BK

The main objective of this course is to provide students with an understanding of the connections between the microscopic (atomic scale) behaviour of physical systems and the macroscopic (on or near the scale of people) behaviour of physical systems. This is a two-way relationship. Our (sometimes experimental) knowledge of the atomic scale can allow us to predict properties of materials. Similarly, our (usually experimental) knowledge of the properties of materials can allow us to probe the properties of the atoms in those materials. Attention will be given to the kinetic theory of gases, which allows us to predict and extend the ideal gas law that students will have encountered in other courses. Students will also explore how these same approaches can lead to an understanding of magnetic systems, the physical properties of crystals and absorption and emission of light by hot objects.

POLS1101

POLITICS, LAW AND SOCIAL JUSTICE: CDN PERSPECTIVES

Credits: 3

Exclusions:

Unavailable to students with credit for POLS100 or POLS1100

This course offers an engaged introduction to Canadian politics by examining how power operates in our contemporary society. The course studies the nature of Canadian democracy by evaluating the function and importance of such competing influences as the rule of law, ethics, economic interests, citizenship engagement, political parties and pressure groups.

POLS1103

POLITICS, LAW AND SOCIAL JUSTICE: INT'L PERSPECTIVES

Credits: 3

Exclusions:

Unavailable to students with credit for POLS100 or POLS1100

This course offers an engaged introduction to international politics by considering how social justice, international law and power interact. The course studies such topics as development, economic globalization, human rights and environmental sustainability and examines the political and economic roles, functions and limitations of key institutions that govern these areas.

POLS1701

SPECIAL TOPICS IN POLITICAL SCIENCE

Credits: 3

POLS2102

BASICS OF CANADIAN POLITICS & GOVERNMENT

Credits: 6

Prerequisite:

6 credits of 1000-level Political Science or permission of instructor.

Exclusions:

Unavailable to students with credit for POLS250 or POLS150.

The description, explanation and analysis of the major governmental and socio-political forces present at all levels of the Canadian political system.

POLS2103

PARTIES, ELECTIONS, AND DEMOCRACY

Credits: 3

Prerequisite:

6 credits of 1000-level Political Science or permission of instructor.

Exclusions:

Unavailable to students with credit for POLS273.

Political parties in Canada, elections and voting patterns and the impact of citizen participation on the quality of democracy.

POLS2104

HUMAN RIGHTS IN CANADA

Credits: 3

Prerequisite:

6 credits of 1000-level Political Science or permission of instructor.

Exclusions:

Unavailable to students with credit for POLS297.

A study of the evolution of Canadian policy in the areas of human rights legislation, anti-hate laws, multiculturalism, First Nations self-government and employment equity.

POLS2105

CANADIAN POLITICAL VALUES

Credits: 3

Prerequisite:

6 credits of 1000-level Political Science or permission of instructor.

Exclusions:

Unavailable to students with credit for POLS215 or PHIL215.

Cross-listed with PHIL2137 Our national experience has led Canadian thinkers to develop distinctive political philosophies. The course explores their work with an eye to the contemporary scene in Canada.

POLS2110

INTRODUCTION TO CANADIAN PUBLIC ADMINISTRATION

Credits: 6

Prerequisite:

6 credits of 1000-level Political Science or permission of instructor.

Exclusions:

Unavailable to students with credit for POLS222.

This course offers a lively introduction to the manner by which political power is exercised in this country by governments. The course will address issues of the democratic mandate, the setting of public policy, the structure and working of government institutions, public participation in government and government accountability.

POLS2111

THE NEW SOCIAL MEDIA: POLITICS AND COMMUNICATION IN THE 21ST CENTURY

Credits: 3

Prerequisite:

6 credits of 1000-level Political Science or permission of instructor

Exclusions:

Unavailable to students with credit for POLS223.

This course will examine the nature of media and its impact on society, politics, governments, policy and the way people think about social, economic and political power in modern society.

POLS2112

MI'KMAQ GOVERNMENT

Credits: 6

Exclusions:

Unavailable to students with credit for POLS240 or MIKM240.

Cross-listed with MIKM2220 Examines the history of Mi'kmaq traditional leaderships. Indigenous self-governments in Canada will be used as a framework for discussion.

POLS2113

PUBLIC POLITICAL OPINION AND THE MEDIA

Credits: 3

Prerequisite:

6 credits of 1000-level Political Science or permission of instructor.

Exclusions:

Unavailable to students with credit for POLS225

The formation and articulation of political opinion as it is influenced by the media, the political system, government and mass communications in Canada.

POLS2114

SCANDALS, CORRUPTION, & LIES: POWER, POLITICS, & MORALITY

Credits: 3

Prerequisite:

6 credits of 1000-level Political Science or permission of instructor.

Exclusions:

Unavailable to students with credit for POLS227

A close study of ethics and morals within public life, how and why politics and government are so often tainted with scandal and how ethical standards of political life can be improved. Much of the course will focus on both historical and current case studies.

POLS2115

FAMILY POLICIES IN CANADA

Credits: 3

Prerequisite:

6 credits of 1000-level Political Science or permission of instructor

Exclusions:

Unavailable to students with credit for POLS235.

A study of evolving policies and laws in Canada that deal with changing family trends and increasing pressures on the family. Policies include the regulation of divorce, custody and child support, day care and parental leave, social assistance and economic supports and protection against domestic violence and abuse.

POLS2116

WHO'S IN CHARGE?: EXPOSING GOV'T-BUSINESS RELATIONS IN CANADA

Credits: 3

Exclusions:

Unavailable to students with credit for POLS263 or BUSS272.

Note:

Pre-Reqs removed at Dept request June 14, 2018

Cross-listed with MGMT2101 The relationship between business and government in Canada is a complex, fluid one that is little understood. Understanding that relationship is vitally important, however, because it affects how we live and work as Canadians. This course examines the historical relationship between government and business. A large part of that examination will focus on how that relationship determines what governments will and won't do when it comes to making decisions in areas such as education, health care, personal and corporate taxes, economic development and foreign policy. This course is of equal interest to business and political science students.

POLS2117

CHILDREN'S RIGHTS

Credits: 3

Exclusions:

Unavailable to students with credit for POLS279, POLS395, PSYC279 or PSYC395.

This course brings together perspectives from law and public policy and from developmental psychology to study the rights of the child. Using the framework of the UN Convention of the Rights of the Child, the course examines current Canadian policies and practices in areas such as child poverty, protection from abuse and neglect, child care, and protection from corporal punishment and violence against children.

POLS2118

CANADIAN PUBLIC ADMINISTRATION

Credits: 3

Exclusions:

Unavailable to students with credit for POLS2110

Note:

Pre-Reqs removed at Dept request June 14, 2018

This offers an introduction to the nature and working of the Government of Canada. Critical attention is devoted to ideas and ideology relating to the role of the state and how the Canadian federal government is organized. The evolution of power relations between prime ministers, ministers and senior public servants will be emphasized.

POLS2119

CANADIAN PUBLIC SECTOR MANAGEMENT

Credits: 3

Exclusions:

Unavailable to students with credit for POLS2110

Note:

Pre-Reqs removed at Dept request June 14, 2018

This offers an introduction to key issues in public sector management in Canada. With a focus on the federal government, critical attention is devoted to systems in financial management, human resources management, ethics, accountability and public sector leadership.

POLS2120

AN INTRODUCTION TO UNITED STATES GOVERNMENT & POLITICS

Credits: 6

Prerequisite:

6 credits of 1000-level Political Science or permission of instructor

Exclusions:

Unavailable to students with credit for POLS230.

Examines the basic institutions of the US government: the role and powers of the president, the congress, the judicial system, the media and the political parties and interest groups.

POLS2121

THE POLITICS OF SOCIAL DIVISION: RACE, GENDER, & CLASS

Credits: 3

Prerequisite:

6 credits of 1000-level Political Science or permission of instructor

Exclusions:

Unavailable to students with credit for POLS275.

This course examines race, gender and class as they affect domestic and international politics. Particular attention will be paid to how these categories of social division have shifted over time and how the new politics of globalization may provide both challenges and opportunities for deepening equality and justice.

POLS2123

CONTEMPORARY US FOREIGN POLICY

Credits: 3

Prerequisite:

6 credits of 1000-level Political Science or permission of instructor.

Exclusions:

Unavailable to students with credit for POLS289.

This course introduces students to contemporary debates on where power lies in the US foreign policy making process. The course then examines salient case studies to understand distinct explanations on the roles that power, ethics and law play in the process of contemporary US foreign policy making

POLS2131

TERRORISM SECURITY POLICY AND THE NEW WORLD (DI S)ORDER

Credits: 3

Prerequisite:

6 credits of 1000-level Political Science or permission of instructor.

Exclusions:

Unavailable to students with credit for POLS267.

Probes the nature of security policy, at home and abroad and the threat posed to peace and order by both domestic and international terrorism. Includes discussion of the nature of terrorism, its origins and the means by which it is fought.

POLS2133

WAR AND PEACE

Credits: 3

Exclusions:

Unavailable to students with credit for POLS269.

This course will offer an in-depth study of the nature of war, its origins and evolution, military strategy and the impact of war on individual soldiers and citizens through to entire states and ultimately the entire world. The nature of peace, the building blocks of peace and international harmony and the ways and means of ending wars and promoting peace through peacekeeping and peacemaking will also be examined.

POLS2134

SOUTH OF THE BORDER: CANADIAN, US, & LATIN AMERICA RELATIONS

Credits: 3

Prerequisite:

6 credits of 1000-level Political Science or permission of instructor

Exclusions:

Unavailable to students with credit for POLS281.

This course offers a critical overview and analysis of the political, economic, social and cultural relations, exchanges, tensions and opportunities existing between Latin America and her North American neighbours.

POLS2135

RICH NATIONS AND POOR NATIONS: THE IMPACT OF GLOBALIZATION

Credits: 3

Prerequisite:

6 credits of 1000-level Political Science or permission of instructor.

Exclusions:

Unavailable to students with credit for POLS285.

This course explores the interlocking nature of development and underdevelopment from an international perspective.

POLS2136

INTERNATIONAL POLITICS OF THE ENVIRONMENT

Credits: 3

Prerequisite:

6 credits of 1000-level Political Science or permission of the instructor.

Exclusions:

Unavailable to students with credit for POLS291.

Situates environmental issues within the structures and processes of the international system. This course will have an environmental ethics/philosophy component to assist with the establishment of the "roots of the problem".

POLS2137

INDIGENOUS RESISTANCE IN A GLOBAL CONTEXT

Credits: 3

POLS2140

LAW & SOCIETY

Credits: 6

Exclusions:

Unavailable to students with credit for POLS212, POLS112, ECON212 or ECON112.

Cross-listed with ECON2140 This course provides an introduction to the study of law, government and the economy. It provides an understanding of leading social, political and economic issues and the impact of these issues on our life.

POLS2141

CRIMINAL JUSTICE

Credits: 3

Prerequisite:

6 credits of 1000-level Political Science or permission of instructor.

Exclusions:

Unavailable to students with credit for POLS245.

This course examines Canada's criminal justice system and policies in such areas as policing, sentencing, corrections, early release, and parole. We also examine issues of gun control, capital punishment, racial profiling, penal populism, police accountability, and justice for women and minorities.

POLS2143

ISSUES IN CRIMINAL JUSTICE AND PUBLIC POLICY

Credits: 3

Prerequisite:

6 credits of 1000-level Political Science or permission of instructor

Exclusions:

Unavailable to students with credit for POLS247.

This course is a study of major problems and issues in the Canadian criminal justice system including youth crime, youth justice, restorative justice, and the sentencing of young offenders. We also examine the case of female and Aboriginal offenders and recent initiatives in the field of crime prevention.

POLS2144

FAMOUS TRIALS: THE ADMINISTRATION OF JUSTICE

Credits: 3

Exclusions:

Unavailable to students with credit for POLS271.

Note:

Pre-Reqs removed at Dept request June 14, 2018

A close study of landmark cases in the development of the theory and practice of justice in the Western world.

POLS2160

QUALITATIVE RESEARCH METHODS IN SOCIAL SCIENCE

Credits: 6

Exclusions:

Unavailable to students with credit for AN/S266 or POLS266.

Note:

Pre-Reqs removed at Dept request June 14, 2018

Cross-listed with AN/S2210 A course in ethnographic methodology, techniques of generating non-numerical data and interpretive analysis and practical applications. Fieldwork approaches include intensive interviewing, participant observation and interpretation of print and broadcast media text.

POLS2161

UNDERSTANDING POLITICAL SCIENCE RESEARCH

Credits: 3

Prerequisite:

6 credits of 1000-level Political Science or permission of instructor

Exclusions:

Unavailable to students with credit for POLS265.

This course will provide an overview of quantitative and qualitative research methods suitable for the study of public opinion, the impact of the media, elections, government performance, political values and culture and the implementation, impact and evaluation of public policies and programs

POLS2162

QUANTITATIVE RESEARCH METHODS & STATISTICS IN SOCIAL SCIENCE

Credits: 6

Prerequisite:

Prior math skills are not required.

Exclusions:

Unavailable to students with credit for POLS268 or AN/S268.

Note:

Pre-Reqs removed at Dept request June 14, 2018

Cross-listed with AN/S2212 Satisfies the Group 5, BA core requirement, but also open to all degree students. An overview of research designs that produce numbers as the data and a comprehensive study of survey methods. Includes methodological principles, sampling, preparation and administration of instruments, computerized data-analysis with SPSS, interpretive reporting and practical applications. Regular lab assignments in SPSS during second half of the course.

POLS3101

CANADIAN GOVERNMENT & CONSTITUTION

Credits: 3

Prerequisite:

6 credits of 1000-level Political Science or permission of instructor.

Exclusions:

Unavailable to students with credit for POLS319.

An introduction to major constitutional issues including Confederation, constitutional law and amendment, Quebec and the future of Canada.

POLS3103

LOCAL GOVERNMENT IN CANADA

Credits: 3

Prerequisite:

6 credits of 1000-level Political Science or permission of instructor.

Exclusions:

Unavailable to students with credit for POLS325.

The origins, evolution and contemporary situation of local government in Canada with special reference to Cape Breton.

POLS3104

ISSUES IN CANADIAN LOCAL GOVERNMENT

Credits: 3

Prerequisite:

6 credits of 1000-level Political Science or permission of instructor.

Exclusions:

Unavailable to students with credit for POLS327.

A study of local policy issues in the Canadian context with focus on such topics as urban politics, policy and planning, local environmental politics, provincial-municipal relations and local economic development.

POLS3105

THE FUTURE OF WORK IN CANADA: THE CHALLENGES FACING YOUNG CANADIANS

Credits: 3

Prerequisite:

6 credits of 1000-level Political Science or permission of instructor

Exclusions:

Unavailable to students with credit for POLS331.

Looks at the changing nature of work in Canada, focusing on the evolving job market, the role of government policy in structuring and promoting the development of work, and in assessing the problems and potential policy solutions respecting employment, underemployment, job creation and career promotion. Special attention given to concerns and needs of young Canadians.

POLS3106

THE CHARTER OF RIGHTS & CIVIL LIBERTIES

Credits: 3

Prerequisite:

6 credits of 1000-level Political Science or permission of instructor.

Exclusions:

Unavailable to students with credit for POLS323 or POLS221

A study of leading Charter of Rights cases dealing with the power of the police, rights of the accused, prisoners' rights, abortion, assisted suicide, pornography, the spread of hate and the death penalty.

POLS3107

PROVINCIAL GOVERNMENT

Credits: 3

Prerequisite:

6 credits of 1000-level Political Science or permission of instructor

Exclusions:

Unavailable to students with credit for POLS321.

A study of Provincial governments and policies in Canada, with special reference to Nova Scotia.

POLS3108

CONFRONTING CANADIAN COLONIALISM

Credits: 3

POLS3110

ABORIGINAL AND TREATY RIGHTS IN THE CANADIAN CONSTITUTION

Credits: 6

Prerequisite:

MIKM1100 or permission of instructor

Exclusions:

Unavailable to students with credit for POLS340, HIST312, or MIKM340.

Cross-listed with HIST3110 and MIKM3120. The study of Mi'kmaq Aboriginal and treaty rights in Atlantic Canada. The issue of enshrining Aboriginal and treaty rights in S.25 and S.35 of the Constitution Act (1982) will be emphasized.

POLS3111

CANADIAN PUBLIC ADMINISTRATION: FINANCIAL MANAGEMENT, PERSONNEL ADMINISTRATION

Credits: 3

Prerequisite:

6 credits of 1000-level Political Science or permission of instructor

Exclusions:

Unavailable to students with credit for POLS375.

The major theoretical and practical issues and problems respecting financial management

and personnel administration within Canadian governments.

POLS3113

ISSUES IN CHILDREN'S RIGHTS

Credits: 3

Prerequisite:

6 credits of 1000-level political science or psychology or permission of instructor.

Exclusions:

Unavailable to students with credit for POLS379 or PSYC379

Note:

CROSS LISTING WAS REMOVED for June 10th 2013. Here is the relevant passage "Heather Schmidt moved that the SAC support the Psychology Department's request to de-cross-list the 2 children's rights courses (POLS/PSYC 2117 and POLS 3113/PSYC 3301) and withdraw the courses from the roster of psychology course offerings. Seconded by Rachel Baker. Motion carried (5-1-1).

The course examines the principle of the best interests of the child and application of the principle to policies and practices in the areas of sexual exploitation, youth justice, child custody, street-involved children, Aboriginal children, children's environmental health, child rights education, and refugee and war-affected children.

POLS3114

RESTRUCTURING IN THE CANADIAN PUBLIC SECTOR

Credits: 3

Prerequisite:

6 credits of 1000-level Political Science or permission of instructor.

Exclusions:

Unavailable to students with credit for POLS389.

Current issues and challenges in public administration and techniques of public sector management.

POLS3115

GOVERNMENTS MAKING DECISIONS: AN INTRODUCTION TO PUBLIC POLICY

Credits: 3

Prerequisite:

6 credits of 1000-level Political Science or permission of instructor.

Exclusions:

Unavailable to students with credit for POLS393

This course will focus on the design, development and delivery of public policy programs and initiatives in a North American and European comparative context. We will examine the major theories relating to the policy-making process, the institutional, political and socio-economic contexts in which decisions are made, and the impact of those decisions on citizens.

POLS3116

SURVEILLANCE & SOCIAL CONTROL

Credits: 3

Prerequisite:

6 credits of POLS

Note:

Entered November 10, 2016

Critical reflection on recent dramatic increases in the monitoring of citizens, and the resulting alteration of basic notion of privacy and freedom, is vital to the healthy function of modern democracy. The vast extension of the infrastructure of surveillance demands our attention and necessitates a reconsideration of technology and its role in the operation of power in modern society. The political and policy dimension of this interdisciplinary field of study will be informed by theoretical perspectives.

POLS3117

CULTURAL POLICY & THE ARTS

Credits: 3

Note:

Added Feb 2, 2018 - BK

Cross-listed with DRAM3117 This course will introduce learners to cultural policy, which is a field of public policy that is concerned with government policies, programs and models that are directed towards the arts. The major assignment for this course will be to develop a "practice" proposal for a cultural institution or project.

POLS3121

LEADERS AND LEADERSHIP

Credits: 3

Prerequisite:

6 credits of 1000-level Political Science or permission of instructor

Exclusions:

Unavailable to students with credit for POLS333.

A close review and analysis of the quality of leaders and leadership in government and society.

POLS3123

REVOLUTION AND RESISTANCE

Credits: 3

Exclusions:

Unavailable to students with credit for POLS361

Addresses the nature of revolutions looking at the theory and practice of revolutions and their political, social, economic and cultural impact. Types of revolutions studied will range from "traditional" revolutions (American, French, Russian) to such events as the Industrial Revolution, the Scientific Revolution, Women's Liberation, the youth movement and other social revolutions.

POLS3124

ART AND POLITICS

Credits: 3

Exclusions:

Unavailable to students with credit for POLS305 or FINA305.

A study of how art influences political ideas and how politics influences artistic consciousness. Various theories relating to visual art forms such as paintings, posters, murals and sculptures will be explored within the context of the aesthetic dimension as well as through political culture.

POLS3125

L'NU TREATY RIGHTS

Credits: 3

POLS3126

L'NU TRADITIONAL GOVERNANCE

Credits: 3

POLS3130

INTERNATIONAL POLITICS IN A CHANGING WORLD

Credits: 6

Prerequisite:

6 credits of 1000-level Political Science or permission of instructor.

Exclusions:

Unavailable to students with credit for POLS366 or POLS256.

This course is designed to examine the configuration of power in the world today and provides an introduction to a range of issues, which although global in nature, have an impact on Canadians. Topics include international governance, terrorism and security issues, globalization, human rights, international law and environmental deterioration.

POLS3131

THE UNITED NATIONS: ORIGINS, STRUCTURE, & DEVELOPMENT

Credits: 3

Prerequisite:

6 credits of 1000-level Political Science or permission of instructor.

Exclusions:

Unavailable to students with credit for POLS351.

The genesis of international organizations; the League of Nations; and the creation, growth and development of the United Nations.

POLS3133

THE UNITED NATIONS: ITS ROLE IN INTERNATIONAL AFFAIRS

Credits: 3

Prerequisite:

6 credits of 1000-level Political Science or permission of instructor

Exclusions:

Unavailable to students with credit for POLS353.

An in-depth analysis of the functions of the United Nations in the areas of political, economic, social and legal activities and its interaction with the international community.

POLS3134

INTRODUCTION TO INTERNATIONAL LAW

Credits: 3

Prerequisite:

6 credits of 1000-level Political Science or permission of instructor.

Exclusions:

Unavailable to students with credit for POLS355.

An introduction to the study of law by examining the nature of international law, its legal and judicial institutions and its impact on the behaviour of individuals, nation-states and international organizations.

POLS3135

AN INTRODUCTION TO CASES IN INTERNATIONAL LAW

Credits: 3

Prerequisite:

6 credits of 1000-level Political Science or permission of instructor.

Exclusions:

Unavailable to students with credit for POLS357.

Introduces and analyses the milestone cases of international law in national and international courts.

POLS3136

HUMAN RIGHTS: INTERNATIONAL DIMENSIONS

Credits: 3

Prerequisite:

6 credits of 1000-level Political Science or permission of instructor

Exclusions:

Unavailable to students with credit for POLS359

This course will examine international efforts and structures for promoting international human rights. The course will address the development of human rights, the causes of rights abuse and ways and means of rights enforcement.

POLS3137

THE POLITICS OF NATURAL RESOURCES

Credits: 3

Exclusions:

Unavailable to students with credit for POLS363.

This course examines the geopolitical and economic role of natural resources such as oil, coal and water in international relations and provides critical analysis of the connections between the world's increasing consumption of natural resources and conflict, globalization, human rights and climate change.

POLS3138

NUCLEAR WEAPONS & THE POLITICS OF GLOBAL SURVIVAL

Credits: 3

POLS3141

CANADIAN COURTS AND COURT MANAGEMENT

Credits: 3

Prerequisite:

6 credits of 1000-level Political Science or permission of instructor.

Exclusions:

Unavailable to students with credit for POLS371.

A close study of contemporary issues, problems and reform potentials facing the administration of justice in Canada.

POLS3143

CANADIAN GOVERNMENT & ADMINISTRATIVE LAW

Credits: 3

Prerequisite:

6 credits of 1000-level Political Science or permission of instructor.

Exclusions:

Unavailable to students with credit for POLS377.

An introduction to the theoretical and practical relationships and issues existing within the Canadian administrative law system.

POLS3151

FOUNDATIONS OF POLITICAL THOUGHT

Credits: 3

Prerequisite:

6 credits of 1000-level Political Science or permission of instructor.

Exclusions:

Unavailable to students with credit for POLS301 or PHIL301.

Cross-listed with PHIL3151 The principles underlying political systems will be studied historically: Plato's criticism of democracy, Machiavelli's ideas on leadership, the concept of social contract and Marx and Hegel's dialectical view of history.

POLS3153

IN SEARCH OF THE JUST SOCIETY

Credits: 3

Prerequisite:

6 credits of 1000-level Political Science or permission of instructor.

Exclusions:

Unavailable to students with credit for POLS303 or PHIL303.

Cross-listed with PHIL3153 This course examines concepts of justice, human rights, freedom, democracy and gender equality in modern philosophy.

POLS3154

MUSIC & NATIONALISM

Credits: 3

Prerequisite:

Any 6 credits of ETHM/MUSI course (except performance); and/or a Political Science course.

Exclusions:

Unavailable to students with credit for ETHM369, FINA369 or POLS369.

Crosslisted with MUSI3613. This course examines how music can be a potent tool for both building nations and critiquing them. Music can express national identities, narrate national myths, and mark national borders, but it can also critique, deconstruct, and transgress. While many find it easy to accept that music reflects social beliefs and values, in this course we explore how music can be actively used to shape national ideas, principles and standards.

POLS3155

MUSIC & PROTEST

Credits: 3

Prerequisite:

6 credits of MUSI (except performance courses) FOLK or POLS.

Cross-listed with MUSI3608 and FOLK3608 Social protest and activism are profoundly important parts of modern society, and music offers a potent means of articulating, organizing, and shaping collective efforts to challenge the status quo. In this course, we explore music in an integral dimension of human behavior with the power to move masses, to change society, and to be a weapon of political power.

POLS3704

SPECIAL TOPICS IN POLITICAL SCIENCE

Credits: 3

POLS3705

SPECIAL TOPICS IN POLITICAL SCIENCE

Credits: 3

POLS3706

SPECIAL TOPICS IN POLITICAL SCIENCE

Credits: 0

POLS3801

DIRECTED STUDY IN POLITICAL SCIENCE

Credits: 3

Requires a special arrangement between an individual student and a professor endorsed by the Dean, to cover a topic unavailable in the regular course offerings. A student may take more than one such course for credit. See department chair for details.

POLS3991

POLITICAL SCIENCE INTERNSHIP

Credits: 3

POLS4100

SEMINAR IN CANADIAN POLITICS

Credits: 6

Prerequisite:

12 credits of Political Science

Exclusions:

Unavailable to students with credit for POLS420

An in-depth study of a specific aspect of political life in Canadian society. A central theme is selected each year.

POLS4101

GOVERNANCE & POWER: CANADIAN PERSPECTIVES

Credits: 3

Prerequisite:

Prerequisites: POLS 2118 and POLS 2119 and POLS 3111, or permission of instructor.

Note:

course description added june 21, 2019

A senior seminar course providing students the opportunity to critically engage with select

issues and debates surrounding the study of Canadian politics, government, public administration, public policy, and governmental leadership.

POLS4106

POLITICAL COMMUNICATION

Credits: 3

Prerequisite:

6 credits of POLS or COMM

Exclusions:

COMM4701: Special Topics in Communication - Political Communication

Note:

Course description added November 10, 2016

Cross-listed with COMM4106 Politics shape our lived realities as citizens. In today's media saturated postmodern society, we experience political activities and information about government policies through social and mass media. This course therefore looks at how communication theories help us to understand the communications deployed to influence political processes.

POLS4110

SEMINAR IN PUBLIC POLICY

Credits: 6

Prerequisite:

12 credits of Political Science

Exclusions:

Unavailable to students with credit for POLS410

A study of leading public policy fields in Canada, major issues, and current revisions in light of forces of fiscal restraint and globalization.

POLS4130

SEMINAR INTERNATIONAL RELATIONS

Credits: 6

Prerequisite:

12 credits of Political Science.

Exclusions:

Unavailable to students with credit for POLS430.

This course is designed to offer an in-depth study of a specific aspect of international relations. A central theme will be selected in light of current and emerging issues of interest and concern.

POLS4704

SPECIAL TOPICS IN POLITICAL SCIENCE

Credits: 3

POLS4705

SPECIAL TOPICS IN POLITICAL SCIENCE

Credits: 3

POLS4751

SPECIAL TOPICS: SASS: INTERDISCIPLINARY SEMINAR

Credits: 3

POLS4753

SPECIAL TOPICS: SASS: INTERDISCIPLINARY SEMINAR

Credits: 3

POLS4754

SPECIAL TOPICS: SASS: INTERDISCIPLINARY SEMINAR

Credits: 3

POLS4800

DIRECTED STUDY IN POLITICAL SCIENCE

Credits: 6

Prerequisite:

12 credits of Political Science.

See the Department Chair for details.

POLS4900

HONOURS THESIS IN POLITICAL SCIENCE

Credits: 6

Prerequisite:

12 credits of Political Science.

This course is the thesis component of the honours program in Political Science. Students will undertake an individual research project on a topic of their own choosing in consultation with a faculty advisor.

PSYC1101

INTRO TO PSYCHOLOGY AS A NATURAL SCIENCE

Credits: 3

Exclusions:

Unavailable to students with credit for PSYC1100 or PSYC100.

Psychology is the scientific study of behaviour and mental processes and how they are affected by physical states, mental states and the external environment. The course surveys theories and methods in psychology used to study the brain and other physiological processes, states for consciousness, sensation, perception, learning and memory.

PSYC1103

INTRO TO PSYCHOLOGY AS A HUMAN SCIENCE

Credits: 3

Exclusions:

Unavailable to students with credit for PSYC1100 or PSYC100.

Psychology is the scientific study of behaviour and mental processes and how they are affected by physical states, mental states and the external environment. The course surveys

theories and methods in psychology used to study thinking and intelligence, motivation, emotion, development, personality, social psychology, social psychology, psychopathology, psychological therapy, stress, coping and health.

PSYC2101

DATA ANALYSIS

Credits: 3

Prerequisite:

PSYC1101 plus 3 additional credit hours of 1000 - level psychology.

Exclusions:

Unavailable to students with credit for PSYC201.

An introduction to the application of statistical methods to the solution of research problems in psychology. Commonly used elementary descriptive and inferential statistical procedures will be presented in a context emphasizing an understanding of the general principles of sampling error and hypothesis testing.

PSYC2111

RESEARCH METHODS IN PSYCHOLOGY

Credits: 3

Prerequisite:

PSYC2101

Exclusions:

Unavailable to students with credit for PSYSC203.

An introduction to the conduct of inquiry in psychology, including experimental design (internal and external validity), scientific paper writing, social psychological and ethical factors in the experimental situation and elementary philosophy of science.

PSYC2251

DRUGS AND BEHAVIOR

Credits: 3

Prerequisite:

PSYC1101 plus 3 additional credit hours of 1000 - level psychology.

Exclusions:

Unavailable to students with credit for PSYC225 or BIOL 225.

Cross-listed with BIOL2225 This course will review the basic principles and concepts of pharmacology, psychology and neurophysiology. Then the course concentrates on drug classes, recreational (e.g. alcohol and marijuana) and prescribed (e.g. benzodiazepines and antidepressants) and details the specific drugs within each class.

PSYC2253

HEALTH PSYCHOLOGY

Credits: 3

Prerequisite:

PSYC1101 plus 3 additional credit hours of 1000 - level psychology.

Exclusions:

Unavailable to students with credit for PSYC227 or PSYC325.

The course examines the role of psychological risk and protective factors in the promotion and prevention of health and illness. Topics covered include stress and coping, the psychological effects of patient-centered care, health-compromising behaviors and health promotion.

PSYC2401

FOUNDATIONS OF SOCIAL PSYCHOLOGY

Credits: 3

Prerequisite:

PSYC1101 plus 3 additional credit hours of 1000 - level psychology.

Exclusions:

Unavailable to students with credit for PSYC240 or PSYC2400

This course introduces social psychological theories and research dealing with such topics as the self, social cognition, compliance, conformity, obedience, social facilitation, social loafing, group decision making, aggression, attitudes, persuasion, prejudice, discrimination, conflict resolution, helping behaviour, interpersonal attraction, friendship, romantic relationships, and selected applications to media, law, sustainability, and health.

PSYC2403

ENVIRONMENTAL PSYCHOLOGY

Credits: 3

Prerequisite:

PSYC1101 plus 3 additional credit hours of 1000 - level psychology.

Exclusions:

Credit can not be obtained for both PSYC2701: Special Topics "Environmental Psychology" and PSYC2403/ENVI2403.

Note:

Added Feb 2, 2018 BK

Crosslisted with ENVI2403 Environmental Psychology is the study of the realities between humans and natural and built environments. Traditionally, the emphasis in environmental psychology has been on how human behaviour, feelings and well-being are impacted by the environment. Currently, there is an increased emphasis on how humans impact natural environments. This course will examine the theories guiding research in this field and review the research as it applies to topics such as the effects of weather and climate on behaviour and vice versa, urban and rural environments, crowding and personal space. Questions like "have you ever thought about why some people are committed recyclers while others toss items into the trash without a thought?" or even "How colours used to decorate an office space can improve productivity?" are samples of the kind of questions asked.

PSYC2403L

ENVIRONMENTAL PSYCHOLOGY LAB

Credits: 0

PSYC2501

FOUNDATIONS OF PERSONALITY PSYCHOLOGY

Credits: 3

Prerequisite:

PSYC1101 plus 3 additional credit hours of 1000 - level psychology.

Exclusions:

Unavailable to students with credit for PSYC250 or PSYC2500.

This course introduces the foundations modern personality research and theory. The basic questions and research findings in the areas of traits, genetics, neuroscience, self and identity, intrapsychic (unconscious) events, regulations, motivation, and cognition are considered. The focus will be on research results in each of these areas and their integrated interpretation.

PSYC2503

FOUNDATIONS OF ABNORMAL PSYCHOLOGY

Credits: 3

Prerequisite:

PSYC1101 plus 3 additional credit hours of 1000 - level psychology.

This course introduces the foundations abnormal psychology. Positive states of wellbeing and psychological health are considered and construed with states of pathology. Consideration of theory and research findings in the area of psychopathology will be interpreted from sociocultural and individual perspectives. Particular emphasis in course content is placed on the concepts of risk and protective factors.

PSYC2504

ABORIGINAL PSYCHOLOGY: INDIGENOUS MENTAL HEALTH & HEALING

Credits: 3

Prerequisite:

PSYC1101 plus 3 additional credit hours of 1000 - level psychology.

Note:

Added Feb 2, 2018 - BK

Introduces the theories and findings of Aboriginal psychologist, as well as (a) shared, central tenets of First Peoples' worldviews on holistic health, how they compare to a Euro-American perspective, and the problem of pan-Indianism, (b) the psychological effects of colonization, residential schools and intergenerational trauma on Indigenous communities, (c) how mainstream psychology contributed to this oppression but more recently is become a supportive ally of Indigenous communities, and (d) Indigenous healing programs and resilience.

PSYC2601

CHILD DEVELOPMENT

Credits: 3

Prerequisite:

PSYC1101 plus 3 additional credit hours of 1000 - level psychology.

Exclusions:

Unavailable to students with credit for PSYC260 or PSYC2600.

This course provides an introduction to human development from prenatal period to the end of childhood. Topics include change and consistencies in physical, cognitive, linguistic, emotional, and social domains. Theoretical perspectives and research are examined.

PSYC2603

ADOLESCENT & ADULT DEVELOPMENT

Credits: 3

Prerequisite:

PSYC2601

Exclusions:

Unavailable to students with credit for PSYC260 or PSYC2600.

This course builds on PSYC2601. It provides an introduction to human development from adolescence to death. Topics include change and consistencies in physical, cognitive, linguistic, emotional, and social domains. Theoretical perspectives and research are examined.

PSYC2605

GERONTOLOGY: INTERDISCIPLINARY PERSPECTIVES ON AGING

Credits: 3

Prerequisite:

PSYC1101 plus 3 additional credit hours of 1000 - level psychology.

Note:

Added Feb 2, 2018 - BK

Given Canada is an aging society, there is a growing interest in the phenomenon of aging from a variety of perspectives. Students are introduced to gerontology through developmental lifespan study of the aging process. Relevant concerns of the aged will be discussed and the student will examine these themes as it relates to older adults of Cape Breton. Students are also given the opportunity to develop an understanding of the factors affecting the lives of older adults from a multidisciplinary perspective. The content examines: overview of population aging; theories and research in gerontology; aging from physical, psychological and sociology perspectives; normal and pathological changes as people age; health in later life; families and social support; caregiving; and issues concerning the end of life.

PSYC2701

SPECIAL TOPICS IN PSYCHOLOGY

Credits: 3

Note:

Updated June 16, 2017 SML

Environmental Psychology Environmental Psychology is the study of the relationship between humans and natural and built environments. Traditionally, the emphasis in environmental psychology has been on how human behaviour, feelings and well-being are impacted by the environment. Currently, there is an increased emphasis on how humans impact natural environments. This course will examine the theories guiding research in this field and review

the research as it applies to topics such as the effects of weather and climate on behaviour, and vice versa, urban and rural environments, crowding and personal space. Questions like "Have you ever thought about why some people are committed recyclers while others toss items into the trash without a thought?" or even "How colours used to decorate an office space can improve productivity?" are samples of the kind of questions asked.

PSYC2703

SPECIAL TOPICS IN PSYCHOLOGY

Credits: 3

Note:

Updated June 16, 2017 SML

Gerontology: Interdisciplinary Perspectives on Aging Given Canada is an aging society, there is a growing interest in the phenomenon of aging from a variety of perspectives. Students are introduced to gerontology through a developmental lifespan study of the aging process. Relevant concerns of the aged will be discussed and the student will examine these themes as it relates to older adults of Cape Breton. Students are also given the opportunity to develop an understanding of the factors affecting the lives of older adults from a multidisciplinary perspective. The content examines: overview of population aging; theories and research in gerontology; aging from physical, psychological and sociological perspectives; normal and pathological changes as people age; health in later life; families and social support; caregiving; and issues concerning the end of life.

PSYC2704

SPECIAL TOPICS IN PSYCHOLOGY

Credits: 3

Note:

Updated June 16, 2017 SML Request made by Heather Schmidt; approved by Dave MCorquodale to remove information regarding Labs/Field Trips.... etc. will now be offered on campus at CBU instead of in community. ~ June 19, 2017 BK

Aboriginal Psychology: Indigenous Mental Health and Healing Introduces the theories and findings of Aboriginal psychologists, as well as (a) standard, central tenets of First Peoples' worldviews on holistic health, how they compare to a Euro-American perspective, and the problem of pan-Indianism, (b) the psychological effects of colonization, residential schools and intergenerational trauma on the Indigenous communities, (c) how mainstream psychology contributed to this oppression but more recently is becoming a supportive ally of Indigenous communities, and (d) Indigenous healing programs and resilience.

PSYC3101

RESEARCH PRACTICUM IN PSYCHOLOGY

Credits: 3

Prerequisite:

12 credits in Psychology, including PSYC2111.

Exclusions:

Unavailable to students with credit for PSYC303

Designed to give students practical experience in planning, conducting and evaluating psychological research. Topics include various ANOVA, correlational and multivariate designs. Weekly lab assignments require students to use computer packages to perform analyses, interpret and report the results. This course fulfils the BSc computer proficiency requirement.

PSYC3103

QUALITATIVE METHODS IN PSYCHOLOGY

Credits: 3

Prerequisite:

12 credits in Psychology, including PSYC2111.

Exclusions:

Unavailable to students with credit for PSYC393.

This course introduces students to qualitative research methodology in psychology, in which words/language/text serve as the primary source of data. Naturalistic observation, case studies, focus groups, archival studies, participatory research will be taught, as will analysis methods (e.g. grounded theory, narrative analysis, content analysis). Examples will be drawn from counselling/clinical psychology, personality psychology, cultural psychology, community psychology, and experiential studies of emotion and memory. Students will also be directed through the steps of completing a small-scale qualitative interview study on a topic of their choice.

PSYC3109

APPLIED SPORT & EXERCISE PSYCHOLOGY

Credits: 3

Prerequisite:

12 credits in Psychology.

Cross-listed with SPAL3109 Explores the concepts and modern theories of sport and exercise psychology. Students learn relevant psychological skills with emphasis placed on developing and applying positive strategies and perspectives that enhance quality and consistency of performance in the sport and exercise context.

PSYC3201

MOTIVATION

Credits: 3

Prerequisite:

12 credits in Psychology.

Exclusions:

Unavailable to students with credit for PSYC311.

This course considers the many reasons why people behave as they do. The interwoven physiological, cognitive and social processes that combine to energize behaviour and give it direction will be studied. Motives may be internal or external, they may complement or oppose each other and the motivations we experience often help us define our sense of self. Particular emphasis will be given to the often misunderstood nature of emotions and the central role they play in motivating behaviour.

PSYC3203

LEARNING

Credits: 3

Prerequisite:

12 credits in Psychology.

Exclusions:

Unavailable to students with credit for PSYC309 or PSYC211

The fundamental principles of learning derived from research with animal and human subjects and the application of these principles to the understanding and prediction of behaviour.

PSYC3203L

LEARNING LAB

Credits: 0

PSYC3204

ANMAL BEHAVIOR

Credits: 3

Prerequisite:

BIOL1601and BIOL2503 (Biology) or 12 credits in PSYC, with a 60% average (Psychology)

Cross-listed with BIOL3503 Provides opportunities to discover the influence of evolution, genetics, development and physiology on the feeding, antipredator behaviour and mating behaviour of animals. Students participate in the process of science by making and reporting on field observations. Course includes lab component.

PSYC3204L

ANIMAL BEHAVIOR LAB

Credits: 0

PSYC3205

SENSATION & PERCEPTION

Credits: 3

Note:

desc added to ac June 21, 2019 BK

An introduction to the physical, psychological and neurophysiological principles and mechanisms associated with coding and representing information from sensory systems into the brain and consciousness. Visual perception is emphasized and principles taught in this modality are extended to hearing, touch, taste, smell and proprioception.

PSYC3211

COGNITION

Credits: 3

Prerequisite:

12 credits in Psychology.

Exclusions:

Unavailable to students with credit for PSYC319 or PSYC221.

Cognition refers to the mental processes used in acquiring, storing, elaborating, retrieving and using information. Topics covered in this survey of cognitive psychology include attention, memory, pattern recognition, mental imagery, psycholinguistics, the mental structure of general knowledge, problem-solving, concept formation and decision-making.

PSYC3213

PHYSIOLOGICAL PSYCHOLOGY

Credits: 3

Prerequisite:

12 credits in Psychology.

Exclusions:

Unavailable to students with credit for PSYC321.

Physiological psychology stresses the approach, methods, and concepts of the biological sciences as tools to increase our understanding of the human mind and behaviour. This course will explore the roles of biological factors in such areas of psychology as perception, motivation, learning, thinking, language and psychopathology. Information about the anatomy and physiology of the human nervous system is presented in order to provide the necessary context.

PSYC3301

SPECIAL ISSUES IN CHILDREN'S RIGHTS

Credits: 3

Prerequisite:

6 credits of 1000 level Political Science or Psychology or permission of instructor.

Exclusions:

Unavailable to students with credit for PSYC379 or POLS379

Note:

for June 10th 2013. Here is the relevant passage "Heather Schmidt moved that the SAC support the Psychology Department's request to de-cross-list the 2 children's rights courses (POLS/PSYC 2117 and POLS 3113/PSYC 3301) and withdraw the courses from the roster of psychology course offerings. Seconded by Rachel Baker. Motion carried (5-1-1).

The course examines the principle of the best interests of the child and application of the principle to policies and practices in the areas of sexual exploitation, youth justice, child custody, street-involved children, Aboriginal children, children's environmental health, child rights education, and refugee and war-affected children.

PSYC3303

POSITIVE PSYCHOLOGY

Credits: 3

Prerequisite:

12 credits in Psychology.

Exclusions:

Unavailable to students with credit for PSYC371.

Much of psychology is focused on disorders and what has gone wrong in development. Positive psychology is the study of how human beings prosper. The goal of positive psychology is to identify and enhance the human strengths and virtues that help human beings prosper and live well. This course will provide an introduction to positive psychology. It is designed to explore the concepts, research behind the concepts, techniques, and exercises that enhance well-being. The format of the course will be both experiential and research-based. Readings and exercises will be given weekly. A key component will be online participation by the students in small groups

PSYC3304

COMMUNITY PSYCHOLOGY

Credits: 3

Prerequisite:

12 credits in Psychology.

This course introduces students to the principles of community psychology. Topics will include teenage pregnancy, poverty, crime and depression. Interventions and preventive strategies focusing on empowerment and social change will be the central focus of the course.

PSYC3401

APPLIED SOCIAL PSYCHOLOGY

Credits: 3

Prerequisite:

12 credits in Psychology, including PSYC2401 or PSYC2400.

This course presents an overview of scientific research methods, intervention, and evaluation in applied social psychology, and then surveys theories and research dealing with applications of social psychological knowledge to various domains such as education, health, psychological therapies, law, media, organizations, community, diversity, environment, sports, personal relationships, and well-being.

PSYC3501

ABNORMAL PSYCHOLOGY

Credits: 3

Prerequisite:

12 credits in Psychology, including PSYC2500 or PSYC2501 and PSYC2503.

Exclusions:

Unavailable to students with credit for PSYC371.

This course examines the genetic, familial and sociocultural correlates of abnormal behavior and psychological disorders. The concept of psychopathology is analysed from cross-cultural, socioeconomic and political perspectives

PSYC3503

PERSONALITY PSYCHOLOGY: TESTS AND MEASUREMENT

Credits: 3

Prerequisite:

12 credits in Psychology, including PSYC2101, PSYC2111, PSYC2500, or PSYC2501.

This course will examine psychological testing in general and personality tests in particular. The development of testing, the use and misuse of tests, will be explored. Specific psychological tests will be evaluated in their historical context and present usage. Psychometric assessments of the quality of measurement will consider reliability and validity, test construction theory, and the valuation of items. Students will construct and evaluate their own measure of a personality trait.

PSYC3611

THE PSYCHOLOGY OF ADOLESCENCE

Credits: 3

Prerequisite:

12 credits in Psychology, including PSYC2600 or PSYC2601/2603.

Exclusions:

Unavailable to students with credit for PSYC361

The developmental patterns and experiences of contemporary adolescents are examined from an ecological theoretical perspective.

PSYC3651

HUMAN SEXUALITY AND SEX EDUCATION

Credits: 3

Prerequisite:

12 credits in Psychology.

Exclusions:

Unavailable to students with credit for PSYC265 or PSYC365

Few topics raise controversy as quickly as discussions of human sexuality, yet it is normal human behaviour. Topics covered in this course include historical and cultural perspectives on sexuality, anatomy, hormones, conception and birth, contraception, sexual dysfunction, gender issues, arousal and communication, attraction and love, sexual orientation, sexually transmitted infections, erotica and pornography, sexual coercion and sexual variation. Students in this course will learn the human sexual response and how it interacts with cognitive and social processes that surround sex, in order to gain a better appreciation for the diversity of sexual practices and opinions.

PSYC4101

HISTORY OF PSYCHOLOGY

Credits: 3

Prerequisite:

18 credits in Psychology

Exclusions:

Unavailable to students with credit for PSYC431

The development of psychology in Western civilization from approximately 1800 to the present, focusing on certain key, perennial issues.

PSYC4211

ADVANCED COGNITION

Credits: 3

Prerequisite:

18 credits in Psychology, including PSYC3211.

Exclusions:

Unavailable to students with credit for PSYC421.

Focuses on higher mental activities such as language, memory, thinking, decision-making, creativity and problem solving including applications in education, business and other situations.

PSYC4231

NEUROBIOLOGY

Credits: 3

Prerequisite:

18 credits in Psychology, including PSYC3213 or BIOL3200.

Exclusions:

Unavailable to students with credit for PSYC423 or BIOL423

Cross-listed with BIOL 4201 This course introduces basic anatomical and physiological principles of neuroscience extending from basic biophysical properties of neurons and glia, to the physiological basis of sensory processing, motor behaviour, learning and memory. Neurobiology differs from PSYC3213 in that it will go into significantly greater depth on basic physiology and will not attempt the general survey of all behaviour.

PSYC4401

ADVANCED TOPICS IN SOCIAL PSYCHOLOGY

Credits: 3

Prerequisite:

18 credits in Psychology, including PSYC2400 or PSYC2401.

Exclusions:

Unavailable to students with credit for PSYC441

This course addresses the evolving role of individual differences in contemporary social psychology. It begins with methodological strategies and the impact of selected personality variables on social behaviour. The focus then turns to three recent productive theoretical approaches (i.e., psychological geography, threat and authoritarian tendencies, and terror management theory) and highlights various social psychological phenomena within the context of these particular approaches. The course concludes with an evaluation of the importance of personality in social psychology.

PSYC4403

ADVANCED SOCIAL PSYCHOLOGY THEORY

Credits: 3

Prerequisite:

18 credits in Psychology with a 60% average, including PSYC2400.

Exclusions:

Unavailable to students with credit for PSYC443

An overview of social psychological theory as well as a framework for integrating social psychological research and understanding social change.

PSYC4503

CLINICAL PSYCHOLOGY

Credits: 3

Prerequisite:

18 credits in Psychology with a 60% Psychology average recommended, including PSYC3501.

This course introduces students to the field of clinical psychology, tracing its historical roots to its present-day applications. Topics include: diagnosis and classification, assessment, treatment, ethics and training practices. A variety of psychotherapeutic interventions are discussed and assessed.

PSYC4504

SELECTED TOPICS IN MENTAL HEALTH

Credits: 3

Prerequisite:

18 credits in Psychology are required.

Note:

description added June 21, 2019 bk

An advanced lecture/seminar course dealing with current theories and research concerning mental health issues. The course is team taught, and topics vary from year to year and highlight specialized areas based on the expertise of Psychology faculty. Topics will be drawn from a wide range of areas in Psychology including cognitive processes, neuroscience, development, personality, and culture.

PSYC4571

COUNSELLING PSYCHOLOGY

Credits: 3

Prerequisite:

18 credits in Psychology

Exclusions:

Unavailable to students with credit for PSYC485.

This course examines the major theories of counseling, introduces the basic interviewing skills practised by those in the helping professions and acquaints students with a variety of counseling applications.

PSYC4611

ADVANCED DEVELOPMENTAL PSYCHOLOGY

Credits: 3

Prerequisite:

18 credits in Psychology including PSYC2600 or PSYC2601 and PSYC2603.

Exclusions:

Unavailable to students with credit for PSYC461.

This course will examine contemporary issues in developmental psychology.

PSYC4800

DIRECTED STUDY

Credits: 6

Prerequisite:

18 credits in Psychology and Dean's approval.

Students may select a course of study on any psychological topic of special interest to them, for which an appropriate faculty supervisor can be found. The student must obtain the consent of a faculty member to act as a supervisor before registering for this course.

PSYC4801

DIRECTED STUDY

Credits: 3

Prerequisite:

18 credits in Psychology and Dean's approval.

Students may select a course of study on any psychological topic of special interest to them, for which an appropriate faculty supervisor can be found. The student must obtain the consent of a faculty member to act as a supervisor before registering for this course.

PSYC4803

DIRECTED STUDY

Credits: 3

Prerequisite:

18 credits in Psychology and Dean's approval.

Students may select a course of study on any psychological topic of special interest to them, for which an appropriate faculty supervisor can be found. The student must obtain the consent of a faculty member to act as a supervisor before registering for this course.

PSYC4900

HONOURS SEMINAR & THESIS

Credits: 6

Prerequisite:

At least 36 credits in Psychology with an average of 75%, including PSYC3101 either completed or concurrent

This course is for honours students in Psychology (BA or BSc). The purpose of the course is to assist students in completing their honours thesis projects. The honours thesis is an original empirical study carried out during the academic year. The weekly seminar component of the course will allow students to discuss their research as it progresses, to share ideas and both assist and learn from each other as they complete their research project. Students also meet one-on-one with a faculty advisor who will provide guidance as the research project unfolds.

PUBH1101

CELLULAR PROCESSES & ENVIRONMENTAL EFFECTS

Credits: 3

Exclusions:

Unavailable to students with credit for PUBH101 or BIOL1101 or BIOL101.

The anatomy and physiology of the cell, with a special focus on the processes (transport membranes, internal respiration, mitosis, protein synthesis) which are most vulnerable to the pathological effects of toxic agents. Major environmental effects are also examined including mutations, reproductive effects, birth defects and cancer.

PUBH1103

ENVIRONMENTAL ISSUES IN PUBLIC HEALTH

Credits: 3

Prerequisite:

Unavailable to students with credit for PUBH122.

Exclusions:

Unavailable to students with credit for PUBH122.

Note:

This course is not available for transfer credit from elsewhere. This broad survey course outlines the importance of undertaking the study of human health in relationship to the environment and development and environmental changes. Issues in Public Health, ranging from local to global, are discussed. Topics impacting public health include; climate change, global warming, biodiversity loss, erosion, land degradation, deforestation and desertification. Topics required by CIPHI in the Canadian context include zoning and land use planning issues. Domestic and international examples of green infrastructure, ecological design, urban forest planning and other topics in relation of public health are studied.

PUBH1104

PHYSICAL AGENTS & THEIR HEALTH EFFECTS

Credits: 3

Exclusions:

Unavailable to students with credit for PUBH131.

Discussion of various physical agents, with a focus on their health effects. Topics covered include electromagnetic spectrum, temperature extremes, noise, and ergonomics.

PUBH1999

WORK PLACEMENT I

Credits: 0

PUBH2101

MUNICIPAL SERVICES

Credits: 3

Exclusions:

Unavailable to students with credit for PUBH204.

Municipal water and wastewater services will be examined from a public health perspective. Concepts covered include chemical, physical and biological properties of water and wastewater, sampling protocol, processing, distribution, design components, hydrology, storm water control, innovative technology and a fundamental understanding of the legislation and regulations governing the water and wastewater industry. Field trips will complement the lecture principles.

PUBH2103

PUBLIC HEALTH LAW

Credits: 3

Exclusions:

Unavailable to students with credit for PUBH211.

Students will become acquainted with the legal process associated with environmental and public health issues. The course includes an overview of legislation and case law associated with environmental and public health issues. The process of enforcement of legislation and defence of alleged violations is included in the course content.

PUBH2104

ANATOMY & PHYSIOLOGY

Credits: 3

Prerequisite:

PUBH1101 or BIOL1101 or permission of instructor.

Exclusions:

Unavailable to students with credit for PUBH214, BIOL2203, BIOL3200 AND BIOL3203

Note:

DEC 2014 EDIT - CHANGE TO EXCLUSIONS

An introduction to the major organ systems and the roles they play in the maintenance of normal function, particularly when confronted with infectious diseases and other environmental threats.

PUBH2105

PUBLIC HEALTH INSPECTION

Credits: 3

Exclusions:

Unavailable to students with credit for PUBH217.

Note:

Course description was changed April 15, 2019 at the request of Helen Mersereau, Chair of BHC (PB). Previous course description "Assessment for and design of on-site sewage disposal systems. Characteristics of potable water from ground and surface sources, including source protection, treatment procedures and monitoring. Recreational water standards, management and monitoring."

Potable water from ground and surface sources. Assessment and design of private onsite sewage disposal systems. Health hazard identification. Waterborne illnesses, including major pathogens, their characteristics and control measures. Housing considerations including health standards, legislation and appropriate courses of action.

PUBH2106

FOOD QUALITY

Credits: 3

Exclusions:

Unavailable to students with credit for PUBH224

An introduction to basic food chemistry, including the physical properties and chemical reactions of water, lipids, fats, oils, carbohydrates, proteins and enzymes. Primary processing of meat and poultry, dairy and egg products will be considered and techniques of food grading discussed. The use of food additives, including colour additives, will also be examined.

PUBH2107

EMERGENCY PREPAREDNESS

Credits: 3

Prerequisite:

Unavailable to students with credit for PUBH227.

An introductory course addressing fundamental concepts and approaches. Links the ideals and ideas of public health with the disaster and emergency management fields. Types of disasters and their consequences are considered, along with the role of public health professionals in planning and response, bioterrorism issues, recovery and reconstruction and responsive evaluation.

PUBH2108

ENGINEERING ISSUES IN PUBLIC HEALTH

Credits: 3

Exclusions:

Unavailable to students with credit for PUBH234.

Provides an introduction to several engineering disciplines which are part of the academic requirements for CIPHI certification. Included are an overview of engineering drawing technique, HVAC, blueprint reading and the basics of surveying. It is intended to provide the basis for understanding these issues without in-depth design focus.

PUBH2999

WORK PLACEMENT II

Credits: 0

PUBH3101

FOOD HYGIENE

Credits: 3

Exclusions:

Unavailable to students with credit for PUBH314.

Topics include strategies for food safety, prevention and investigation of food borne illness, food preservation, HACCP, inspection, recall procedures and regulation review. Presented in the facilities for food preparation of the Hospitality Administration program. Labs will be every other week.

PUBH3103

PUBLIC HEALTH ADMINISTRATION

Credits: 3

Exclusions:

Unavailable to students with credit for PUBH317.

Considers the fundamentals of public administration for public health programs including the levels of organization. The processes of policy development, interactive planning, strategic planning, program implementation, evidence gathering and performance management are examined.

PUBH3104

TOXICOLOGY

Credits: 3

Prerequisite:

PUBH2104 or BIOL3200.

Exclusions:

Unavailable to students with credit for PUBH322

Basic concepts of toxicology are introduced, followed by instruction in the physiological mechanism of toxic agents on the body. Topics include dose response calculations, determination of margins of safety, a review of the toxicology of natural and man-made chemicals and a discussion of scientific research principles.

PUBH3105

PUBLIC HEALTH ETHICS

Credits: 3

Exclusions:

Unavailable to students with credit for PUBH327.

Public health practice demands that scientific considerations be blended with political realities questions of autonomy and jurisdiction, individual rights, social justice, coercion, norms of research, multi-cultural values, and the common good. This unit is intended as a resource to enhance and encourage thoughtful, well informed and critical discussions of ethical issues in public health.

PUBH3106

EPIDEMI OLOGY

Credits: 3

Exclusions:

Unavailable to students with credit for PUBH395.

This course covers the development and history of epidemiology with its importance to public health. Topics include incidence, prevalence, cohort studies, risk ratios, rates of disease, mortality, morbidity, case control studies and experimental studies. The relevance of study results is discussed along with a determination of the advantages and disadvantages of the varying study designs.

PUBH3107

FIRE, SAFETY, AND SECURITY

Credits: 3

Prerequisite:

One year of post secondary education or permission of the instructor.

This course will provide the student with exposure to many facets of the workplace fire, safety and security. The goal of the course is to ensure the student is capable of recognizing risks and controlling those risks to an acceptable level within the legislative framework and technical abilities of the workplace. Topics will include fire prevention and protection, laboratory safety, building codes and standards, process (fault tree and event tree) analysis, confined spaces, fall protection , mechanical safety, hazardous energy controls, personal protective equipment and other related safety technologies and theories.

PUBH3108

PUBLIC HEALTH INSPECTION II

Credits: 3

Prerequisite:

Pre-requisite: PUBH2105

Note:

Added by BK June 18, 2019

This course will examine surface, Coastal and Ground Water contamination. It will also review recreational facilities, including their inspection, facility operations, monitoring and enforcement, safety equipment and emergency procedures. Ambient Air Quality, including interpretation of samples, health hazard mitigation and communication will also be covered.

PUBH3999

WORK PLACEMENT III

Credits: 0

PUBH4101

HEALTH RISK ASSESSMENT

Credits: 3

Exclusions:

Unavailable to students with credit for PUBH411.

Introduces the fundamentals of risk assessment and demonstrates their application to selected environmental and public health concerns. Problem definition and step-wise analysis techniques will be stressed using practical case examples. A four-step process is taught: risk identification, risk evaluation, risk management and risk control.

PUBH4103

COMMUNICABLE DISEASE CONTROL

Credits: 3

Prerequisite:

6 credits in Public Health.

Exclusions:

Unavailable to students with credit for PUBH417.

Examines the role of health personnel in the control of infectious disease in institutional

environments, with respect to appropriate preventive policy and procedures, inspection and investigation. Particular attention is paid to problem areas unique to hospitals, schools, housing and facilities for child and adult care. Recreational, animal care, and personal services facilities are examined in addition to biomedical waste handling and response to nuisance-type situations. Strategies for managing vaccine-preventable, sexually transmitted, and emerging infectious diseases are also discussed.

PUBH4104

FOOD BORNE DISEASES

Credits: 3

Prerequisite:

3 credits in Introductory Microbiology.

Exclusions:

Unavailable to students with credit for PUBH419.

A survey of the agents of food borne disease. Bacteria, viruses, protozoa and parasites all play a role in various diseases related to food contamination. How food becomes contaminated, the health effects of contamination and preventive measures will be discussed. Laboratory sessions will focus on methods of detection, isolation and enumeration of organisms associated with food.

PUBH4105

OCCUPATIONAL HEALTH & SAFETY LEGISLATION

Credits: 3

Exclusions:

Unavailable to students with credit for PUBH421.

Specific jurisdictional legislation dealt with includes the Canadian Federal Labour Code, the Nova Scotia Occupational Health and Safety Act and the American Occupational Health and Safety Act. Material will be presented using lectures and review of appropriate legislative documents.

PUBH4106

PUBLIC HEALTH EDUCATION

Credits: 3

Prerequisite:

6 credits in Public Health.

Exclusions:

Unavailable to students with credit for PUBH427.

Principles of adult education are examined and are used to present and address current issues in the public health realm, including healthy public policy, health promotion, population health, chronic diseases, injury prevention, sexually transmitted disease and lifestyle considerations.

PUBH4107

QUALITY & ENVIRONMENTAL PROJECT MANAGEMENT

Credits: 3

Exclusions:

Unavailable to students with credit for PUBH435.

This course will provide an overview of the fundamentals of project management and an introduction to the areas of quality management and environmental management. Various concepts, including budgeting, time management, resource allocation, organizational behaviour and interpersonal skills, quality systems and metrics, environmental auditing, decision-making processes and analysis of RfPs will be examined. Project management and its role in public health applications and in the environmental sector will be discussed. .

PUBH4108

BIOCONTAMINANTS IN INDOOR ENVIRONMENTS

Credits: 3

Exclusions:

Unavailable to students with credit for PUBH441.

Note:

pre-reqs removed - January 20, 2016 at request of Helen Mersereau and dept vote.

An examination of the various biocontaminants that may be found in indoor environments and their effects on the health of occupants. The diversity, prevalence and health effects of fungi will be examined in detail. Methods of site evaluation, sampling and remediation will be discussed, as well as control strategies. Bacteria, dust mites, pet dander and other biocontaminants will also be examined in the context of their potential health effects.

PUBH4109

WASTE MANAGEMENT

Credits: 3

Exclusions:

Unavailable to students with credit for PUBH457.

Waste Management provides an overview of waste disposal in society and the implications such disposal has on the health of the public and the environment. This course addresses fundamental concepts and approaches to management of hazardous and non-hazardous waste. Considered are classification, tracking, reduction, reuse, recycling, collection, disposal and end use of waste streams, and the treatment/beneficial reuse of non-hazardous/hazardous wastes, inclusive of innovative technologies and the development of legislation/development of guidelines, regulations and standards. The role of public health and environmental professionals in regulatory compliance and control as well as spill response will be examined. The course concludes with evaluation and control strategies the public health inspector might recommend.

PUBH4111

INTEGRATED PEST MANAGEMENT

Credits: 3

Exclusions:

Unavailable to students with credit for PUBH466.

The concept of integrated pest management and the elements of the IPM approach are discussed. Options for pest control in various sectors and environments are examined, as are the characteristics and life cycles of common insect and rodent pests. Pesticides, along with their control and application are considered.

PUBH4113

SAFETY SYSTEMS

Credits: 3

Prerequisite:

Note:

Pre-reqs removed at request of Helen Mersereau. approved at dept meeting jan 15, 2016

This course will provide a review of safety management concepts, with a focus on accident theory, organizational behaviour, program design and their application to today's workplaces. The topics covered will include process and conflict management, accident philosophies, safety program analysis and design and other aspects of safety management theory.

RELS1115

INTRODUCTION TO WORLD RELIGIONS: EASTERN TRADITIONS

Credits: 3

Exclusions:

Unavailable to students with credit for RELS115, HIST115, HUMA115, or RELS110.

Cross-listed with HIST1115 and HUMA1104 The history, practice and meaning of the Hindu and Buddhist traditions will be examined along with Jainism and Sikhism. Their contribution to our understanding of religion as a whole and present day role of these traditions in world events will be discussed.

RELS1117

INTRODUCTION TO WORLD RELIGIONS: WESTERN TRADITIONS

Credits: 3

Exclusions:

Unavailable to students with credit for RELS117, HIST117, HUMA117 or RELS110.

Cross-listed with HIST1117 and HUMA1105 Judaism, Christianity and Islam are three great world religions that have influenced present day Western society. This course will examine the origins, major historical developments, cultural influence and teachings of these world religions. There will also be an emphasis on the role these religions play in current world events and politics.

RELS2101

INTRODUCTION TO THE BIBLE: THE HEBREW SCRIPTURES

Credits: 3

Exclusions:

Unavailable to students with credit for RELS101.

Examines the record of the Israelite's experience of God as recorded in the Hebrew Bible.

RELS2103

INTRODUCTION TO THE BIBLE: THE NEW TESTAMENT

Credits: 3

Exclusions:

Unavailable to students with credit for RELS103.

The New Testament is examined as a record of the experience of the first generation of Christians.

RELS2104

CELTIC RELIGION: DRUIDISM

Credits: 3

Exclusions:

Unavailable to students with credit for RELS271

This course studies the history, philosophy, teachings and practices of the pagan religion, Druidism, among the Celtic peoples of England, Scotland, Wales and Ireland before the dawn of Christianity in the fifth century, A.D.

RELS2105

CELTIC RELIGION II:CHRISTIANITY

Credits: 3

Exclusions:

Unavailable to students with credit for RELS273.

Covers the spread of Christianity to England, Scotland, Wales, and Ireland and the clash which developed between Celtic and Roman Christianity.

RELS2106

CULTS AND NEW RELIGIOUS MOVEMENTS

Credits: 3

Exclusions:

Unavailable to students with credit for RELS295

This course introduces students to various new religious movements - or "cults" in popular discourse. The course examines their origins, beliefs and practices and provides an understanding to these new religious movements through the social scientific study of religion. Possible groups for consideration may include The Branch Davidians, Jonestown, The Church of Scientology, The Children of God (The Family), Wicca, Hare Krishna and Falon Gong.

RELS2109

THE EXISTENCE OF GOD

Credits: 3

Exclusions:

Unavailable to students with credit for RELS1113 or PHIL1113.

Cross-listed with PHIL2109 The question concerning the existence of God is perplexing, since it arises in history but points to a reality beyond history. What can we know about God?

RELS2125

DEATH & DYING: DYING & VALUES

Credits: 3

Exclusions:

Unavailable to students with credit for RELS257 or PHIL257.

Cross-listed with PHIL2125 Death as a process of life. Cardiac, whole brain, and higher brain definitions of death, interdisciplinary perspectives, moral standing and ethical principles, death condemnation and embalming, DNR and DNH orders, transplants and living wills.

RELS2127

DEATH & DYING: DEATH, HEALING, & AGEING

Credits: 3

Exclusions:

Unavailable to students with credit for RELS259 or PHIL259.

Cross-listed with PHIL2127 Heidegger, Sartre and Marcel on the nature of death. Healing techniques: good and bad grief, ageing as a process, the metaphysical structure of death as such (what death is like to the dead).

RELS2129

SPIRITUALITY & HEALTH

Credits: 3

Exclusions:

Available to non nursing students only with permission of the instructor. Unavailable to students with credit for RELS265 or PHIL265.

Cross-listed with PHIL2129 Required for all students in the BSc Nursing Program. Introduces students to the links between spirituality, medicine, disease and illness as they relate to health and healing techniques throughout the lifespan. Health arises at the intersection of these links. This course is directed toward students in the nursing program though other students may enroll.

RELS2131

RELIGION & HEALTH

Credits: 3

Prerequisite:

RELS2129

Exclusions:

Available to non- nursing students only with permission of the instructor. Unavailable to students with credit for RELS267 or PHIL267.

Cross-listed with PHIL2131 Required for all students in the BSc Nursing Program. Introduces students to the links between religion, culture, and health. The major world religions offer guidance on how to live harmoniously with self, others and the environment, thereby playing a focal role in health issues. This course is directed toward students in the nursing program though other students may enroll.

RELS2141

RELIGION & TRADITION

Credits: 3

Exclusions:

Unavailable to students with credit for RELS241

This course introduces students to religious themes and ideas that may be found in literary forms such as novels, poetry, and children's stories from various cultural backgrounds.

RELS2143

RELIGION & POPULAR CULTURE

Credits: 3

Exclusions:

Unavailable to students with credit for RELS243.

Increasingly in modern society, films have become the forum for presentation of religious ideas. In this course, we will examine how the medium of film has shaped our ideas on various religious themes.

RELS2161

HISTORY OF CHRISTIANITY I: THE CHRISTIANIZATION OF WESTERN EUROPE

Credits: 3

Prerequisite:

HIST1100 or 6 credits Humanities.

Exclusions:

Unavailable to students with credit for RELS261 or HIST261.

Cross-listed with HIST2108 The rise of Christianity from its origins as a sect within Judaism to its domination of life in medieval Europe.

RELS2163

HISTORY OF CHRISTIANITY II: CHRISTIANITY & THE MODERN WORLD

Credits: 3

Prerequisite:

HIST1100 or 6 credits Humanities

Exclusions:

Unavailable to students with credit for RELS263 or HIST263.

Cross-listed with HIST2109 The history of Christianity from the reformations of the sixteenth century to the present.

RELS2180

LIBERATION THEOLOGY

Credits: 6

Exclusions:

Unavailable to students with credit for RELS280.

Liberation Theology is characterized by continual reference to the social, economic and cultural experience of the people of Latin America, combined with a creative reading of the Bible and the Christian tradition.

RELS2191

WOMEN IN WESTERN RELIGIOUS TRADITION

Credits: 3

Exclusions:

Unavailable to students with credit for RELS291.

Feminist theology has developed recently as a critique and reinterpretation of traditional theology of women. The course examines this new theology and the new insights it generates in the Western religious tradition.

RELS2193

WOMEN IN EASTERN RELIGIOUS TRADITION

Credits: 3

Exclusions:

Unavailable to students with credit for RELS293

Note:

CROSS-LISTING ADDED JUNE 21, 2019

Feminist theology has developed recently as a critique and re-interpretation of traditional theology of women. This course examines this new theology and the new insights it generates in the Eastern religious tradition.

RELS3101

MYSTICISM

Credits: 3

Prerequisite:

6 credits in Religious Studies

An examination of the great mystical traditions from East to West; the validity and merit of chemically induced mystical states of consciousness; and, the stages of mystical development within the spiritual experience. A variety of ecstatic phenomena from a number of different cultures will be considered as an introduction to the subject.

RELS3130

RELIGION & APOCALYPTICISM

Credits: 6

Exclusions:

Unavailable to students with credit for RELS330.

Explores the prophetic and apocalyptic texts of the Hebrew Bible in their relevance for Judaism and Christianity today.

RELS3153

RELIGIOUS PERSECUTION TO RELIGIOUS LIBERTY I (TO 1600)

Credits: 3

Prerequisite:

6 credits of Philosophy, HIST1100, or 6 credits of Humanities.

Exclusions:

Unavailable to students with credit for RELS353, HIST353, or PHIL353.

Cross-listed with HIST3201 and PHIL3201 This course examines ideas about religious intolerance, toleration and liberty, from antiquity to the sixteenth century. Students will read and discuss important texts. Historical, theological and philosophical perspectives will be introduced.

RELS3155

RELIGIOUS PERSECUTION TO RELIGIOUS LIBERTY II (FROM 1600)

Credits: 3

Prerequisite:

RELS3153.

Exclusions:

Unavailable to students with credit for RELS355, HIST355 and PHIL355.

Cross-listed with HIST3203 and PHIL3203 A continuation of RELS3153. The seventeenth century worked out ideas presented during the Reformation, while the Enlightenment launched an all-out assault on bastions of intolerance. Modern approaches, theological and philosophical, along with contemporary declarations, e.g. United Nations and Vatican II, will also be read.

RELS3159

NIETZSCHE & THE DEATH OF GOD

Credits: 3

Prerequisite:

6 credits of PHIL or RELS

Note:

Course description added at request of Rod Nicholls Jan 14, 2019

Cross-listed with PHIL3159 "God is dead" usually refers to the violence and nihilism of the

twentieth century. But what did Nietzsche really mean? Did he imagine a future for human beings without God? Or Religion?

SASC2989

BA/BACS CO-OP WORK TERM I

Credits: 3

SASC3989

BA/BACS CO-OP WORK TERM II

Credits: 3

SASC4989

BA/BACS CO-OP WORK TERM III

Credits: 3

SASS4751

SPECIAL TOPICS: SASS: INTERDISCIPLINARY SEMINAR

Credits: 3

SASS4753

SPECIAL TOPICS: SASS: INTERDISCIPLINARY SEMINAR

Credits: 3

SASS4754

SPECIAL TOPICS: SASS: INTERDISCIPLINARY SEMINAR

Credits: 3

SASS4900

SASS MAJOR / HONOURS THESIS

Credits: 6

Note:

Updated June 16, 2017 SML

An original research project under faculty supervision, with scheduled tutorials and class meetings held throughout the year.

SOCO1301

INTRODUCTION TO SOCIOLOGY

Credits: 3

Exclusions:

Unavailable to students with credit for AN/S1200.

This course will introduce students to the key concepts, theoretical perspectives and methodologies of Sociology.

SOCO2300

SOCIOLOGY OF THE FAMILY

Credits: 6

Prerequisite:

6 credits introductory Anthropology and/or Sociology.

Exclusions:

Unavailable to students with credit for SOCO210.

The study of family roles, forms, processes and functions, from the perspectives of household, community and the larger social system, with special attention to our own contemporary society and its key problems.

SOCO2301

CANADIAN SOCIETY I

Credits: 3

Prerequisite:

6 credits introductory Anthropology and/or Sociology.

Exclusions:

Unavailable to students with credit for SOCO281 or SOCO381.

Key contemporary issues in Canada and their historical socio-cultural roots, focusing on social, economic and political systems, including economic crisis, regionalism, labour, ethnicity, gender and political debates grounded in these concerns.

SOCO2302

SOCIOLOGY OF DEVIANCE

Credits: 6

Prerequisite:

6 credits introductory Anthropology and/or Sociology.

Exclusions:

Unavailable to students with credit for SOCO246 or SOCO340

Critical and comparative examination of theories and studies on processes that place individuals or groups out of step with societal rules and study of consequences both for deviants and for society.

SOCO2303

CANADIAN SOCIETY II

Credits: 3

Prerequisite:

6 credits introductory Anthropology and/or Sociology; plus either SOCO2301 or permission of instructor.

Exclusions:

Unavailable to students with credit for SOCO283 or SOCO383.

Continuation of SOCO2301, with special attention to case studies from the literature

SOCO2304

SOCIAL & POLITICAL CONTEXT OF EDUCATION

Credits: 3

Prerequisite:

6 credits introductory Anthropology and/or Sociology.

Exclusions:

Unavailable to students with credit for SOCO285.

An exploration of the social and political processes that produce education as a social institution. In particular, a focus on the history, development and ideologies associated with schooling in Canada

SOCO2306

INTRODUCTION TO SOCIOLOGY OF THE FAMILY

Credits: 3

Prerequisite:

SOCO1301 plus any 3 credits of AN/S, SOCO or ANTH for a total of 6 credits.

Exclusions:

Unavailable to students with credit for AN/S220 and SOCO210 and SOCO2300.

The study of family roles, forms, processes and functions, from the perspectives of household, community and the larger social system, with special attention to our own contemporary society and its key problems.

SOCO3300

SURVEY OF SOCIOLOGICAL THEORY

Credits: 6

Prerequisite:

12 credits in Anthropology and/or Sociology.

Exclusions:

Unavailable to students with credit for SOCO306 or SOCO230.

A critical study of key social concepts, major theoretical debates and leading social thinkers of the nineteenth and twentieth centuries.

SOCO3301

CAPE BRETON SOCIETY: SOCIAL-ECONOMIC FOUNDATIONS & CHANGE

Credits: 3

Prerequisite:

12 credits in Anthropology and/or Sociology.

Exclusions:

Unavailable to students with credit for SOCO351 or SOCO451.

Critical analysis of the shifting economic base, occupational structure, community formation and political culture of Cape Breton during the twentieth century.

SOCO3302

SOCIOLOGY OF RELIGION

Credits: 6

Prerequisite:

12 credits in Anthropology and/or Sociology.

Exclusions:

Unavailable to students having credit for SOCO393 or SOCO 390.

Theories and research studies of the socio-cultural determinants of religious forms and orientations, as well as the reciprocal impact of religion on socio-cultural commitments, action and institutional formations.

SOCO3303

CAPE BRETON SOCIETY TODAY

Credits: 3

Prerequisite:

SOCO3301; or permission of instructor.

Exclusions:

Unavailable to students with credit for SOCO353 or SOCO453.

Continuities and crises in contemporary Cape Breton society, in larger perspective, emphasizing the interplay between intimate processes of character, family, community and workplace.

SOCO3304

RELIGION, SCIENCE & SOCIETY

Credits: 3

Prerequisite:

12 credits in Anthropology and/or Sociology.

Exclusions:

Unavailable to students with credit for SOCO395.

Analysis of changing attitudes and perceptions about religion and science. Examining the structure and function, public perception and social construction of these two realms of knowledge.

SOCO3306

CONTEMPORARY ISSUES IN EDUCATION

Credits: 3

Prerequisite:

9 credits introductory Anthropology and/or Sociology 3 of which must be SOCO2304.

Exclusions:

Unavailable to students with credit for SOCO287.

A critical exploration of issues of diversity, privilege and marginalization in relation to curriculum and education as social institutions. May include discussions of critical pedagogy, multiculturalism, humane education, Afro-centric and/or Aboriginal-centred curricula.

SOCO3307

CRIMINOLOGY

Credits: 3

Prerequisite:

12 credits Anthropology and/or Sociology.

This course will introduce students to various sociological understand of criminalized behaviour. How do particular actions become criminalized? What social economic and cultural conditions increase or decrease crime rates? What are the most and least effective responses to crime?

SOCO3800

DIRECTED INDEPENDENT STUDY: SOCIOLOGY

Credits: 3

Prerequisite:

Prerequisites: 12 credits in Anthropology and/or Sociology.

Requires a special arrangement between an individual student and professor, endorsed by

the Dean, to cover a topic unavailable in the regular offerings, at a third-year level. (See also the 3-credit versions, 3801 and 3803; compare the senior versions, 4801 and 4811/4813.) Intended only for a highly motivated student who has a special interest and who achieves goals without close supervision. A student needing an unscheduled course and who also needs more structure and direction should choose instead to arrange a tutorial in a course listed in the calendar. A student may take several courses as Directed Study in Anthropology and/or Sociology, to a maximum of 18 credits.

SOCO3801

DIRECTED INDEPENDENT STUDY: SOCIOLOGY

Credits: 3

Prerequisite:

12 credits in Anthropology and/or Sociology.

Requires a special arrangement between an individual student and professor, endorsed by the Dean, to cover a topic unavailable in the regular offerings, at a third-year level. (See also the 6-credit version, 3800; compare the senior versions, 4801 and 4811/4813.) Intended only for a highly motivated student who has a special interest and who achieves goals without close supervision. A student needing an unscheduled course and who also needs more structure and direction should choose instead to arrange a tutorial in a course listed in the calendar. A student may take several courses as Directed Study in Anthropology and/or Sociology, to a maximum of 18 credits.

SOCO3803

DIRECTED INDEPENDENT STUDY: SOCIOLOGY

Credits: 3

Prerequisite:

12 credits in Anthropology and/or Sociology.

Requires a special arrangement between an individual student and professor, endorsed by the Dean, to cover a topic unavailable in the regular offerings, at a third-year level. (See also the 6-credit version, 3800; compare the senior versions, 4801 and 4811/4813.) Intended only for a highly motivated student who has a special interest and who achieves goals without close supervision. A student needing an unscheduled course and who also needs more structure and direction should choose instead to arrange a tutorial in a course listed in the calendar. A student may take several courses as Directed Study in Anthropology and/or Sociology, to a maximum of 18 credits.

SOCO4300

CLASSICAL THEORY IN SOCIOLOGY

Credits: 6

Prerequisite:

18 credits in Anthropology and/or Sociology, including ANTH3100 or SOCO3300 (or SOCO230 or SOCO232).

Exclusions:

Unavailable to students with credit for ANTH or AN/S or SOCO440.

Each of the above three choices satisfies the four year major BA core requirement for Senior Seminar or a 4000 level Directed Study (6 credits). A seminar on major conceptual frameworks, debates, and figures in anthropological and/or sociological theory, from the mid-nineteenth to the mid-twentieth century.

SOCO4302

CONTEMPORARY SOCIOLOGICAL THEORY

Credits: 6

Prerequisite:

18 credits in Anthropology and/or Sociology, including ANTH3100 or SOCO3300 (or SOCO230 or SOCO232).

Exclusions:

Unavailable to students with credit for ANTH or AN/S or SOCO470.

Each of the above three choices satisfies the 4-year major BA core requirement for Senior Seminar or a 4000 level Directed Study (6 credits). A seminar on major conceptual frameworks, debates, and figures in anthropological and/or sociological theory, from the mid-twentieth century to the present.

SOCO4733

SPECIAL TOPICS IN SOCIOLOGY

Credits: 3

SOCO4801

DIRECTED INDEPENDENT STUDY: SOCIOLOGY

Credits: 3

Prerequisite:

18 credits with 60% average in Anthropology and/or Sociology, including 6 credits above the 2000 level. Can be credited toward four year major BA core requirement for Thesis/Directed Study (6 credits).

Requires a special arrangement between an individual student and professor, endorsed by the Dean, to cover a topic unavailable in the regular offerings, at a fourth-year level. (See

also third-year versions, 3800 and 3801/3803.) A student seeking a more extended, project-focused senior experience should choose the 4811/4813 combination or 4900, but can take one or more 4801 courses for additional topics. AN/S, ANTH, SOCO 4801 is intended only for a highly motivated student who has a special interest and who gets things done without being closely supervised. A student needing an unscheduled course and who also needs more structure and direction should choose instead to arrange a tutorial in a course listed in the calendar. A student may take several courses as Directed Study in Anthropology and/or Sociology, to a maximum of 18 credits. Can be credited toward four year major BA core requirement for Thesis/Directed Study (6 credits).

SOCO4811

DIRECTED INDEPENDENT PROJECT PROPOSAL: SOCIOLOGY, SENIOR LEVEL

Credits: 3

Prerequisite:

18 credits with 65% average in Anthropology and/or Sociology, including 6 credits above 2000 level and 6 credits in research methods (AN/S2210 or 2212); plus a one-page statement of objectives and an idea for a potential project and/or consultation with the professor before registration

Satisfies the Group 6 requirement for a Directed Study in the four year major BA core. The AN/S4811 and AN/S4813 together replace the old AN/S498. AN/S, ANTH, SOCO4811 is intended only for a senior student, concentrating in the discipline, who is planning also to complete 4813. The 4811/4813 combination is project-focused, as an alternative to the more rigorous 4900 thesis course. The 4811 includes development of a topic, literature search and submission of a project proposal. In some years the course may be provided as a tutorial, which requires a special arrangement between an individual student and professor, endorsed by the Dean. Alternatively, the course may be offered as a seminar scheduled by the department in conjunction with its regular course offerings in other years. (See also the third-year counterparts, 3800 and 3811/3813. For a 3-credit alternative to the project-focused 4811/4813, see 4801.) AN/S, ANTH, SOCO4811/4813 are intended only for a highly motivated student who has a special interest and who gets things done without being closely supervised. A student needing an unscheduled course and who also needs more structure and direction should choose instead to arrange a tutorial in a course listed in the calendar. A student may take several courses as Directed Study in Anthropology and/or Sociology, to a maximum of 18 credits.

SOCO4813

DIRECTED INDEPENDENT PROJECT IMPLEMENTATION: SOCIOLOGY, SENIOR LEVEL

Credits: 3

Prerequisite:

AN/S or ANTH or SOCO4811

In 4813 the student carries to completion the project developed in 4811. In some years, the course may be provided as a tutorial, which requires a special arrangement between an individual student and professor, endorsed by the Dean. Alternatively, the course may be offered as a seminar scheduled by the department in conjunction with its regular course offerings in other years. Can be credited towards the four year major BA core requirement for Thesis/Directed Study (6 credits).

SOCO4900

HONOURS THESIS, SOCIOLOGY

Credits: 6

Prerequisite:

24 credits with 75% average in Anthropology and/or Sociology, including 6 credits in research methods (AN/S2210 or 2212) and/or in theory (ANTH3100 or SOCO3300); plus a one-page statement of motives and aims in taking the course and/or consultation with the professor before registration

Satisfies Group 6 of the four year major BA core. Required for Honours. AN/S, ANTH, SOCO4900 is intended for high ability senior students specializing in Anthropology and/or Sociology, especially those who hope to prepare for admission to a Master's program. It is an individualized project, culminating in a formal thesis. In some years the course may be provided as a tutorial, which requires a special arrangement between an individual student and professor, endorsed by the Dean. Alternatively, the course may be offered as a seminar scheduled by the department in conjunction with its regular course offerings in other years. Students seeking a similar but somewhat less demanding experience should consider 4811 and 4813.

SOSV2103

INTRO TO SOCIAL SERVICES

Credits: 3

SPAL1001

UNSPECIFIED SPORT AND LIFESTYLE

Credits: 3

SPAL1003

UNSPECIFIED SPORT AND LIFESTYLE

Credits: 3

SPAL1104

PHYSICAL ACTIVITY & SPORT PRACTICE

Credits: 3

Exclusions:

SPHK1104, SPHK1100, SPHK100

This course focuses on knowledge, theory, and application related to physical activity and sport. It provides training and practice in movement skills to work with children in developing physical literacy.

SPAL1105

THEORIES & CONCEPTS IN PHYSICAL ACTIVITY & SPORT

Credits: 3

Exclusions:

SPHK1105, SPHK1100

This course focuses on human movement examined from various perspectives, including anatomy, physiology, nutrition, energy systems, and sport psychology.

SPAL2001

UNSPECIFIED SPORT AND LIFESTYLE

Credits: 3

SPAL2003

UNSPECIFIED SPORT AND LIFESTYLE

Credits: 3

SPAL2103

SPORT SKILLS & LEADERSHIP

Credits: 3

Prerequisite:

SPAL1104/1105

Exclusions:

SPHK2103

This course focuses on the acquisition of basic skills and development of theoretical knowledge fundamental to one individual sport and one team sport. This is an activity course primarily in the gym using hands-on experiential learning.

SPAL2104

OUTDOOR SKILLS & LEADERSHIP

Credits: 3

Prerequisite:

SPAL1104/1105

Exclusions:

SPHK2104,SPHIK133

This course utilizes the outdoors as a valuable location for sport and physical activity. It includes skills in planning and managing outdoor activities, risk management, group dynamics, leadership styles, and environmental ethics.

SPAL2105

EXERCISE & PERSONAL FITNESS

Credits: 3

Prerequisite:

SPAL1104/1105

Exclusions:

SPHK2015,SPHK377,SPHK3105

This course will cover the basic concepts related to exercise, fitness and health. Emphasis is on personal health habits and attitudes as they influence chronic diseases and conditions. The class will include personal hands-on experience with labs designed to challenge and stimulate.

SPAL2106

INTRODUCING DANCE

Credits: 3

Cross-listed with MUSI2106 This course introduces students to basic dance literacy related to a wide variety of traditional, art and popular genres both local and global. We view dance on film and video, read about dance as art and culture, make movement studies and practice basic dance skills, as well as write about bodies in motion. Attention will also be paid to the

relationship between dance and music. This course involves classroom-based learning, including movement and dance activity. It integrates the principles of experiential learning, and incorporates leadership development. No prior dance experience is necessary.

SPAL2107

INTRODUCTION TO SPORT NUTRITION

Credits: 3

Exclusions:

SPHK2107

The six nutrient classes and their basic metabolism in healthy individuals are reviewed. These six nutrient classes and their metabolism are then explained in terms of training, competition and post-competition nutrition for maximizing performance in specific sports covering the aerobic, anaerobic and interval spectrum (e.g. marathon running, sprinting, basketball, soccer, hockey). The interaction of diet and genetics in sports will be discussed. Finally, sources of information on sport nutrition will be noted and assessed for their reliability.

SPAL2108

PHYSICAL ACTIVITY SKILLS & LEADERSHIP

Credits: 3

Prerequisite:

SPAL1104/1105

Exclusions:

SPHK2108

This course focuses on the development of practical and theoretical knowledge fundamental to resistant/weight training and cardiovascular training with individuals and groups. This is an activity course primarily in the gym and fitness centre using hands-on experiential learning.

SPAL2109

SPORT & RECREATION IN THE CANADIAN CONTEXT

Credits: 3

Exclusions:

SPHK2109, SPHK2100, SPHK200

This course will examine the delivery of sport and recreation locally, regionally, nationally and globally. It will focus on the structures, systems and organizations that deliver sport and recreational programming historically and currently.

SPAL2111

SPORT & RECREATION MANAGEMENT

Credits: 3

Prerequisite:

SPAL1104/1105

Exclusions:

SPHK2111, SPHK2100, SPHK200

This course will focus on organization and administrative principles as they apply to sport and physical activity. Management and leadership concepts will be examined in commercial, industrial, educational and public sector settings.

SPAL2208

PHILOSOPHY, ETHICS & SPORT

Credits: 3

Exclusions:

SPHK2208

How might sport contribute to our flourishing as moral persons? This course addresses sport from philosophical and moral perspectives to enrich our understanding of sport from the perspective of practitioners, coaches, referees, and marketers of sport.

SPAL2603

THE LITERATURE OF SPORT

Credits: 0

Exclusions:

SPHK2603

Note:

Added August 24, 2016

Crosslisted with ENGL2603 The way sports have been understood and represented in various forms of literature.

SPAL3001

UNSPECIFIED SPORT & ACTIVITY LEADERSHIP

Credits: 3

SPAL3101

FACILITIES DESIGN & MANAGEMENT

Credits: 3

Prerequisite:

SPAL1104/1105

Exclusions:

SPHK3101, SPHK311

This course examines in detail the essential components of sport facility and sight design. There is also an examination of the management within the sport and recreation industry. Both indoor and outdoor facilities are examined with attention directed at topics such as accessibility, environmental stewardship, site development, facility maintenance, public safety and security.

SPAL3103

PUBLIC RELATIONS IN SPORT & RECREATION

Credits: 3

Prerequisite:

SPAL2109

Exclusions:

SPHK3103, SPHK313

Note:

Added August 24, 2016

An examination of public relations in the field of professional and amateur sport and the unique relations between sport, media and the stakeholders they serve. Topics covered include the development of a public relations campaign, crisis management, media relations through traditional and social media, social responsibility and integrating public relations into

SPAL3104

PRINCIPLES OF COACHING

Credits: 3

Prerequisite:

SPAL1104/1105

Exclusions:

SPHK3104,SPHK375

Principles and methods of effective sport coaching from theoretical and practical perspectives, including an understanding of leadership and the role of the coach; ethical conduct; risk assessment; concepts related to practice; professional development and research in coaching.

SPAL3106

ADVENTURE PROGRAMMING

Credits: 3

Prerequisite:

SPAL1104/1105

Exclusions:

SPHK3106,SPHK233,SPHK2101

This course teaches students how to plan, implement and evaluate outdoor and adventure-based learning programs. It explores the historical, theoretical, and practical foundations of adventure as well as outdoor, ecological, and experiential education (OE3). It focuses on conventional and innovative applications and models of these techniques and philosophies for learning.

SPAL3107

PREVENTION AND CARE OF ATHLETIC INJURIES

Credits: 3

Prerequisite:

SPAL1104/1105

This course includes an analysis of selected athletic injuries including safety, prevention, causes, evaluation and care. Classes involve experiential learning with hands on prevention

and treatment demonstration and practice. Students who plan to enter a professional program such as physiotherapy should take the biology prerequisites.

SPAL3108

COMMUNITY HEALTH & PHYSICAL ACTIVITY PROMOTION

Credits: 3

Prerequisite:

SPAL2103

Exclusions:

SPHK3108

This course examines the current perspectives and strategies of health promotion and health education. The course will focus on the encouragement of physical activity and related lifestyle behaviours in a community setting.

SPAL3109

APPLIED SPORT & EXERCISE PSYCHOLOGY

Credits: 3

Prerequisite:

SPAL1104/1105

Exclusions:

SPHK3109, PSYC484

Cross-listed with PSYC3109 Explores the concepts and modern theories of sport and exercise psychology. Students learn relevant psychological skills with emphasis placed on developing and applying positive strategies and perspectives that enhance quality and consistency of performance in the sport and exercise context.

SPAL3111

PLACE-RESPONSIVE EXPERIENTIAL LEARNING: THEORY TO PRACTICE

Credits: 3

Prerequisite:

45 credits completed and permission of the instructor

Note:

Changes made to include"... students may need to meet additional expectations...." Dawn White, March 8, 2017 Reviewed June 16, 2017 SML

This field course will explore the ways in which we respond to the places we choose to visit. It will further develop the students' comfort with experiential learning and connect them to the narratives, communities and contexts that develop in a place – beyond what they read in a book. This course may take place in Cape Breton or further afield. Students may need to meet additional expectations, such as: paying additional fees, undertaking travel (locally or internationally), and participating in strenuous outdoor activity. The instructor will provide more details prior to registration.

SPAL3700

SPECIAL TOPICS IN SPORTS & HUMAN KINETICS

Credits: 6

Topics will change according to student and faculty interests.

SPAL3701

SPECIAL TOPICS IN SPORT & PHYSICAL ACTIVITY & LEADERSHIP

Credits: 3

SPAL4101

CRITICAL APPROACHES TO OUTDOOR STUDIES

Credits: 3

Prerequisite:

SPAL3106

Note:

Reviewed June 16, 2017 SML

This course will draw together the various strands and approaches to outdoor studies. It will make connections among the key theoretical and practical threads, which include theories from education, leisure, and adventure, as well as practice. This course will encourage student to compile their learning throughout the SPAL Outdoor Leadership area of focus, as well as push their thinking to future issues and approaches.

SPAL4103

ADVANCED COACHING

Credits: 3

Prerequisite:

SPAL3104

Note:

Reviewed June 16/17 SML

An in-depth analysis of modern day coaching/training practices and their effect on individual athletes and team performance. National Coaching Certification Program (NCCP) competition-development modules included.

SPAL4104

POLITICAL ECONOMY OF SPORT & PHYSICAL ACTIVITY

Credits: 3

Note:

Reviewed June 16, 2017 SML

This course focuses on principles of political economy of sport and physical activity. Economic impact, public and private financing of amateur sport. Study of professional sport and the sport industrial cluster. Introduction to political dimensions of sport and physical activity. Study of roles and motives for state intervention. Sport and physical activity policies in Canada.

SPAL4107

INDIGENOUS PERSPECTIVES OF HEALTH & HEALING

Credits: 3

CROSS-LISTED WITH NURS4107 and MIKM4107 Indigenous peoples often experience greater health challenges and increased health disparities than non-Indigenous populations globally. Finding ways to enhance and expand the health and well-being of Indigenous populations through culturally-sensitive, culturally-appropriate, and culturally-safe healthcare should be a priority for those working in the healthcare sectors. This course will examine understandings of health and healing from a variety of Indigenous perspectives, with a specific focus on the Mi'kmaq of Cape Breton, in order to increase cultural awareness of how different Indigenous cultures understand and conceptualize wellness. This course will be framed around experiential hands-on learning opportunities, and will have a strong presence of guest speakers from various Indigenous perspectives and various health professionals. Planned activities are cultural talking circles, medicine walks, sweat lodges, Elder teachings, and tours of Mi'kmaq health centres on Cape Breton Island.

SPAL4701

SPECIAL TOPICS IN SPORT & LIFESTYLE

Credits: 3

Topics will change according to student and faculty interests.

SPAL4703

SPECIAL TOPICS IN SPORT & LIFESTYLE

Credits: 3

SPAL4900

HONOURS THESIS IN SPORT & LIFESTYLE

Credits: 6

Note:

Reviewed June 16, 2017 SML

A course in which the student undertakes a research project, working directly with a supervisor.

SPAN1100

INTRODUCTION TO SPANISH

Credits: 6

Exclusions:

Unavailable to students with credit for SPAN100.

This course is designed for students with limited or no knowledge of the Spanish language. It covers the essentials of grammar and vocabulary, expression and comprehension, in basic language structures leading to an effective communication in both oral and written forms.

SPAN2100

INTERMEDIATE SPANISH

Credits: 6

Prerequisite:

SPAN1100

Exclusions:

Unavailable to students with credit for SPAN200.

This course is a comprehensive review of grammar, comprehension , and expression in oral and written form. Advanced grammar, conversation and composition, introduction to literature and assignments.

SPHK1104

PHYSICAL ACTIVITY & SPORT PRACTICE

Credits: 3

Exclusions:

Unavailable to students with credit for SPHK100 or SPHK1100

This course considers knowledge, theory, and application related to physical activity and sport. It includes a review of human kinetics-based career options and provides training and practice in movement skills for students to work with children in developing physical literacy.

SPHK1105

THEORIES & CONCEPTS IN PHYSICAL ACTIVITY & SPORT

Credits: 3

Exclusions:

Unavailable to students with credit for SPHK100 or SPHK1100

This course considers knowledge, theory, and application related to physical activity and sport. Human movement is examined from various perspectives, including anatomy, physiology, nutrition, energy systems, and sport psychology

SPHK1701

SPECIAL TOPICS IN SPORTS & HUMAN KINETICS

Credits: 3

SPHK2103

SPORT SKILLS & LEADERSHIP

Credits: 3

Prerequisite:

SPHK1100

This course will focus on the acquisition of basic skills and development of theoretical knowledge fundamental to one individual sport and one team sport. This is an activity course primarily in the gym using hands-on experiential learning.

SPHK2104

OUTDOOR SKILLS & LEADERSHIP

Credits: 3

Prerequisite:

SPHK1100

Exclusions:

Unavailable to students with credit for SPHK133.

This course utilizes outdoor experiences and examines the meaning, scope and values of outdoor leadership. Emphasis is given to historical and philosophical foundations and the application of instructional procedures for providing appropriate leadership. Significant trends and existing outdoor programs are explored

SPHK2105

EXERCISE AND PERSONAL FITNESS

Credits: 3

Prerequisite:

SPHK1100

Exclusions:

Unavailable to students with credit for SPHK377 or SPHK3105.

The course explores physical fitness and wellness models, strategies, interventions, and policies. Topics include the principles of exercise prescription for cardiovascular fitness, muscular fitness, body composition and performance. Emphasis is placed on personal health, nutrition, stress, behaviour change strategies, and motivational techniques.

SPHK2107

INTRODUCTION TO SPORT NUTRITION

Credits: 3

Prerequisite:

SPHK100/1100 or permission of instructor.

Cross-listed with NUTR2107 The six nutrient classes and their basic metabolism in healthy individuals are reviewed. These six nutrient classes and their metabolism are then explained in terms of training, competition and post-competition nutrition for maximising performance in specific sports covering the aerobic, anaerobic and interval spectrum (e.g. marathon running, sprinting, basketball, soccer, hockey). The interaction of diet and genetics in sports will be discussed. Finally, sources of information on sport nutrition will be noted and assessed for their reliability.

SPHK2108

PHYSICAL ACTIVITY SKILLS & LEADERSHIP

Credits: 3

Prerequisite:

SPHK100/1100 or permission of instructor.

This course focuses on the development of practical and theoretical knowledge fundamental to resistance/weight training and cardiovascular training with individuals and groups. This is an activity course primarily in the gym and fitness centre using hands-on experiential learning.

SPHK2109

SPORT & RECREATION IN THE CANADIAN CONTEXT

Credits: 3

Prerequisite:

SPHK1100 or SPHK1104 and SPHK1105

Exclusions:

Unavailable to students with credit for SPHK200 or SPHK2100

This course will examine the delivery of sport and recreation locally, regionally, nationally and globally. It will focus on the structures, systems and organizations that deliver sport and recreational programming historically and currently.

SPHK2111

SPORT & RECREATION MANAGEMENT

Credits: 3

Prerequisite:

SPHK1100 or SPHK1104 and SPHK1105

Exclusions:

Unavailable to students with credit for SPHK200 or SPHK2100

This course will focus on organization and administrative principles as they apply to sport and physical activity. Management and leadership concepts will be examined in commercial, industrial, educational and public sector settings.

SPHK2208

PHILOSOPHY, ETHICS & SPORT

Credits: 3

Cross-listed with PHIL2208 This course addresses sport from philosophical and moral perspectives to enrich our understanding of sport from the perspectives of practitioners, coaches, referees, and marketers of sport.

SPHK2603

THE LITERATURE OF SPORT

Credits: 3

Prerequisite:

ENGL1600 or 6 credits from ENGL1104, 1106, 1107, 1108, 1109 or SPHK 1100

Cross-listed with ENGL2603 A consideration of the way sports have been understood and represented in various forms of literature.

SPHK3101

FACILITIES DESIGN AND MANAGEMENT

Credits: 3

Prerequisite:

SPHK1100

Exclusions:

Unavailable to students with credit for SPHK311.

The design and management of human kinetics sports/recreation facilities.

SPHK3103

PUBLIC RELATIONS IN SPORT & RECREATION

Credits: 3

Prerequisite:

SPHK1100

Exclusions:

Unavailable to students with credit for SPHK313.

An examination of public relations in professional and amateur sport and the unique relations between sport, media and the stakeholders they serve. Topics include the development of a public relations campaign, crisis management, media relations through traditional and social media, social responsibility of the athletes/organizations and integrating public relations into strategic management for recreation and sport organizations.

SPHK3104

ADVANCED COACHING

Credits: 3

Prerequisite:

SPHK1100

Exclusions:

Unavailable to students with credit for SPHK375.

An in-depth analysis of modern day coaching/training practices and their effect on individual athletes and team performance.

SPHK3106

ADVENTURE PROGRAMMING & OUTDOOR RECREATION

Credits: 3

Prerequisite:

SPHK1100 and SPHK2104.

Exclusions:

Unavailable to students with credit for SPHK233 or SPHK2101.

This course teaches students how to plan, implement and evaluate outdoor and adventure-based learning programs. It explores the historical, theoretical, and practical foundations of adventure as well as outdoor, ecological, and experiential education. It focuses on conventional and innovative applications and models of these pedagogies

SPHK3107

PREVENTION AND CARE OF ATHLETIC INJURIES

Credits: 3

Prerequisite:

SPHK1100 or SPHK1104/1105 or PUBH2104 Anatomy & Physiology or BIOL2203 Human Anatomy and BIOL3203 Human Physiology.

This course includes an analysis of selected athletic injuries including safety, prevention, causes, evaluation and care. Classes involve experiential learning with hands on prevention and treatment demonstration and practice. Students who plan to enter a professional program such as physiotherapy are encouraged to take the biology prerequisites. Students should consult a Community Studies advisor.

SPHK3108

COMMUNITY HEALTH & PHYSICAL ACTIVITY PROMOTION

Credits: 3

Prerequisite:

SPHK1100 and SPHK2105.

This course examines the current perspectives and strategies of health promotion and health education. The course will focus on the encouragement of physical activity and related lifestyle behaviours in a community setting.

SPHK3109

APPLIED SPORT & EXERCISE PSYCHOLOGY

Credits: 3

Prerequisite:

SPHK1100 or PSYC1101 and PSYC1103

Exclusions:

PSYC484, SPHK3109

This course explores the concepts and modern theories of sport and exercise psychology. Students learn relevant psychology skills with emphasis placed on developing and applying positive strategies and perspectives that enhance quality and consistency of performance in the sport and exercise context.

SSTC1989

BSC CO-OP WORK TERM I

Credits: 3

Prerequisite:

24 credits

Exclusions:

No more than 6 credits of SSTC may be used in a BSc

Work Term 1 requires 525 hours (15 weeks) of paid employment with a minimum of 35 hours per week with an organization approved by the appropriate Departmental Chair. Exceptions to weeks of employment or minimum number of hours have to be approved by the Dean's office.

SSTC2989

BSC CO-OP WORK TERM II

Credits: 3

Prerequisite:

At least four academic terms and 48 credits

Exclusions:

No more than 6 credits of SSTC may be used in a BSc

Work Term II requires 525 hours (15 weeks) of paid employment with a minimum of 35 hours per week with an organization approved by the appropriate Departmental Chair. Exceptions to weeks of employment or minimum number of hours have to be approved by the Dean's office.

SSTC3989

BSC CO-OP WORK TERM III

Credits: 3

Prerequisite:

At least six academic terms and 72 credits including SSTC1989 or SSTC2989.

Exclusions:

No more than 6 credits of SSTC may be used in a BSc

Work Term III requires 525 hours (15 weeks) of paid employment with a minimum of 35 hours per week with an organization approved by the appropriate Departmental Chair. Exceptions to weeks of employment or minimum number of hours have to be approved by the Dean's office

End of Academic Calendar